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APPENDIX A. BACKGROUND INFORMATION ON THE FOOD AND WATER CONSUMPTION DATAUSED IN SHEDS DIETARY

Table A-1: An Example CSFII Food Diary (CSFII ID=28517-2-2: 1 yr, M, 13.6 kg)

SEQN	Time of Day	Food Description	Amount (unit code)	Consumption (gm)	Food Source /1
1	7:00 AM	Milk, cow's, fluid, whole	6 fl.oz (10205)	183	Store
2	10:15 AM	Egg, whole, fried W/ LARD	2 XX (60919)	92	Store
3		White potato, home fries W/ LARD	2 C (10205)	388	Store
4	6:00 PM	Chicken, drumstick, with or without bone, roasted, skin eaten	1 XX (61343)	52	Store
5		White potato, home fries W/ LARD	2 C (10205)	388	Store
6	8:00 PM	Milk, cow's, fluid, whole	6 fl.oz (10205)	183	Store

/1 The Food Source variable is based on the question, 'Where was the food item obtained?' (1=store, etc.).

Table A-1 presents a food diary for CSFII diary, 28517-2-2: day '2' intake for a 1 year old male, weighing 13.6 kg. This individual reportedly consumed 6 fluid ounces (183 grams) of milk at 7:00 am, 2 servings (92 grams) of 'Egg, whole, fried w/Lard' and 2 cups (288 grams) of 'white potato, home fries w/Lard' at 10:15 am, one serving (52 grams) of 'Chicken drumstick' and 2 more cups (288 grams) of 'home fries' at 6:00 pm, and 6 fluid ounces (183 grams) of milk at 8:00 pm.[1 4] This particular child's Day 1 intake did not include 'home fries', but did include the following: 183 grams of whole milk at 3:00 am, 80 grams of eggs at 9:00 am, 280 grams of spaghetti and 180 grams of Fruit drink at 5:00 pm, and 183 grams of whole milk at 9:00 pm.

Water may be consumed either **directly** or **indirectly** through consumption from foods (e.g., infant formula, 'kool aid', coffee, tea, etc.). Total drinking water intake can also be decomposed by primary source (tap, bottled, other, miscellaneous).[2] Table A-2 presents the average drinking water intake, by age group and source. This table indicates that adults (20+ yrs old) tend to consume a greater (absolute) amount of water (~1500 mL/day) than children, but infants have the highest drinking water intake per kilogram bodyweight (65.4 mL/kg bwt/day).

Table A-2: Mean Per Capita Intake of Drinking Water, by Age Group and Source

[2] The SAIC report details the method for assigning direct and indirect drinking water, by source. Indirect 'water' does not include consumption of 'water' in manufactured Beverages (e.g., soda pop, beer, etc.), or water content of foods (e.g., watermelon). Similarly, milk-water also is not indirect drinking water. There was no indirect drinking water intake in the food diary presented above (CSFII ID=28517-2-2). The SAIC report is available in the US EPA (2000) FCID CD ROM, most recent version, 3-8-2004.

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	All Infants <1 yr	Children 1-2 yrs old	Children 3-5 yrs old	Children 6-12 yrs old	Youth 13-19 yrs old	Adults 20-49 yrs old	Adults 50+ yrs old
# Diaries (N)	**2,972**	**4,192**	**8,782**	**4,178**	**2,444**	**9,354**	**9,292**
	Mean Total Drinking Water Consumption (mL/Day)						
	488	**397**	**514**	**647**	**948**	**1,436**	**1,504**
	Mean Total Drinking Water Consumption (mL/kg bwt/Day)						
	65.4	**29.6**	**27.2**	**18.9**	**15.0**	**19.3**	**20.2**
Source	**Mean Direct DW Consumption (mL/kg bwt/Day)**						
Total Direct DW	**8.6**	**17.6**	**18.7**	**13.4**	**10.9**	**11.0**	**10.8**
Tap water	4.8	12.1	13.0	9.8	7.7	7.5	7.7
Bottled water	2.9	3.7	3.9	2.0	1.8	2.4	1.6
Other	0.8	1.6	1.5	1.3	1.0	0.8	1.3
Miscellaneous	0.1	0.2	0.3	0.2	0.3	0.2	0.2
Source	**Mean Indirect DW Consumption (mL/kg bwt/Day)**						
Total Direct DW	**56.8**	**12.0**	**8.5**	**5.5**	**4.1**	**8.3**	**9.4**
Tap water	39.1	9.9	7.3	4.4	3.5	6.8	7.7
Bottled water	13.0	1.2	0.5	0.3	0.2	0.5	0.5
Other	4.6	0.8	0.7	0.7	0.4	0.9	1.2
Miscellaneous	0.16	0.14	0.04	0.02	0.03	0.04	0.10

The CSFII-FCID data also indicates that there is a considerable amount of variation in drinking water intake within any age group. Figures A-3a to A-3c present three different scatter plots of drinking water consumption, for infants, children ages 1-2 yrs old, and adults 20-49 yrs old, respectively. These plots present 3 values for each food diary: (1) total water consumption (black dot), (2) total direct water consumption (pink dot), and (3) total indirect water consumption (yellow dot). Figure 1a illustrates that infants generally obtain most of their total intake from indirect drinking water (yellow). An inspection of the data reveals that most of this indirect water consumption is through infant formula. For children 1-2 yrs old, direct drinking water (pink) becomes relatively more significant to total water intake. For adults ages 20-49 yrs old, direct drinking water (pink) is the primary source of total daily intake for most individuals. In all cases, there are some exceptions to this general observation. A review of the CSFII data will indicate that some 1-2 yr olds consume large amounts of indirect water ('kool-aid kids'), as do a number of adults ('coffee club').

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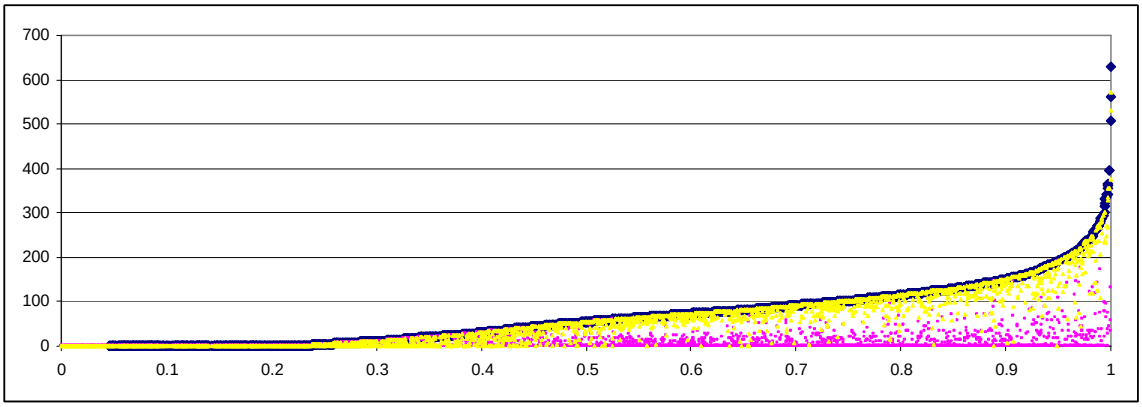

Figure A-3a: Drinking Water Intake, By Source (Total, Direct, Indirect): All Infants (N=2970)

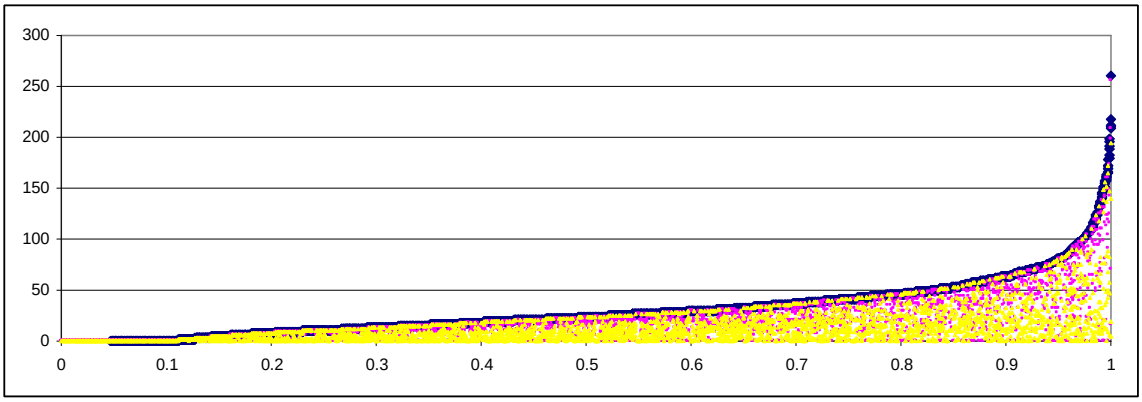

Figure A-3b: Drinking Water Intake, By Source (Total, Direct, Indirect) Children 1-2 yrs old (N=4192)

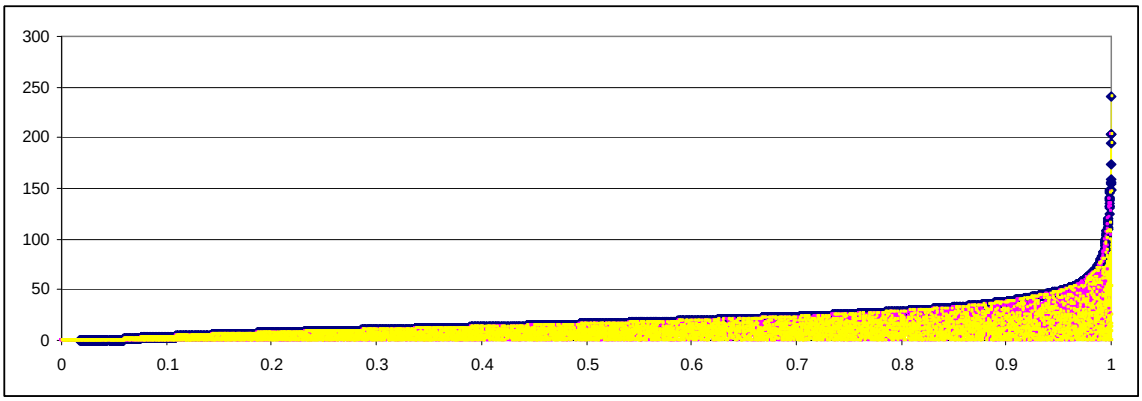

Figure A-3c: Drinking Water Intake, By Source (Total, Direct, Indirect): Adults 20-49 yrs old (N=9354)

Timing and Amounts of Direct Drinking Water Intake

As indicated above, the CSFII food diaries contain information on the time of day and corresponding amounts of indirect drinking water (e.g., infant formula, soups, coffee/tea, etc.). Therefore, this data supports the ability to conduct an eating occasion analyses of **indirect** drinking water consumption. For direct drinking water exposures, the CSFII simply asked the question: "*How many fluid ounces of plain drinking water did you consume yesterday?*" The

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respondents provided an estimate of their total direct drinking water intake, but were not asked to estimate when and how much water was consumed throughout the day.

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APPENDIX B. BACKGROUND INFORMATION ON THE WATER CONCENTRATION DATA USED IN SHEDS-DIETARY

Table B-1 presents the format in which predicted drinking water concentration data are provided to the dietary risk assessors. The duration of the modeling period (30 years) is based on the availability of meteorological data for a particular location. For example, rainfall (and other meteorological) data from January 1st, 1960 through December 31st, 1990 may be available for a particular site in the Midwest. The environmental fate models predict drinking water concentrations based on that rainfall data; as well as other inputs (e.g., half-lives, soil types, and pesticide use - application method, rates and timing, etc.).

Table B-1: Array of Predicted Drinking Water Concentrations (ppb)

Location	Use (site)	Year	1-Jan	2-Jan	3-Jan	- - - -	30-Dec	31-Dec
Midwest-1	Corn	1960	xx	xx	xx	- - - -	xx	xx
Midwest	Corn	1961	xx	xx	xx	- - - -	xx	xx
Midwest	Corn	1962	xx	xx	xx	- - - -	xx	xx
||	||	||	||	||	||	- - - - -	||	||
Midwest	Corn	1989	xx	xx	xx	- - - -	xx	xx
Midwest	Corn	1990	xx	xx	xx	- - - -	xx	xx

Note two practices in the Agency's drinking water risk assessments: First, all (**total**) drinking water consumed (this includes both direct and indirect consumption, from all sources, tap, bottled, other and/or miscellaneous) are assumed to contain the same concentration level – i.e., only one concentration value is selected in the Monte-Carlo simulation. While the models may have the option of allowing different sources to have different concentrations, those options are **not used** in an Agency drinking water risk assessment. Second, indirect drinking water concentrations for any food (e.g., infant formula, coffee, tea, etc.) are **not** refined with any cooking processing factor. Again, while the aggregate exposure models may provide users with the option of making such refinements, the Agency has **not** utilized those options in its dietary risk assessments. Given these two practices, drinking water is conceptually similar to any other food consumed: one residue value is randomly selected and multiplied by total daily intake, or by intake at various occasions throughout the day.

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APPENDIX C. CSFII FOOD LIST IN RAC CODE ORDER

Acerola
Alfalfa, seed
Almond
Almond, oil
Almond, oil-babyfood
Almond-babyfood
Amaranth, grain
Amaranth, leafy
Apple, dried
Apple, dried-babyfood
Apple, fruit with peel
Apple, juice
Apple, juice-babyfood
Apple, peeled fruit
Apple, peeled fruit-babyfood
Apple, sauce
Apple, sauce-babyfood
Apricot
Apricot, dried
Apricot, juice
Apricot, juice-babyfood
Apricot-babyfood
Arrowroot, flour
Arrowroot, flour-babyfood
Artichoke, globe
Artichoke, Jerusalem
Arugula
Asparagus
Avocado
Balsam pear
Bamboo, shoots
Banana
Banana, dried
Banana, dried-babyfood
Banana-babyfood
Barley, bran
Barley, flour
Barley, flour-babyfood
Barley, pearled barley
Barley, pearled barley-babyfood
Basil, dried leaves
Basil, dried leaves-babyfood
Basil, fresh leaves
Basil, fresh leaves-babyfood
Bean, great northern, seed
Bean, black, seed
Bean, broad, seed
Bean, broad, succulent
Bean, cowpea, seed
Bean, cowpea, succulent
Bean, kidney, seed
Bean, lima, seed
Bean, lima, succulent
Bean, mung, seed
Bean, navy, seed
Bean, pink, seed
Bean, pinto, seed
Bean, snap, succulent
Bean, snap, succulent-babyfood
Beef, fat
Beef, fat-babyfood
Beef, kidney
Beef, liver
Beef, liver-babyfood
Beef, meat
Beef, meat byproducts
Beef, meat byproducts-babyfood
Beef, meat, dried
Beef, meat-babyfood
Beet, garden, roots
Beet, garden, roots-babyfood
Beet, garden, tops
Beet, sugar
Beet, sugar, molasses
Beet, sugar, molasses-babyfood
Beet, sugar-babyfood
Belgium endive
Blackberry
Blackberry, juice
Blackberry, juice-babyfood
Blueberry
Blueberry-babyfood
Boysenberry
Brazil nut
Breadfruit
Broccoli
Broccoli raab
Broccoli, Chinese
Broccoli-babyfood
Brussels sprouts
Buckwheat
Buckwheat, flour
Burdock
Butternut
Cabbage
Cabbage, Chinese, bok choy
Cabbage, Chinese, mustard
Cabbage, Chinese, napa
Cactus
Canistel
Cantaloupe
Cardoon
Carob
Carrot
Carrot, juice
Carrot-babyfood
Casaba
Cashew
Cassava
Cassava-babyfood
Cauliflower
Celeriac
Celery
Celery, juice
Celery-babyfood
Celtuce
Chayote, fruit
Cherimoya
Cherry
Cherry, juice
Cherry, juice-babyfood
Cherry-babyfood
Chestnut
Chicken, fat
Chicken, fat-babyfood
Chicken, liver
Chicken, meat
Chicken, meat byproducts
Chicken, meat byproducts-babyfood
Chicken, meat-babyfood
Chicken, skin
Chicken, skin-babyfood
Chickpea, flour
Chickpea, seed
Chickpea, seed-babyfood
Chicory, roots
Chicory, tops
Chinese waxgourd
Chive
Chrysanthemum, garland
Cinnamon
Cinnamon-babyfood
Citrus citron
Citrus hybrids
Citrus, oil
Cocoa bean, chocolate
Cocoa bean, powder
Coconut, dried
Coconut, meat
Coconut, meat-babyfood
Coconut, milk
Coconut, oil
Coconut, oil-babyfood
Coffee, instant
Coffee, roasted bean
Collards
Coriander, leaves
Coriander, leaves-babyfood
Coriander, seed
Coriander, seed-babyfood
Corn, field, bran
Corn, field, flour
Corn, field, flour-babyfood
Corn, field, meal
Corn, field, meal-babyfood
Corn, field, oil
Corn, field, oil-babyfood
Corn, field, starch
Corn, field, starch-babyfood
Corn, field, syrup
Corn, field, syrup-babyfood
Corn, pop
Corn, sweet
Corn, sweet-babyfood
Cottonseed, oil
Cottonseed, oil-babyfood
Crabapple
Cranberry
Cranberry, dried
Cranberry, juice

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Cranberry, juice-babyfood
Cranberry-babyfood
Cress, garden
Cress, upland
Cucumber
Currant
Currant, dried
Dandelion, leaves
Dasheen, corm
Dasheen, leaves
Date
Dewberry
Dill
Dill, seed
Egg, white
Egg, white (solids)-babyfood
Egg, whole
Egg, whole-babyfood
Egg, yolk
Egg, yolk-babyfood
Eggplant
Elderberry
Endive
Feijoa
Fennel, Florence
Fig
Fig, dried
Filbert
Filbert, oil
Fish-freshwater finfish
Fish-freshwater finfish, farm raised
Fish-saltwater finfish, other
Fish-saltwater finfish, tuna
Fish-shellfish, crustacean
Fish-shellfish, mollusc
Flaxseed, oil
Garlic
Garlic, dried
Garlic, dried-babyfood
Ginger
Ginger, dried
Ginger-babyfood
Ginseng, dried
Goat, fat
Goat, kidney
Goat, liver
Goat, meat
Goat, meat byproducts
Gooseberry
Grape
Grape, juice
Grape, juice-babyfood
Grape, leaves
Grape, raisin
Grape, wine and sherry
Grapefruit
Grapefruit, juice
Guar, seed
Guar, seed-babyfood
Guava
Guava-babyfood
Herbs, other
Herbs, other-babyfood
Hickory nut
Honey
Honey-babyfood
Honeydew melon
Hop
Horse, meat
Horseradish
Huckleberry
Jaboticaba
Jackfruit
Kale
Kiwifruit
Kohlrabi
Kumquat
Leek
Lemon
Lemon, juice
Lemon, juice-babyfood
Lemon, peel
Lemongrass
Lentil, seed
Lettuce, head
Lettuce, leaf
Lime
Lime, juice
Lime, juice-babyfood
Loganberry
Longan
Loquat
Lychee
Lychee, dried
Macadamia nut
Mamey apple
Mango
Mango, dried
Mango, juice
Mango, juice-babyfood
Mango-babyfood
Maple syrup
Maple, sugar
Marjoram
Marjoram-babyfood
Meat, game
Milk, fat
Milk, fat - baby food/infant formula
Milk, nonfat solids
Milk, nonfat solids-baby food/infant formula
Milk, sugar (lactose)-baby food/infant formula
Milk, water
Milk, water-babyfood/infant formula
Millet, grain
Mulberry
Mushroom
Mustard greens
Nectarine
Oat, bran
Oat, flour
Oat, flour-babyfood
Oat, groats/rolled oats
Oat, groats/rolled oats-babyfood
Okra
Olive
Olive, oil
Onion, dry bulb
Onion, dry bulb, dried
Onion, dry bulb, dried-babyfood
Onion, dry bulb-babyfood
Onion, green
Orange
Orange, juice
Orange, juice-babyfood
Orange, peel
Palm heart, leaves
Palm, oil
Palm, oil-babyfood
Papaya
Papaya, dried
Papaya, juice
Papaya-babyfood
Parsley, dried leaves
Parsley, dried leaves-babyfood
Parsley, leaves
Parsley, turnip rooted
Parsnip
Parsnip-babyfood
Passionfruit
Passionfruit, juice
Passionfruit, juice-babyfood
Passionfruit-babyfood
Pawpaw
Pea, dry
Pea, dry-babyfood
Pea, edible podded, succulent
Pea, pigeon, seed
Pea, pigeon, succulent
Pea, succulent
Pea, succulent-babyfood
Peach
Peach, dried
Peach, dried-babyfood
Peach, juice
Peach, juice-babyfood
Peach-babyfood
Peanut
Peanut, butter
Peanut, oil
Pear
Pear, dried
Pear, juice
Pear, juice-babyfood
Pear-babyfood
Pecan
Pepper, bell
Pepper, bell, dried
Pepper, bell, dried-babyfood
Pepper, bell-babyfood
Pepper, black and white
Pepper, black and white-babyfood
Pepper, nonbell
Pepper, nonbell, dried

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Pepper, nonbell-babyfood
Peppermint
Peppermint, oil
Persimmon
Pine nut
Pineapple
Pineapple, dried
Pineapple, juice
Pineapple, juice-babyfood
Pineapple-babyfood
Pistachio
Plantain
Plantain, dried
Plum
Plum, prune, dried
Plum, prune, dried-babyfood
Plum, prune, fresh
Plum, prune, fresh-babyfood
Plum, prune, juice
Plum, prune, juice-babyfood
Plum-babyfood
Pomegranate
Pork, fat
Pork, fat-babyfood
Pork, kidney
Pork, liver
Pork, meat
Pork, meat byproducts
Pork, meat byproducts-babyfood
Pork, meat-babyfood
Pork, skin
Potato, chips
Potato, dry (granules/ flakes)
Potato, dry (granules/ flakes)-babyfood
Potato, flour
Potato, flour-babyfood
Potato, tuber, w/o peel
Potato, tuber, w/o peel-babyfood
Potato, tuber, w/peel
Potato, tuber, w/peel-babyfood
Poultry, other, fat
Poultry, other, liver
Poultry, other, meat
Poultry, other, meat byproducts
Poultry, other, skin
Psyllium, seed
Pummelo
Pumpkin
Pumpkin, seed
Quince
Quinoa, grain
Rabbit, meat
Radicchio
Radish, Oriental, roots
Radish, Oriental, tops
Radish, roots
Radish, tops
Rape greens
Rapeseed, oil
Rapeseed, oil-babyfood
Raspberry
Raspberry, juice
Raspberry, juice-babyfood
Raspberry-babyfood
Rhubarb
Rice, bran
Rice, bran-babyfood
Rice, brown
Rice, brown-babyfood
Rice, flour
Rice, flour-babyfood
Rice, white
Rice, white-babyfood
Rutabaga
Rye, flour
Rye, grain
Safflower, oil
Safflower, oil-babyfood
Salsify, roots
Salsify, tops
Sapote, Mamey
Savory
Seaweed
Seaweed-babyfood
Sesame, oil
Sesame, oil-babyfood
Sesame, seed
Sesame, seed-babyfood
Shallot
Sheep, fat
Sheep, fat-babyfood
Sheep, kidney
Sheep, liver
Sheep, meat
Sheep, meat byproducts
Sheep, meat-babyfood
Sorghum, grain
Sorghum, syrup
Soursop
Soybean, flour
Soybean, flour-babyfood
Soybean, oil
Soybean, oil-babyfood
Soybean, seed
Soybean, soy milk
Soybean, soy milk-babyfood or infant formula
Spanish lime
Spearmint
Spearmint, oil
Spices, other
Spices, other-babyfood
Spinach
Spinach-babyfood
Squash, summer
Squash, summer-babyfood
Squash, winter
Squash, winter-babyfood
Starfruit
Strawberry
Strawberry, juice
Strawberry, juice-babyfood
Strawberry-babyfood
Sugar apple
Sugarcane, molasses
Sugarcane, molasses-babyfood
Sugarcane, sugar
Sugarcane, sugar-babyfood
Sunflower, oil
Sunflower, oil-babyfood
Sunflower, seed
Sweet potato
Sweet potato-babyfood
Swiss chard
Tamarind
Tangerine
Tangerine, juice
Tanier, corm
Tea, dried
Tea, instant
Tomatillo
Tomato
Tomato, dried
Tomato, dried-babyfood
Tomato, juice
Tomato, paste
Tomato, paste-babyfood
Tomato, puree
Tomato, puree-babyfood
Tomato, Tree
Tomato-babyfood
Triticale, flour
Triticale, flour-babyfood
Turkey, fat
Turkey, fat-babyfood
Turkey, liver
Turkey, liver-babyfood
Turkey, meat
Turkey, meat byproducts
Turkey, meat byproducts-babyfood
Turkey, meat-babyfood
Turkey, skin
Turkey, skin-babyfood
Turmeric
Turnip, greens
Turnip, roots
Vinegar
Walnut
Water chestnut
Water, direct, all sources
Water, direct, bottled
Water, direct, other
Water, direct, source-NS
Water, direct, tap
Water, indirect, all sources
Water, indirect, bottled
Water, indirect, other
Water, indirect, source-NS
Water, indirect, tap
Watercress
Watermelon
Watermelon, juice
Wheat, bran
Wheat, flour
Wheat, flour-babyfood

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Wheat, germ
Wheat, grain
Wheat, grain-babyfood
Wild rice
Yam bean
Yam, true

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APPENDIX D. CSFII FOOD LIST IN ALPHABETICAL ORDER

100 % Natural Cereal, with oats, honey and raisins, Quaker
100 % Natural Wholegrain Cereal with raisins, lowfat, Quaker
100 GRAND Bar
100% Bran
100% Natural Cereal, plain, Quaker
100% Natural Cereal, with raisins and dates, Quaker
3 MUSKETEER Bar
40% Bran Flakes, NFS
Adobo fresco
Air filled fritter or fried puff, without syrup, Puerto Rican style (Bunuelos de viento)
Alfalfa sprouts, raw
Alfredo sauce
Algae, dried
Alimentum, with iron, infant formula, NS as to form
Alimentum, with iron, infant formula, ready-to-feed
All-Bran
All-Bran with Extra Fiber
Almond butter
Almond chicken
Almond Delight
Almond paste (Marzipan paste)
Almonds, chocolate covered
Almonds, dry roasted (assume salted)
Almonds, dry roasted, without salt
Almonds, honey-roasted
Almonds, NFS
Almonds, roasted
Almonds, sugar-coated
Almonds, unroasted
Almonds, yogurt-covered
Aloe vera juice
Alpha-Bits
Alpha-bits with marshmallows
Ambrosia
Anchovy, canned
Anchovy, cooked, NS as to cooking method
Antipasto with ham, fish, cheese, vegetables
Apple and cabbage salad with dressing
Apple chips
Apple cider
Apple cider-flavored drink, made from powdered mix, low calorie, with vitamin C added
Apple cider-flavored drink, made from powdered mix, with sugar and vitamin C added
Apple Cinnamon Cheerios
Apple Cinnamon Oh's Cereal
Apple Cinnamon Rice Krispies
Apple Cinnamon Squares
Apple drink
Apple drink with vitamin C added
Apple Jacks
Apple juice
Apple juice drink
Apple juice with added vitamin C and calcium
Apple juice with lowfat yogurt, baby food
Apple juice, baby food
Apple juice, with added calcium, baby food
Apple juice, with added vitamin C
Apple Raisin Crisp
Apple salad with dressing
Apple with other fruit juice, baby food

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Apple yogurt dessert, baby food, strained
Apple, baked, NS as to added sweetener
Apple, baked, unsweetened
Apple, baked, with sugar
Apple, candied
Apple, cooked or canned, with syrup
Apple, dried, cooked, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Apple, dried, cooked, with sugar
Apple, dried, uncooked
Apple, fried
Apple, pickled
Apple, raw
Apple-banana juice, baby food
Apple-cherry drink
Apple-cherry juice
Apple-cherry juice, baby food
Apple-cranberry juice, baby food
Apple-cranberry-grape juice drink
Apple-grape juice
Apple-grape juice, baby food
Apple-grape juice, with added calcium, baby food
Apple-grape-raspberry juice
Apple-orange-pineapple juice drink
Apple-peach juice, baby food
Apple-pear juice
Apple-prune juice, baby food
Apple-raspberry juice
Apple-raspberry, baby food, junior
Apple-raspberry, baby food, NS as to strained or junior
Apple-raspberry, baby food, strained
Apples and chicken, baby food, strained
Apples and cranberries with tapioca, baby food, strained
Apples and cranberries, baby food, junior
Apples and pears, baby food, strained
Apples and sweetpotatoes, baby food, strained
Apples and turkey, baby food, strained
Apples with ham, baby food, strained
Apples, baby food, toddler
Applesauce and apricots, baby food, junior
Applesauce and apricots, baby food, NS as to strained or junior
Applesauce and apricots, baby food, strained
Applesauce with bananas, baby food, junior
Applesauce with bananas, baby food, strained
Applesauce with cherries, baby food, junior
Applesauce with cherries, baby food, NS as to strained or junior
Applesauce with cherries, baby food, strained
Applesauce with other fruits
Applesauce, baby food, junior
Applesauce, baby food, NS as to strained or junior
Applesauce, baby food, strained
Applesauce, stewed apples, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Applesauce, stewed apples, sweetened with low calorie sweetener
Applesauce, stewed apples, unsweetened
Applesauce, stewed apples, with sugar
Apple-sweetpotato juice, baby food
Apple-white grape juice drink, low calorie, with vitamin C added
Apricot nectar
Apricot, cooked or canned, drained solids
Apricot, cooked or canned, in heavy syrup
Apricot, cooked or canned, in light syrup
Apricot, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Apricot, cooked or canned, unsweetened, water pack

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Apricot, dried, cooked, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Apricot, dried, cooked, unsweetened
Apricot, dried, cooked, with sugar
Apricot, dried, uncooked
Apricot, raw
Apricot-orange juice
Apricot-pineapple juice drink
Apricots with tapioca, baby food, junior
Apricots with tapioca, baby food, NS as to strained or junior
Apricots with tapioca, baby food, strained
Artichoke salad in oil
Artichoke, globe (French), cooked, from canned, NS as to fat added in cooking
Artichoke, globe (French), cooked, from fresh, fat added in cooking
Artichoke, globe (French), cooked, from fresh, fat not added in cooking
Artichoke, globe (French), cooked, from fresh, NS as to fat added in cooking
Artichoke, globe (French), cooked, from frozen, NS as to fat added in cooking
Artichoke, globe (French), cooked, NS as to form, fat not added in cooking
Artichoke, globe (French), cooked, NS as to form, NS as to fat added in cooking
Artichoke, Jerusalem, raw
Artichokes, stuffed
Asparagus soup, cream of, NS as to made with milk or water
Asparagus soup, cream of, prepared with milk
Asparagus, cooked, from canned, fat added in cooking
Asparagus, cooked, from canned, fat not added in cooking
Asparagus, cooked, from canned, NS as to fat added in cooking
Asparagus, cooked, from fresh, fat added in cooking
Asparagus, cooked, from fresh, fat not added in cooking
Asparagus, cooked, from fresh, NS as to fat added in cooking
Asparagus, cooked, from frozen, fat not added in cooking
Asparagus, cooked, NS as to form, fat added in cooking
Asparagus, cooked, NS as to form, fat not added in cooking
Asparagus, cooked, NS as to form, NS as to fat added in cooking
Asparagus, from canned, creamed or with cheese sauce
Asparagus, from fresh, creamed or with cheese sauce
Asparagus, raw
Aspartame sweetener, sugar substitute
Atole (corn meal beverage)
Avocado, raw
Baby Ruth
Bacon and cheese sandwich, with spread
Bacon and egg sandwich
Bacon and tomato dressing
Bacon bits, meatless
Bacon cheeseburger, 1/4 lb meat, with mayonnaise or salad dressing and tomatoes, on bun
Bacon cheeseburger, 1/4 lb meat, with tomato and/or catsup, on bun
Bacon dressing (hot)
Bacon grease or meat drippings
Bacon on biscuit
Bacon or side pork, fresh, cooked
Bacon soup, cream of, prepared with water
Bacon strip, meatless
Bacon, chicken, and tomato club sandwich, on multigrain roll with lettuce and spread
Bacon, chicken, and tomato club sandwich, with lettuce and spread
Bacon, lettuce, and tomato sandwich with spread
Bacon, NS as to type of meat, cooked
Bagel
Bagel chip
Bagel, multigrain
Bagel, multigrain, toasted
Bagel, multigrain, with raisins
Bagel, multigrain, with raisins, toasted
Bagel, oat bran

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Bagel, oat bran, toasted
Bagel, pumpernickel
Bagel, pumpernickel, toasted
Bagel, toasted
Bagel, wheat
Bagel, wheat, toasted
Bagel, wheat, with fruit and nuts
Bagel, wheat, with fruit and nuts, toasted
Bagel, wheat, with raisins
Bagel, wheat, with raisins, toasted
Bagel, whole wheat, 100%
Bagel, whole wheat, 100%, toasted
Bagel, whole wheat, 100%, with raisins
Bagel, whole wheat, 100%, with raisins, toasted
Bagel, whole wheat, other than 100% or NS as to 100%
Bagel, whole wheat, other than 100% or NS as to 100%, toasted
Bagel, with fruit other than raisins
Bagel, with fruit other than raisins, toasted
Bagel, with raisins
Bagel, with raisins, toasted
Baked beans, low sodium
Baked beans, NFS
Baked beans, with pork and sweet sauce
Baked beans, with tomato sauce
Baklava
Bamboo shoots, cooked, fat added in cooking
Bamboo shoots, cooked, fat not added in cooking
Banana apple dessert, baby food, strained
Banana chips
Banana flakes, dehydrated
Banana juice with lowfat yogurt, baby food
Banana nectar
Banana Nut Crunch Cereal (Post)
Banana pineapple dessert, with tapioca, baby food
Banana pudding, baby food, strained
Banana yogurt dessert, baby food, strained
Banana, Chinese, raw
Banana, raw
Banana, red, ripe (guineo morado)
Banana, ripe, boiled
Banana, ripe, fried
Banana-orange drink
Bananas and pineapple with tapioca, baby food, junior
Bananas and pineapple with tapioca, baby food, strained
Bananas with apples and pears, baby food, strained
Bananas with tapioca, baby food, junior
Bananas with tapioca, baby food, NS as to strained or junior
Bananas with tapioca, baby food, strained
Bananas, baby food, strained, without tapioca
Bar None
Barbecue sauce
Barbecue sauce, low sodium
Barfi or Burfi, Indian dessert, made from milk and/or cream and/or Ricotta cheese
Barley cereal, baby food, dry, instant
Barley soup
Barley, cooked, fat not added in cooking
Barley, cooked, NS as to fat added in cooking
Basic 4
Bean and ham soup, chunky style
Bean and ham soup, home recipe
Bean and rice soup
Bean beverage

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Bean cake
Bean dip, made with refried beans
Bean paste, sweetened
Bean salad, yellow and/or green string beans
Bean soup with vegetables and rice, canned, reduced sodium, prepared with water or ready-to-serve
Bean soup, home recipe
Bean soup, mixed beans
Bean soup, NFS
Bean soup, with macaroni
Bean soup, with macaroni and meat
Bean sprouts, cooked, from canned, fat not added in cooking
Bean sprouts, cooked, from fresh, fat not added in cooking
Bean sprouts, cooked, from fresh, NS as to fat added in cooking
Bean sprouts, cooked, NS as to form, fat added in cooking
Bean sprouts, cooked, NS as to form, NS as to fat added in cooking
Bean sprouts, raw (soybean or mung)
Bean with bacon or pork soup
Beans and franks
Beans, dry, cooked with ground beef
Beans, dry, cooked with pork
Beans, dry, cooked, NS as to type and as to fat added in cooking
Beans, dry, cooked, NS as to type, fat added in cooking
Beans, dry, cooked, NS as to type, fat not added in cooking
Beans, green string, baby food, junior
Beans, green string, baby food, NS as to strained or junior
Beans, green string, baby food, strained
Beans, green string, baby food, toddler
Beans, green string, creamed, baby food, junior
Beans, green string, with almonds, cooked, fat not added in cooking
Beans, green string, with onions, cooked, fat not added in cooking
Beans, green string, with onions, fat added in cooking
Beans, green string, with onions, NS as to fat added in cooking
Beans, green string, with tomatoes, cooked, fat not added in cooking
Beans, green, and potatoes, cooked, fat added in cooking
Beans, green, and potatoes, cooked, fat not added in cooking
Beans, green, and potatoes, cooked, NS as to fat added in cooking
Beans, green, with pinto beans, cooked, fat not added in cooking
Beans, lima and corn (succotash), cooked, fat added in cooking
Beans, lima and corn (succotash), cooked, fat not added in cooking
Beans, lima and corn (succotash), cooked, NS as to fat added in cooking
Beans, lima, immature, canned, low sodium, NS as to fat added in cooking
Beans, lima, immature, cooked, from canned, fat added in cooking
Beans, lima, immature, cooked, from canned, fat not added in cooking
Beans, lima, immature, cooked, from canned, NS as to fat added in cooking
Beans, lima, immature, cooked, from canned, with mushroom sauce
Beans, lima, immature, cooked, from fresh, fat added in cooking
Beans, lima, immature, cooked, from fresh, fat not added in cooking
Beans, lima, immature, cooked, from frozen, fat added in cooking
Beans, lima, immature, cooked, from frozen, fat not added in cooking
Beans, lima, immature, cooked, from frozen, NS as to fat added in cooking
Beans, lima, immature, cooked, NS as to form, fat added in cooking
Beans, lima, immature, cooked, NS as to form, fat not added in cooking
Beans, lima, immature, cooked, NS as to form, NS as to fat added in cooking
Beans, lima, immature, from frozen, creamed or with cheese sauce
Beans, lima, immature, NS as to form, creamed or with cheese sauce
Beans, string, cooked, from canned, NS as to color, fat added in cooking
Beans, string, cooked, from canned, NS as to color, fat not added in cooking
Beans, string, cooked, from canned, NS as to color, NS as to fat added in cooking
Beans, string, cooked, from fresh, NS as to color, fat added in cooking
Beans, string, cooked, from fresh, NS as to color, fat not added in cooking
Beans, string, cooked, from fresh, NS as to color, NS as to fat added in cooking
Beans, string, cooked, from frozen, NS as to color, fat added in cooking

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Beans, string, cooked, from frozen, NS as to color, fat not added in cooking
Beans, string, cooked, from frozen, NS as to color, NS as to fat added in cooking
Beans, string, cooked, NS as to form, NS as to color, fat added in cooking
Beans, string, cooked, NS as to form, NS as to color, fat not added in cooking
Beans, string, cooked, NS as to form, NS as to color, NS as to fat added in cooking
Beans, string, green, canned, low sodium, fat added in cooking
Beans, string, green, canned, low sodium, fat not added in cooking
Beans, string, green, canned, low sodium, NS as to fat added in cooking
Beans, string, green, cooked, from canned, fat added in cooking
Beans, string, green, cooked, from canned, fat not added in cooking
Beans, string, green, cooked, from canned, NS as to fat added in cooking
Beans, string, green, cooked, from canned, with mushroom sauce
Beans, string, green, cooked, from fresh, fat added in cooking
Beans, string, green, cooked, from fresh, fat not added in cooking
Beans, string, green, cooked, from fresh, NS as to fat added in cooking
Beans, string, green, cooked, from fresh, with mushroom sauce
Beans, string, green, cooked, from frozen, fat added in cooking
Beans, string, green, cooked, from frozen, fat not added in cooking
Beans, string, green, cooked, from frozen, NS as to fat added in cooking
Beans, string, green, cooked, from frozen, with mushroom sauce
Beans, string, green, cooked, NS as to form, fat added in cooking
Beans, string, green, cooked, NS as to form, fat not added in cooking
Beans, string, green, cooked, NS as to form, NS as to fat added in cooking
Beans, string, green, cooked, NS as to form, with mushroom sauce
Beans, string, green, from canned, creamed or with cheese sauce
Beans, string, green, from fresh, creamed or with cheese sauce
Beans, string, green, from frozen, creamed or with cheese sauce
Beans, string, green, NS as to form, creamed or with cheese sauce
Beans, string, green, raw
Beans, string, yellow, cooked, from canned, fat added in cooking
Beans, string, yellow, cooked, from canned, fat not added in cooking
Beans, string, yellow, cooked, from canned, NS as to fat added in cooking
Beans, string, yellow, cooked, from fresh, fat not added in cooking
Beans, string, yellow, cooked, from frozen, fat not added in cooking
Beans, string, yellow, cooked, NS as to form, fat not added in cooking
Beans, string, yellow, cooked, NS as to form, NS as to fat added in cooking
Bear, cooked
Beef (roast) hash
Beef and egg noodles, baby food, junior
Beef and egg noodles, baby food, NS as to strained or junior
Beef and egg noodles, baby food, strained
Beef and macaroni with cheese sauce (mixture)
Beef and mushroom soup, canned, low sodium
Beef and noodles with (mushroom) soup (mixture)
Beef and noodles with cream or white sauce (mixture)
Beef and noodles with gravy (mixture)
Beef and noodles with meat sauce and cheese (diet frozen meal)
Beef and noodles with tomato-based sauce (mixture)
Beef and noodles, no sauce (mixture)
Beef and potatoes with (mushroom) soup (mixture)
Beef and potatoes with cheese sauce (mixture)
Beef and potatoes with cream or white sauce (mixture)
Beef and potatoes, no sauce (mixture)
Beef and rice noodle soup, Oriental style (Vietnamese Pho Bo)
Beef and rice with (mushroom) soup (mixture)
Beef and rice with cream sauce (mixture)
Beef and rice with gravy (mixture)
Beef and rice with soy-based sauce (mixture)
Beef and rice with tomato-based sauce (mixture)
Beef and rice, no sauce (mixture)
Beef and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), gravy (mixture)
Beef and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), no sauce (mixture)

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Beef and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)
Beef and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), gravy (mixture)
Beef and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), no sauce (mixture)
Beef and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)
Beef barbecue or Sloppy Joe, on bun
Beef barbecue submarine sandwich, on bun
Beef bourguignonne
Beef brisket, cooked, lean and fat eaten
Beef brisket, cooked, lean only eaten
Beef brisket, cooked, NS as to fat eaten
Beef broth, with tomato, home recipe
Beef broth, without tomato, home recipe
Beef burgundy
Beef chow mein or chop suey with noodles
Beef chow mein or chop suey, no noodles
Beef curry
Beef dinner, NFS (frozen meal)
Beef dumpling soup
Beef enchilada dinner, NFS (frozen meal)
Beef enchilada, chili gravy, rice, refried beans (frozen meal)
Beef goulash
Beef goulash with noodles
Beef goulash with potatoes
Beef jerky
Beef liver, battered, fried
Beef liver, braised
Beef liver, breaded, fried
Beef liver, cooked, NS as to cooking method
Beef liver, fried or broiled, no coating
Beef noodle soup
Beef noodle soup, home recipe
Beef noodle soup, Puerto Rican style (Sopa de carne y fideos)
Beef pot pie
Beef rice soup
Beef rolls, stuffed with vegetables or meat mixture, tomato-based sauce
Beef salad
Beef sausage, brown and serve, links, cooked
Beef sausage, fresh, bulk, patty or link, cooked
Beef sausage, NFS
Beef sausage, smoked
Beef sausage, smoked, stick
Beef shish kabob with vegetables, excluding potatoes
Beef short ribs, boneless, with barbecue sauce, potatoes, vegetable (frozen meal)
Beef sloppy joe (no bun)
Beef steak with onions, Puerto Rican style (mixture) (Biftec encebollado)
Beef steak with rice, vegetable (diet frozen meal)
Beef steak, battered, fried, lean and fat eaten
Beef steak, battered, fried, lean only eaten
Beef steak, battered, fried, NS as to fat eaten
Beef steak, braised, lean and fat eaten
Beef steak, braised, lean only eaten
Beef steak, braised, NS as to fat eaten
Beef steak, breaded or floured, baked or fried, lean and fat eaten
Beef steak, breaded or floured, baked or fried, lean only eaten
Beef steak, breaded or floured, baked or fried, NS as to fat eaten
Beef steak, broiled or baked, lean and fat eaten
Beef steak, broiled or baked, lean only eaten
Beef steak, broiled or baked, NS as to fat eaten
Beef steak, fried, lean and fat eaten
Beef steak, fried, lean only eaten
Beef steak, fried, NS as to fat eaten
Beef steak, NS as to cooking method, lean and fat eaten

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Beef steak, NS as to cooking method, lean only eaten
Beef steak, NS as to cooking method, NS as to fat eaten
Beef stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy
Beef stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce
Beef stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy
Beef stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce
Beef stew with potatoes, gravy
Beef stew with potatoes, tomato-based sauce (mixture)
Beef stew, baby food, toddler
Beef stroganoff
Beef stroganoff soup, chunky style
Beef stroganoff with noodles
Beef taco filling: beef, cheese, tomato, taco sauce
Beef vegetable soup with noodles, stew type, chunky style
Beef vegetable soup with potato, stew type
Beef vegetable soup with rice, stew type, chunky style
Beef vegetable soup, Mexican style (Sopa / caldo de Res)
Beef with (mushroom) soup (mixture)
Beef with barbecue sauce (mixture)
Beef with cream or white sauce (mixture)
Beef with gravy (mixture)
Beef with noodles, vegetable (frozen meal)
Beef with potatoes (frozen meal)
Beef with soy-based sauce (mixture)
Beef with spaetzle or rice, vegetable (frozen meal)
Beef with sweet and sour sauce (mixture)
Beef with tomato-based sauce (mixture)
Beef with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), (mushroom) soup (mixture)
Beef with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), tomato-based sauce (mixture)
Beef with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), (mushroom) soup (mixture)
Beef with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato-based sauce (mixture)
Beef with vegetables, baby food, strained
Beef with vegetables, baby food, toddler
Beef, baby food, junior
Beef, baby food, strained
Beef, bacon, cooked
Beef, bacon, formed, lean meat added, cooked
Beef, broth, bouillon, or consomme
Beef, broth, bouillon, or consomme, canned, low sodium
Beef, broth, bouillon, or consomme, dry, not reconstituted
Beef, broth, bouillon, or consomme, low sodium, dry, not reconstituted
Beef, cow head, cooked
Beef, dried, chipped, uncooked
Beef, dumplings, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)
Beef, ground, with egg and onion (mixture)
Beef, neck bones, cooked
Beef, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), (mushroom) soup (mixture)
Beef, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)
Beef, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), no sauce (mixture)
Beef, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), soy-based sauce (mixture)
Beef, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce (mixture)
Beef, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), (mushroom) soup (mixture)
Beef, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)
Beef, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), no sauce (mixture)
Beef, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), soy-based sauce (mixture)
Beef, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)
Beef, NS as to cut, cooked, lean and fat eaten
Beef, NS as to cut, cooked, lean only eaten
Beef, NS as to cut, cooked, NS as to fat eaten
Beef, NS as to cut, fried, NS to fat eaten
Beef, oriental style, with vegetable, rice, and fruit dessert (diet frozen meal)
Beef, oxtails, cooked

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Beef, pastrami (beef, smoked, spiced)
Beef, pickled
Beef, pot roast, braised or boiled, lean and fat eaten
Beef, pot roast, braised or boiled, lean only eaten
Beef, pot roast, braised or boiled, NS as to fat eaten
Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), (mushroom) soup (mixture)
Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), no sauce (mixture)
Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), (mushroom) soup (mixture)
Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), no sauce (mixture)
Beef, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), (mushroom) soup (mixture)
Beef, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)
Beef, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), no sauce (mixture)
Beef, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), soy-based sauce (mixture)
Beef, rice, and vegetables (excluding carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)
Beef, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), (mushroom) soup (mixture)
Beef, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)
Beef, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), no sauce (mixture)
Beef, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), soy-based sauce (mixture)
Beef, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)
Beef, roast, canned
Beef, roast, roasted, lean and fat eaten
Beef, roast, roasted, lean only eaten
Beef, roast, roasted, NS as to fat eaten
Beef, sandwich steak (flaked, formed, thinly sliced)
Beef, shortribs, barbecued, with sauce, lean and fat eaten
Beef, shortribs, barbecued, with sauce, lean only eaten
Beef, shortribs, barbecued, with sauce, NS as to fat eaten
Beef, shortribs, cooked, lean and fat eaten
Beef, shortribs, cooked, lean only eaten
Beef, shortribs, cooked, NS as to fat eaten
Beef, sliced, prepackaged or deli, luncheon meat
Beef, sliced, with gravy, barley and wild rice, vegetables (diet frozen meal)
Beef, sliced, with gravy, potatoes, vegetable (frozen meal)
Beef, sliced, with gravy, potatoes, vegetable, dessert (frozen meal)
Beef, sliced, with vegetable in sauce, au gratin potatoes (frozen meal)
Beef, stew meat, cooked, lean and fat eaten
Beef, stew meat, cooked, lean only eaten
Beef, stew meat, cooked, NS as to fat eaten
Beef, tofu, and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)
Beef, tofu, and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)
Beer
Beer, lite
Beet greens, cooked, NS as to fat added in cooking
Beet greens, raw
Beet soup (borscht)
Beets with Harvard sauce
Beets, baby food, strained
Beets, cooked, from canned, fat added in cooking
Beets, cooked, from canned, fat not added in cooking
Beets, cooked, from canned, NS as to fat added in cooking
Beets, cooked, from fresh, fat not added in cooking
Beets, cooked, from fresh, NS as to fat added in cooking
Beets, cooked, NS as to form, fat added in cooking
Beets, cooked, NS as to form, fat not added in cooking
Beets, cooked, NS as to form, NS as to fat added in cooking
Beets, pickled
Beets, raw
Bernaise sauce
Berries, raw, NFS
Berry Berry Kix
Bierock (turnover filled with ground beef and cabbage mixture)
Biscuit dough, fried

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Biscuit with gravy
Biscuit, baking powder or buttermilk type, commercially baked
Biscuit, baking powder or buttermilk type, made from home recipe
Biscuit, baking powder or buttermilk type, made from mix
Biscuit, baking powder or buttermilk type, made from refrigerated dough
Biscuit, baking powder or buttermilk type, made from refrigerated dough, lowfat
Biscuit, baking powder or buttermilk type, NS as to made from mix, refrigerated dough, or home recipe
Biscuit, cheese
Biscuit, cinnamon-raisin
Biscuit, whole wheat
Bison, cooked
Bitter melon, cooked, fat not added in cooking
Black bean sauce
Black bean soup
Black, brown, or Bayo beans, dry, cooked, fat added in cooking
Black, brown, or Bayo beans, dry, cooked, fat not added in cooking
Black, brown, or Bayo beans, dry, cooked, NS as to fat added in cooking
Blackberries, cooked or canned, in heavy syrup
Blackberries, frozen
Blackberries, raw
Blintz, cheese-filled
Blood sausage
Bloody Mary
Blue or roquefort cheese dressing
Blue or roquefort cheese dressing, low-calorie
Blue or roquefort cheese dressing, reduced calorie
Blue or roquefort cheese dressing, reduced calorie, fat-free, cholesterol-free
Blueberries, cooked or canned, in heavy syrup
Blueberries, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Blueberries, frozen, NS as to sweetened or unsweetened
Blueberries, frozen, unsweetened
Blueberries, raw
Blueberry Morning, Post
Blueberry pie filling
Blueberry yogurt dessert, baby food, strained
Boiled, cooked-type dressing
Bologna and cheese sandwich, with spread
Bologna ring, smoked
Bologna sandwich, with spread
Bologna, beef
Bologna, beef and pork, lowfat
Bologna, beef, lower sodium
Bologna, beef, lowfat
Bologna, chicken, beef, and pork
Bologna, Lebanon
Bologna, NFS
Bologna, pork
Bologna, pork and beef
Bologna, turkey
Booberry
Boston baked beans
Bouillabaisse
Bourbon and soda
Boysenberries, cooked or canned
Boysenberries, raw
Brains, cooked
Bran Buds
Bran Chex
Brandy
Branola
Bratwurst, cooked
Bratwurst, with cheese

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Brazil nuts
Bread stick, hard, low sodium
Bread stick, hard, whole wheat, NS as to 100%
Bread stick, NS as to hard or soft
Bread stick, soft
Bread stick, soft, prepared with garlic and parmesan cheese
Bread sticks, hard
Bread stuffing
Bread stuffing made with egg
Bread, barley
Bread, black
Bread, black, toasted
Bread, cheese
Bread, cheese, toasted
Bread, cinnamon
Bread, cinnamon, toasted
Bread, cornmeal and molasses
Bread, cornmeal and molasses, toasted
Bread, Cuban
Bread, Cuban, toasted
Bread, dough, fried
Bread, egg, Challah
Bread, egg, Challah, toasted
Bread, French or Vienna
Bread, French or Vienna, toasted
Bread, French or Vienna, whole wheat, other than 100% or NS as to 100%, made from home recipe or purchased at bakery
Bread, French or Vienna, whole wheat, other than 100% or NS as to 100%, made from home recipe or purchased at bakery, toasted
Bread, fruit and nut
Bread, fruit, without nuts
Bread, garlic
Bread, garlic, toasted
Bread, high protein
Bread, Irish soda
Bread, Italian, Grecian, Armenian
Bread, Italian, Grecian, Armenian, toasted
Bread, lowfat, 98% fat free
Bread, lowfat, 98% fat free, toasted
Bread, made from home recipe or purchased at a bakery, NS as to major flour
Bread, made from home recipe or purchased at a bakery, toasted, NS as to major flour
Bread, marble rye and pumpernickel
Bread, marble rye and pumpernickel, toasted
Bread, multigrain
Bread, multigrain, reduced calorie and/or high fiber
Bread, multigrain, reduced calorie and/or high fiber, toasted
Bread, multigrain, toasted
Bread, multigrain, with raisins
Bread, multigrain, with raisins, toasted
Bread, Native, Puerto Rican style (Pan Criollo)
Bread, Native, Puerto Rican style, toasted (Pan Criollo)
Bread, NS as to major flour
Bread, nut
Bread, oat bran
Bread, oat bran, reduced calorie and/or high fiber
Bread, oat bran, reduced calorie and/or high fiber, toasted
Bread, oat bran, toasted
Bread, oatmeal
Bread, oatmeal, toasted
Bread, onion
Bread, pita
Bread, pita, toasted
Bread, pita, wheat or cracked wheat

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Bread, pita, wheat or cracked wheat, toasted
Bread, pita, whole wheat, 100%
Bread, pita, whole wheat, 100%, toasted
Bread, pita, whole wheat, other than 100% or NS as to 100%
Bread, pita, whole wheat, other than 100% or NS as to 100%, toasted
Bread, potato
Bread, potato, toasted
Bread, pumpernickel
Bread, pumpernickel, toasted
Bread, pumpkin
Bread, raisin
Bread, raisin, toasted
Bread, reduced calorie and/or high fiber, Italian
Bread, reduced calorie and/or high fiber, Italian, toasted
Bread, reduced calorie and/or high fiber, white or NFS
Bread, reduced calorie and/or high fiber, white or NFS, toasted
Bread, reduced calorie and/or high fiber, white or NFS, with fruit and/or nuts
Bread, reduced calorie and/or high fiber, white or NFS, with fruit and/or nuts, toasted
Bread, rice, toasted
Bread, rye
Bread, rye, reduced calorie and/or high fiber
Bread, rye, reduced calorie and/or high fiber, toasted
Bread, rye, toasted
Bread, sour dough
Bread, sour dough, toasted
Bread, sprouted wheat, toasted
Bread, sunflower meal
Bread, triticale
Bread, vegetable
Bread, vegetable, toasted
Bread, wheat bran
Bread, wheat bran, toasted
Bread, wheat or cracked wheat
Bread, wheat or cracked wheat, made from home recipe or purchased at bakery
Bread, wheat or cracked wheat, made from home recipe or purchased at bakery, toasted
Bread, wheat or cracked wheat, reduced calorie and/or high fiber
Bread, wheat or cracked wheat, reduced calorie and/or high fiber, toasted
Bread, wheat or cracked wheat, toasted
Bread, wheat or cracked wheat, with raisins
Bread, wheat or cracked wheat, with raisins, toasted
Bread, white
Bread, white with whole wheat swirl
Bread, white with whole wheat swirl, toasted
Bread, white, low sodium or no salt
Bread, white, low sodium or no salt, toasted
Bread, white, made from home recipe or purchased at a bakery
Bread, white, made from home recipe or purchased at a bakery, toasted
Bread, white, special formula, added fiber
Bread, white, special formula, added fiber, toasted
Bread, white, special formula, high calcium
Bread, white, toasted
Bread, whole wheat, 100%
Bread, whole wheat, 100%, made from home recipe or purchased at bakery
Bread, whole wheat, 100%, made from home recipe or purchased at bakery, toasted
Bread, whole wheat, 100%, toasted
Bread, whole wheat, 100%, with raisins
Bread, whole wheat, 100%, with raisins, toasted
Bread, whole wheat, NS as to 100%, with raisins
Bread, whole wheat, NS as to 100%, with raisins, toasted
Bread, whole wheat, other than 100% or NS as to 100%
Bread, whole wheat, other than 100% or NS as to 100%, made from home recipe or purchased at bakery
Bread, whole wheat, other than 100% or NS as to 100%, made from home recipe or purchased at bakery, toasted

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Bread, whole wheat, other than 100% or NS as to 100%, toasted
Bread, whole wheat, with nuts
Bread, zucchini
Breadfruit, cooked, fat not added in cooking
Breakfast bar, cake-like
Breakfast bar, cereal crust with fruit filling, fat free
Breakfast bar, cereal crust with fruit filling, lowfat
Breakfast bar, date, with yogurt coating
Breakfast bar, diet meal type
Breakfast bar, NFS
Breakfast link, pattie, or slice, meatless
Breakfast pastry, NFS
Breakfast tart
Breakfast tart, lowfat
Brioche
Broccoflower, cooked, fat added in cooking
Broccoflower, cooked, fat not added in cooking
Broccoli and chicken, baby food, strained
Broccoli casserole (broccoli, noodles, and cream sauce)
Broccoli casserole (broccoli, rice, cheese, and mushroom sauce)
Broccoli cheese soup, prepared with milk
Broccoli salad with cauliflower, cheese, bacon bits, and dressing
Broccoli soup
Broccoli, batter-dipped and fried
Broccoli, carrots and cheese, baby food, junior
Broccoli, cooked, from fresh, fat added in cooking
Broccoli, cooked, from fresh, fat not added in cooking
Broccoli, cooked, from fresh, NS as to fat added in cooking
Broccoli, cooked, from fresh, with cheese sauce
Broccoli, cooked, from fresh, with cream sauce
Broccoli, cooked, from frozen, fat added in cooking
Broccoli, cooked, from frozen, fat not added in cooking
Broccoli, cooked, from frozen, NS as to fat added in cooking
Broccoli, cooked, from frozen, with cheese sauce
Broccoli, cooked, from frozen, with cream sauce
Broccoli, cooked, NS as to form, fat added in cooking
Broccoli, cooked, NS as to form, fat not added in cooking
Broccoli, cooked, NS as to form, NS as to fat added in cooking
Broccoli, cooked, NS as to form, with cheese sauce
Broccoli, cooked, NS as to form, with cream sauce
Broccoli, raw
Brown rice cereal, baby food, dry, instant
Brunswick stew
Brussels sprouts, cooked, from fresh, fat added in cooking
Brussels sprouts, cooked, from fresh, fat not added in cooking
Brussels sprouts, cooked, from fresh, NS as to fat added in cooking
Brussels sprouts, cooked, from frozen, fat added in cooking
Brussels sprouts, cooked, from frozen, fat not added in cooking
Brussels sprouts, cooked, from frozen, NS as to fat added in cooking
Brussels sprouts, cooked, NS as to form, fat not added in cooking
Brussels sprouts, cooked, NS as to form, NS as to fat added in cooking
Brussels sprouts, from frozen, creamed
Brussels sprouts, NS as to form, creamed
Brussels sprouts, raw
Buckwheat groats, cooked, fat added in cooking
Buckwheat groats, cooked, fat not added in cooking
Bulgur, cooked or canned, fat added in cooking
Bulgur, cooked or canned, fat not added in cooking
Bulgur, cooked or canned, NS as to fat added in cooking
Burrito with beans and cheese, meatless
Burrito with beans and rice, meatless
Burrito with beans, meatless

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Burrito with beef and beans
Burrito with beef and cheese, no beans
Burrito with beef and potato, no beans
Burrito with beef, beans, and cheese
Burrito with beef, beans, cheese, and sour cream
Burrito with beef, no beans
Burrito with chicken and beans
Burrito with chicken and cheese
Burrito with chicken, beans, and cheese
Burrito with chicken, NFS
Burrito with chicken, no beans
Burrito with eggs and cheese, no beans
Burrito with eggs, sausage, cheese and vegetables
Burrito with pork and beans
Burrito with rice, beans, cheese, sour cream, lettuce, tomato and guacamole, meatless
Butter replacement, fat-free powder
Butter, NFS
Butter, stick, salted
Butter, stick, unsalted
Butter, whipped, stick, salted
Butter, whipped, tub, salted
Butter, whipped, tub, unsalted
Buttered blends syrup
Butterfinger
Butter-margarine blend, stick, salted
Butter-margarine blend, stick, unsalted
Butter-margarine blend, tub, salted
Buttermilk, fluid, 2% fat
Buttermilk, fluid, nonfat
Butterscotch hard candy
Butterscotch morsels
Butter-vegetable oil blend
Cabbage salad or coleslaw with apples and/or raisins, with dressing
Cabbage salad or coleslaw with pineapple, with dressing
Cabbage salad or coleslaw, with dressing
Cabbage soup
Cabbage with ham hocks (mixture)
Cabbage with meat soup
Cabbage, Chinese, cooked, fat added in cooking
Cabbage, Chinese, cooked, fat not added in cooking
Cabbage, Chinese, cooked, NS as to fat added in cooking
Cabbage, Chinese, raw
Cabbage, Chinese, salad, with dressing
Cabbage, fresh, pickled, Japanese style
Cabbage, green, cooked, fat added in cooking
Cabbage, green, cooked, fat not added in cooking
Cabbage, green, cooked, NS as to fat added in cooking
Cabbage, green, raw
Cabbage, Kim Chee style
Cabbage, red, cooked, fat not added in cooking
Cabbage, red, cooked, NS as to fat added in cooking
Cabbage, red, pickled
Cabbage, red, raw
Cactus, cooked, fat added in cooking
Cactus, cooked, fat not added in cooking
Cactus, cooked, NS as to fat added in cooking
Cactus, raw
Caesar dressing
Caesar dressing, low-calorie
Caesar salad (with romaine)
Cafe con leche prepared with sugar
Cake batter, raw, chocolate

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Cake batter, raw, not chocolate
Cake made with glutinous rice
Cake made with glutinous rice and dried beans
Cake or pancake made with rice flour and/or dried beans
Cake, angel food, NS as to icing
Cake, angel food, with fruit and icing or filling
Cake, angel food, with icing
Cake, angel food, without icing
Cake, applesauce, NS as to icing
Cake, applesauce, with icing
Cake, applesauce, without icing
Cake, banana, NS as to icing
Cake, banana, with icing
Cake, banana, without icing
Cake, black forest (chocolate-cherry)
Cake, Boston cream pie
Cake, butter, with icing
Cake, butter, without icing
Cake, carrot, diet
Cake, carrot, NS as to icing
Cake, carrot, with icing
Cake, carrot, without icing
Cake, chiffon, without icing
Cake, chocolate, devil's food, or fudge, made from home recipe or purchased ready-to-eat, NS as to icing
Cake, chocolate, devil's food, or fudge, pudding type mix, made by "cholesterol free" recipe (water, oil and egg whites added to dry mix), with "light" icing, coating or filling
Cake, chocolate, devil's food, or fudge, pudding-type mix (oil, eggs, and water added to dry mix), NS as to icing
Cake, chocolate, devil's food, or fudge, pudding-type mix (oil, eggs, and water added to dry mix), with icing, coating, or filling
Cake, chocolate, devil's food, or fudge, pudding-type mix (oil, eggs, and water added to dry mix), without icing or filling
Cake, chocolate, devil's food, or fudge, pudding-type mix, made by "Lite" recipe (eggs and water added to dry mix, no oil added to dry mix), with icing, coating, or filling
Cake, chocolate, devil's food, or fudge, standard-type mix (eggs and water added to dry mix), NS as to icing
Cake, chocolate, devil's food, or fudge, standard-type mix (eggs and water added to dry mix), with icing, coating, or filling
Cake, chocolate, devil's food, or fudge, standard-type mix (eggs and water added to dry mix), without icing or filling
Cake, chocolate, devil's food, or fudge, with icing, coating, or filling, made from home recipe or purchased ready-to-eat
Cake, chocolate, devil's food, or fudge, without icing or filling, made from home recipe or purchased ready-to-eat
Cake, chocolate, with icing, diet
Cake, coconut, with icing
Cake, cream, without icing or topping
Cake, cupcake, chocolate, NS as to icing
Cake, cupcake, chocolate, with icing or filling
Cake, cupcake, chocolate, with or without icing, fruit filling or cream filling, lowfat, cholesterol free
Cake, cupcake, chocolate, without icing or filling
Cake, cupcake, not chocolate, NS as to icing
Cake, cupcake, not chocolate, with fruit and cream filling
Cake, cupcake, not chocolate, with icing or filling
Cake, cupcake, not chocolate, with icing or filling, lowfat, cholesterol free
Cake, cupcake, not chocolate, without icing or filling
Cake, cupcake, NS as to type or icing
Cake, cupcake, NS as to type, with icing
Cake, cupcake, NS as to type, without icing
Cake, Dobos Torte (non-chocolate layer cake with chocolate filling and icing)
Cake, frozen yogurt and cake layer, chocolate, with icing
Cake, fruit cake, light or dark, holiday type cake
Cake, German chocolate, with icing and filling
Cake, gingerbread, without icing
Cake, ice box with fruit and whipped cream
Cake, ice cream and cake roll, chocolate
Cake, ice cream and cake roll, not chocolate
Cake, jelly roll
Cake, lemon, lowfat, with icing
Cake, lemon, lowfat, without icing

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Cake, lemon, NS as to icing
Cake, lemon, with icing
Cake, lemon, without icing
Cake, marble, NS as to icing
Cake, marble, with icing
Cake, marble, without icing
Cake, NS as to type, with or without icing
Cake, nut, NS as to icing
Cake, nut, with icing
Cake, nut, without icing
Cake, oatmeal, with icing
Cake, peanut butter, with icing
Cake, pineapple, fat free, cholesterol free, without icing
Cake, plum pudding
Cake, poppyseed, without icing
Cake, pound, chocolate
Cake, pound, chocolate, fat free, cholesterol free
Cake, pound, fat free, cholesterol free
Cake, pound, reduced fat, cholesterol free
Cake, pound, with icing
Cake, pound, without icing
Cake, pumpkin, NS as to icing
Cake, pumpkin, with icing
Cake, pumpkin, without icing
Cake, Quezadilla, El Salvadorian style
Cake, raisin-nut, without icing
Cake, Ravani (made with farina)
Cake, rice flour, without icing
Cake, shortcake, biscuit type, with fruit
Cake, shortcake, biscuit type, with whipped cream and fruit
Cake, shortcake, sponge type, with fruit
Cake, shortcake, sponge type, with whipped cream and fruit
Cake, spice, NS as to icing
Cake, spice, with icing
Cake, spice, without icing
Cake, sponge, chocolate, with icing
Cake, sponge, chocolate, without icing
Cake, sponge, with icing
Cake, sponge, without icing
Cake, torte
Cake, upside down (all fruits)
Cake, white, eggless, lowfat
Cake, white, made from home recipe or purchased ready-to-eat, NS as to icing
Cake, white, pudding-type mix (oil, egg whites, and water added to dry mix), NS as to icing
Cake, white, pudding-type mix (oil, egg whites, and water added to dry mix), with icing
Cake, white, pudding-type mix (oil, egg whites, and water added to dry mix), without icing
Cake, white, standard-type mix (egg whites and water added to mix), with icing
Cake, white, standard-type mix (egg whites and water added to mix), without icing
Cake, white, standard-type mix (egg whites and water added), NS as to icing
Cake, white, with icing, made from home recipe or purchased ready-to-eat
Cake, white, without icing, made from home recipe or purchased ready-to-eat
Cake, yellow, made from home recipe or purchased ready-to- eat, NS as to icing
Cake, yellow, pudding-type mix (oil, eggs, and water added to dry mix), NS as to icing
Cake, yellow, pudding-type mix (oil, eggs, and water added to dry mix), with icing
Cake, yellow, pudding-type mix (oil, eggs, and water added to dry mix), without icing
Cake, yellow, standard-type mix (eggs and water added to dry mix), NS as to icing
Cake, yellow, standard-type mix (eggs and water added to dry mix), with icing
Cake, yellow, standard-type mix (eggs and water added to dry mix), without icing
Cake, yellow, with icing, made from home recipe or purchased ready-to-eat
Cake, yellow, without icing, made from home recipe or purchased ready-to-eat
Cake, zucchini, with icing
Cake, zucchini, without icing

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Calabaza (Spanish pumpkin), cooked
Calves liver, breaded, fried
Calves liver, cooked, NS as to cooking method
Calves liver, fried or broiled, no coating
Calzone, with cheese, meatless
Calzone, with meat and cheese
Canadian bacon, cooked
Candied ripe plantain, Puerto Rican style (Platano en almibar)
Candy, NFS
Cane and corn pancake syrup
Cannelloni, cheese- and spinach-filled, no sauce
Cannelloni, cheese-filled, with tomato sauce (diet frozen meal)
Canola, soybean and sunflower oil
Cantaloupe (muskmelon), raw
Cantaloupe nectar
Capicola
Cap'n Crunch
Cap'n Crunch's Crunch Berries
Cap'n Crunch's Deep Sea Crunch
Cap'n Crunch's Peanut Butter Crunch
Cappuccino
Cappuccino, decaffeinated
Carambola (starfruit), raw
Caramel with nuts, chocolate covered
Caramel, chocolate covered
Caramel, chocolate-flavored roll
Caramel, flavor other than chocolate
Caramel, with nuts
Carbonated citrus juice drink
Carbonated juice drink, NS as to type of juice
Carbonated noncitrus juice drink
Carbonated water, sugar-free
Carbonated water, sweetened
Carbonated water, unsweetened
Caribou, cooked
Carnation Alsoy, with iron, infant formula, NS as to form (formerly I-Soyalac)
Carnation Alsoy, with iron, infant formula, prepared from liquid concentrate (formerly I-Soyalac)
Carnation Alsoy, with iron, infant formula, prepared from powder (formerly I-Soyalac)
Carnation Alsoy, with iron, infant formula, ready-to-feed (formerly I-Soyalac)
Carnation Follow-Up, with iron, infant formula, NS as to form
Carnation Follow-Up, with iron, infant formula, prepared from liquid concentrate
Carnation Follow-Up, with iron, infant formula, prepared from powder
Carnation Follow-Up, with iron, infant formula, ready-to-feed
Carnation Good Start, with iron, infant formula, NS as to form
Carnation Good Start, with iron, infant formula, prepared from liquid concentrate
Carnation Good Start, with iron, infant formula, prepared from powder
Carnation Good Start, with iron, infant formula, ready-to-feed
Carob syrup
Carp, floured or breaded, fried
Carp, steamed or poached
Carrot juice
Carrot soup, cream of, prepared with milk
Carrots and beef, baby food, strained
Carrots and peas, baby food, strained
Carrots in tomato sauce
Carrots, baby food, junior
Carrots, baby food, NS as to strained or junior
Carrots, baby food, strained
Carrots, baby food, toddler
Carrots, canned, low sodium, fat not added in cooking
Carrots, cooked, from canned, fat added in cooking
Carrots, cooked, from canned, fat not added in cooking

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Carrots, cooked, from canned, glazed
Carrots, cooked, from canned, NS as to fat added in cooking
Carrots, cooked, from fresh, creamed
Carrots, cooked, from fresh, fat added in cooking
Carrots, cooked, from fresh, fat not added in cooking
Carrots, cooked, from fresh, glazed
Carrots, cooked, from fresh, NS as to fat added in cooking
Carrots, cooked, from fresh, with cheese sauce
Carrots, cooked, from frozen, fat added in cooking
Carrots, cooked, from frozen, fat not added in cooking
Carrots, cooked, from frozen, glazed
Carrots, cooked, from frozen, NS as to fat added in cooking
Carrots, cooked, from frozen, with cheese sauce
Carrots, cooked, NS as to form, creamed
Carrots, cooked, NS as to form, fat added in cooking
Carrots, cooked, NS as to form, fat not added in cooking
Carrots, cooked, NS as to form, glazed
Carrots, cooked, NS as to form, NS as to fat added in cooking
Carrots, raw
Carrots, raw, salad
Carrots, raw, salad with apples
Carry-out milk shake, chocolate
Carry-out milk shake, flavors other than chocolate
Casabe, cassava bread
Cashew butter
Cashew nuts, dry roasted
Cashew nuts, NFS
Cashew nuts, roasted (assume salted)
Cashew nuts, roasted, without salt
Cassaba melon, raw
Cassava (yuca blanca), cooked, fat not added in cooking
Cassava (yuca blanca), cooked, NS as to fat added in cooking
Catfish, baked or broiled
Catfish, battered, fried
Catfish, breaded or battered, baked
Catfish, floured or breaded, fried
Catfish, steamed or poached
Cauliflower soup, cream of, prepared with milk
Cauliflower, batter-dipped, fried
Cauliflower, cooked, from fresh, fat added in cooking
Cauliflower, cooked, from fresh, fat not added in cooking
Cauliflower, cooked, from fresh, NS as to fat added in cooking
Cauliflower, cooked, from frozen, fat added in cooking
Cauliflower, cooked, from frozen, fat not added in cooking
Cauliflower, cooked, from frozen, NS as to fat added in cooking
Cauliflower, cooked, NS as to form, fat added in cooking
Cauliflower, cooked, NS as to form, fat not added in cooking
Cauliflower, cooked, NS as to form, NS as to fat added in cooking
Cauliflower, from fresh, creamed
Cauliflower, from frozen, creamed
Cauliflower, NS as to form, creamed
Cauliflower, pickled
Cauliflower, raw
Celery juice
Celery seed dressing
Celery soup, cream of, canned, undiluted
Celery soup, cream of, NS as to made with milk or water
Celery soup, cream of, prepared with water
Celery, cooked, fat added in cooking
Celery, cooked, fat not added in cooking
Celery, cooked, NS as to fat added in cooking
Celery, raw

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Cereal beverage
Cereal beverage with beet roots, from powdered instant
Cereal, baby food, jarred, NFS
Cereal, cooked, NFS
Cereal, NFS
Cereal, ready-to-eat, NFS
Chalupa with beans, cheese, lettuce and tomato
Chalupa with beans, chicken, cheese, lettuce and tomato
Chard, cooked, fat not added in cooking
Chard, cooked, NS as to fat added in cooking
Cheddar cheese soup
Cheddar cheese soup, canned, undiluted
Cheerios
Cheese enchilada (frozen meal)
Cheese enchilada with beans and rice (frozen meal)
Cheese quiche, meatless
Cheese sandwich
Cheese sandwich, grilled
Cheese sandwich, hoagie
Cheese sauce
Cheese sauce made with lowfat cheese
Cheese souffle
Cheese spread, American or Cheddar cheese base
Cheese spread, American or Cheddar cheese base, lowfat, low sodium
Cheese spread, cream cheese or Neufchatel base
Cheese spread, NFS
Cheese spread, pressurized can
Cheese spread, Swiss cheese base
Cheese turnover, Puerto Rican style (Pastelillo de queso; Empandilla)
Cheese with nuts
Cheese, Blue or Roquefort
Cheese, Brick
Cheese, Brie
Cheese, Camembert
Cheese, Cheddar or American type, dry, grated
Cheese, Cheddar or American type, NS as to natural or processed
Cheese, Cheddar or Colby, low sodium
Cheese, Cheddar or Colby, low sodium, lowfat
Cheese, Cheddar or Colby, lowfat
Cheese, Colby
Cheese, Colby Jack
Cheese, cottage cheese, with gelatin dessert
Cheese, cottage cheese, with gelatin dessert and fruit
Cheese, cottage, creamed, large or small curd
Cheese, cottage, dry curd
Cheese, cottage, low sodium
Cheese, cottage, lowfat (1-2% fat)
Cheese, cottage, lowfat, low sodium
Cheese, cottage, lowfat, with fruit
Cheese, cottage, lowfat, with vegetables
Cheese, cottage, NFS
Cheese, cottage, salted, dry curd
Cheese, cottage, with fruit
Cheese, cream
Cheese, cream, lowfat
Cheese, Feta
Cheese, Fontina
Cheese, goat
Cheese, Gouda or Edam
Cheese, Gruyere
Cheese, Limburger
Cheese, Monterey

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Cheese, Monterey, lowfat
Cheese, Mozzarella, low sodium
Cheese, Mozzarella, NFS
Cheese, Mozzarella, nonfat or fat free
Cheese, Mozzarella, part skim
Cheese, Mozzarella, whole milk
Cheese, Muenster
Cheese, Muenster, lowfat
Cheese, natural, Cheddar or American type
Cheese, natural, NFS
Cheese, NFS
Cheese, nuggets or pieces, breaded, baked, or fried
Cheese, Parmesan, dry grated
Cheese, Parmesan, hard
Cheese, Parmesan, low sodium
Cheese, processed cheese food
Cheese, processed cheese product, American or Cheddar type, reduced fat
Cheese, processed cheese product, American or Cheddar type, reduced fat, reduced sodium
Cheese, processed cheese product, Swiss, reduced fat
Cheese, processed cream cheese product, nonfat or fat free
Cheese, processed, American and Swiss blends
Cheese, processed, American or Cheddar type
Cheese, processed, American or Cheddar type, low sodium
Cheese, processed, American or Cheddar type, lowfat
Cheese, processed, American or Cheddar type, nonfat or fat free
Cheese, processed, American, Cheddar, or Colby, lowfat, low sodium
Cheese, processed, Mozzarella, low sodium
Cheese, processed, Swiss
Cheese, processed, Swiss, low sodium
Cheese, processed, Swiss, lowfat
Cheese, processed, Swiss, lowfat, low sodium
Cheese, processed, with vegetables
Cheese, Provolone
Cheese, Provolone, reduced fat, reduced sodium
Cheese, Ricotta
Cheese, Semi-soft, low sodium
Cheese, Swiss
Cheese, Swiss, low sodium
Cheese, Swiss, lowfat
Cheese, yogurt, NFS
Cheeseburger (hamburger with cheese sauce), 1/4 lb meat, with grilled onions, on rye bun
Cheeseburger with mayonnaise or salad dressing, tomato and bacon, on bun
Cheeseburger with tomato and/or catsup, on bun
Cheeseburger, 1 oz meat, plain, on miniature bun
Cheeseburger, 1/4 lb meat, plain, on bun
Cheeseburger, 1/4 lb meat, with mayonnaise or salad dressing and tomatoes, on bun
Cheeseburger, 1/4 lb meat, with mayonnaise or salad dressing, on bun
Cheeseburger, 1/4 lb meat, with mushrooms in sauce, on bun
Cheeseburger, 1/4 lb meat, with tomato and/or catsup, on bun
Cheeseburger, plain, on bun
Cheeseburger, with mayonnaise or salad dressing and tomatoes, on bun
Cheeseburger, with mayonnaise or salad dressing, on bun
Cheesecake
Cheesecake with fruit
Cheesecake, chocolate
Cheesecake, chocolate, reduced fat
Cheesecake, diet
Cheesecake, diet, with fruit
Cherries, frozen
Cherries, maraschino
Cherries, sour, red, cooked, unsweetened
Cherries, sour, red, raw

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Cherries, sweet, cooked or canned, drained solids
Cherries, sweet, cooked or canned, in heavy syrup
Cherries, sweet, cooked or canned, in light syrup
Cherries, sweet, cooked or canned, juice pack
Cherries, sweet, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Cherries, sweet, raw (Queen Anne, Bing)
Cherry cobbler, baby food, junior
Cherry drink with vitamin C added
Cherry pie filling
Cherry vanilla pudding, baby food, strained
Chestnuts, roasted
Chewing gum, NFS
Chewing gum, sugared
Chewing gum, uncoated, sugarless
Chex cereal, NFS
Chicken a la king with rice (frozen meal)
Chicken and beef sausage, smoked
Chicken and mushroom soup, cream of, prepared with milk
Chicken and rice dinner, baby food, strained
Chicken and vegetable entree with noodles (diet frozen meal)
Chicken and vegetable entree with noodles (frozen meal)
Chicken and vegetable entree with noodles and cream sauce (frozen meal)
Chicken and vegetable entree with rice, Oriental (diet frozen meal)
Chicken and vegetable entree with rice, Oriental (frozen meal)
Chicken and vegetable entree, oriental (diet frozen meal)
Chicken and vegetables au gratin with rice-vegetable mixture (diet frozen entree)
Chicken and vegetables in cream or white sauce (diet frozen meal)
Chicken barbecue sandwich
Chicken breast, with or without bone, battered, fried, prepared skinless, coating not eaten
Chicken breast, with or without bone, breaded, baked or fried, prepared skinless, coating not eaten
Chicken broth, bouillion, or consomme, dry, not reconstituted
Chicken broth, canned, less or reduced sodium
Chicken broth, canned, low sodium
Chicken broth, with tomato, home recipe
Chicken broth, without tomato, home recipe
Chicken burritos (diet frozen meal)
Chicken cacciatore with noodles (diet frozen meal)
Chicken chow mein with rice (diet frozen meal)
Chicken chow mein with rice, reduced fat and sodium (diet frozen meal)
Chicken corn soup, home recipe
Chicken cornbread
Chicken curry
Chicken dinner, NFS (frozen meal)
Chicken divan (frozen meal)
Chicken egg foo yung
Chicken enchilada (diet frozen meal)
Chicken fajitas (diet frozen meal)
Chicken feet
Chicken fillet (breaded, fried) sandwich
Chicken fillet (breaded, fried) sandwich with lettuce, tomato and spread
Chicken fillet, (broiled), sandwich, on whole wheat roll, with lettuce, tomato and spread
Chicken fillet, broiled, sandwich with cheese, on bun, with lettuce, tomato and spread
Chicken fillet, broiled, sandwich, on oat bran bun, with lettuce, tomato, spread
Chicken fillet, broiled, sandwich, with lettuce, tomato, and non-mayonnaise type spread
Chicken frankfurter or hot dog, plain, on bun
Chicken gumbo soup
Chicken in barbecue sauce, with rice, vegetable and dessert, reduced fat and sodium (diet frozen meal)
Chicken in butter sauce with potatoes and vegetable (diet frozen meal)
Chicken in cheese sauce with Spanish rice
Chicken in cream sauce with noodles and vegetable (frozen meal)
Chicken in cream sauce, with brown and wild rice, vegetable, and fruit dessert (diet frozen meal)
Chicken in mushroom sauce, white and wild rice, vegetable (frozen meal)

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Chicken in orange sauce with almond rice (diet frozen meal)
Chicken in soy-based sauce, rice and vegetables (frozen meal)
Chicken kiev
Chicken liver, battered, fried
Chicken liver, braised
Chicken liver, breaded, fried
Chicken liver, cooked, NS as to cooking method
Chicken liver, fried or sauteed, no coating
Chicken noodle dinner, baby food, junior
Chicken noodle dinner, baby food, NS as to strained or junior
Chicken noodle dinner, baby food, strained
Chicken noodle soup
Chicken noodle soup, canned, low sodium, ready-to-serve
Chicken noodle soup, canned, reduced sodium, ready-to-serve
Chicken noodle soup, canned, undiluted
Chicken noodle soup, chunky style
Chicken noodle soup, cream of
Chicken noodle soup, home recipe
Chicken nuggets
Chicken or turkey a la king with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), cream, white, or soup-based sauce
Chicken or turkey a la king with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), cream, white, or soup-based sauce
Chicken or turkey and noodles with (mushroom) soup (mixture)
Chicken or turkey and noodles with cheese sauce (mixture)
Chicken or turkey and noodles with cream or white sauce (mixture)
Chicken or turkey and noodles with gravy (mixture)
Chicken or turkey and noodles, no sauce (mixture)
Chicken or turkey and noodles, tomato-based sauce (mixture)
Chicken or turkey and potatoes with gravy (mixture)
Chicken or turkey and rice with (mushroom) soup (mixture)
Chicken or turkey and rice with cream sauce (mixture)
Chicken or turkey and rice with soy-based sauce (mixture)
Chicken or turkey and rice with tomato-based sauce (mixture)
Chicken or turkey and rice, no sauce (mixture)
Chicken or turkey and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), cheese sauce (mixture)
Chicken or turkey and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), gravy (mixture)
Chicken or turkey and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), no sauce (mixture)
Chicken or turkey and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)
Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), cheese sauce (mixture)
Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), gravy (mixture)
Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), no sauce (mixture)
Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)
Chicken or turkey cacciatore
Chicken or turkey cake, patty, or croquette
Chicken or turkey chow mein or chop suey with noodles
Chicken or turkey chow mein or chop suey, no noodles
Chicken or turkey cordon bleu
Chicken or turkey divan
Chicken or turkey fricassee
Chicken or turkey garden salad (chicken and/or turkey, other vegetables excluding tomato and carrots), no dressing
Chicken or turkey garden salad (chicken and/or turkey, tomato and/or carrots, other vegetables), no dressing
Chicken or turkey hash
Chicken or turkey loaf, prepackaged or deli, luncheon meat
Chicken or turkey parmigiana
Chicken or turkey pot pie
Chicken or turkey rice soup, home recipe
Chicken or turkey salad
Chicken or turkey salad with egg
Chicken or turkey soup, cream of, canned, made with milk, reduced sodium
Chicken or turkey soup, cream of, canned, made with water, reduced sodium
Chicken or turkey soup, cream of, canned, undiluted

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Chicken or turkey soup, cream of, NS as to prepared with milk or water
Chicken or turkey soup, cream of, prepared with milk
Chicken or turkey soup, cream of, prepared with water
Chicken or turkey stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy
Chicken or turkey stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato- based sauce
Chicken or turkey stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy
Chicken or turkey stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce
Chicken or turkey teriyaki (chicken or turkey with soy-based sauce)
Chicken or turkey tetrazzini
Chicken or turkey vegetable soup, home recipe
Chicken or turkey vegetable soup, stew type
Chicken or turkey with (mushroom) soup (mixture)
Chicken or turkey with barbecue sauce (mixture)
Chicken or turkey with cheese sauce (mixture)
Chicken or turkey with cream sauce (mixture)
Chicken or turkey with dumplings (mixture)
Chicken or turkey with stuffing (mixture)
Chicken or turkey, dumplings, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy (mixture)
Chicken or turkey, dumplings, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy (mixture)
Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), cheese sauce (mixture)
Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), cream or white sauce (mixture)
Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)
Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), no sauce (mixture)
Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce (mixture)
Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and/or dark-green leafy), cream, white, or (mushroom) soup-based sauce (mixture)
Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), cheese sauce (mixture)
Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), cream or white sauce (mixture)
Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), cream, white, or (mushroom) soup-based sauce (mixture)
Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)
Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), no sauce (mixture)
Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)
Chicken or turkey, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), no sauce (mixture)
Chicken or turkey, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), no sauce (mixture)
Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), (mushroom) soup (mixture)
Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), cheese sauce (mixture)
Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)
Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), no sauce (mixture)
Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), soy-based sauce (mixture)
Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce (mixture)
Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), (mushroom) soup (mixture)
Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), cheese sauce (mixture)
Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)
Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), no sauce (mixture)
Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), soy-based sauce (mixture)
Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)
Chicken or turkey, stuffing, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)
Chicken or turkey, stuffing, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)
Chicken or turkey,stuffing, and vegetables (excluding carrots, broccoli, and dark green leafy), no sauce (mixture)
Chicken patty sandwich or biscuit
Chicken patty sandwich with cheese, on wheat bun, with lettuce, tomato and spread
Chicken patty sandwich, miniature, with spread
Chicken patty sandwich, with lettuce and spread
Chicken patty with cheese, breaded, cooked
Chicken patty with vegetable (diet frozen meal)
Chicken patty, breaded, with tomato sauce and cheese, fettuccine alfredo, vegetable (frozen meal)
Chicken patty, fillet, or tenders, breaded, cooked
Chicken patty, or nuggets, boneless, breaded, potatoes, vegetable (frozen meal)
Chicken patty, or nuggets, boneless, breaded, with pasta and tomato sauce, fruit, dessert (frozen meal)
Chicken rice soup
Chicken rice soup, canned, reduced sodium, prepared with milk

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Chicken rice soup, canned, reduced sodium, prepared with water or ready-to-serve
Chicken rice soup, Puerto Rican style (Sopa de pollo con arroz)
Chicken salad or chicken spread sandwich
Chicken salad spread
Chicken sandwich, with spread
Chicken skin
Chicken soup
Chicken soup with dumplings
Chicken soup with dumplings and potatoes
Chicken soup with noodles and potatoes, Puerto Rican style
Chicken soup with vegetables (broccoli, carrots, celery, potatoes and onions), Oriental style
Chicken soup with vegetables and fruit, Oriental Style
Chicken soup, baby food
Chicken stick, baby food
Chicken teriyaki with rice, vegetable (frozen meal)
Chicken vegetable soup with noodles, stew type, chunky style
Chicken vegetable soup with potato and cheese, chunky style
Chicken vegetable soup with rice, Mexican style (Sopa / Caldo de Pollo)
Chicken vegetable soup with rice, stew type, chunky style
Chicken wing with hot pepper sauce
Chicken with gravy (mixture)
Chicken with noodles and cheese sauce (diet frozen meal)
Chicken with rice and vegetable, reduced fat and sodium (diet frozen meal)
Chicken with rice-vegetable mixture (diet frozen meal)
Chicken, baby food, junior
Chicken, baby food, strained
Chicken, back, with or without bone, battered, fried, prepared with skin, skin/coating eaten
Chicken, back, with or without bone, breaded, baked or fried, prepared with skin, skin/coating eaten
Chicken, back, with or without bone, broiled, skin eaten
Chicken, back, with or without bone, floured, baked or fried, prepared with skin, skin/coating eaten
Chicken, back, with or without bone, floured, baked or fried, prepared with skin, skin/coating not eaten
Chicken, back, with or without bone, fried, no coating, skin eaten
Chicken, back, with or without bone, fried, no coating, skin not eaten
Chicken, back, with or without bone, NS as to cooking method, skin eaten
Chicken, back, with or without bone, roasted, skin eaten
Chicken, back, with or without bone, roasted, skin not eaten
Chicken, back, with or without bone, stewed, skin eaten
Chicken, back, with or without bone, stewed, skin not eaten
Chicken, boneless, NS as to part and cooking method, light or dark meat, NS as to skin eaten
Chicken, boneless, NS as to part and cooking method, light or dark meat, skin not eaten
Chicken, boneless, NS as to part, battered, fried, light or dark meat, prepared with skin, NS as to skin/coating eaten
Chicken, boneless, NS as to part, battered, fried, light or dark meat, prepared with skin, skin/coating eaten
Chicken, boneless, NS as to part, battered, fried, light or dark meat, prepared with skin, skin/coating not eaten
Chicken, boneless, NS as to part, breaded, baked or fried, light or dark meat, prepared skinless, coating eaten
Chicken, boneless, NS as to part, breaded, baked or fried, light or dark meat, prepared skinless, NS as to coating eaten
Chicken, boneless, NS as to part, breaded, baked or fried, light or dark meat, prepared with skin, NS as to skin/coating eaten
Chicken, boneless, NS as to part, broiled, light or dark meat, NS as to skin eaten
Chicken, boneless, NS as to part, broiled, light or dark meat, skin eaten
Chicken, boneless, NS as to part, broiled, light or dark meat, skin not eaten
Chicken, boneless, NS as to part, floured, baked or fried, light or dark meat, prepared with skin, NS as to skin/coating eaten
Chicken, boneless, NS as to part, floured, baked or fried, light or dark meat, prepared with skin, skin/coating eaten
Chicken, boneless, NS as to part, floured, baked or fried, light or dark meat, prepared with skin, skin/coating not eaten
Chicken, boneless, NS as to part, fried, no coating, light or dark meat, NS as to skin eaten
Chicken, boneless, NS as to part, fried, no coating, light or dark meat, skin eaten
Chicken, boneless, NS as to part, fried, no coating, light or dark meat, skin not eaten
Chicken, boneless, NS as to part, roasted, light or dark meat, NS as to skin eaten
Chicken, boneless, NS as to part, roasted, light or dark meat, skin eaten
Chicken, boneless, NS as to part, roasted, light or dark meat, skin not eaten
Chicken, boneless, NS as to part, stewed, light or dark meat, NS as to skin eaten
Chicken, boneless, NS as to part, stewed, light or dark meat, skin eaten
Chicken, boneless, NS as to part, stewed, light or dark meat, skin not eaten
Chicken, boneless, with gravy, dressing, rice, vegetable, dessert (frozen meal, large meat portion)

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Chicken, breast, with or without bone, battered, fried, prepared skinless, coating eaten
Chicken, breast, with or without bone, battered, fried, prepared skinless, NS as to coating eaten
Chicken, breast, with or without bone, battered, fried, prepared with skin, NS as to skin/coating eaten
Chicken, breast, with or without bone, battered, fried, prepared with skin, skin/coating eaten
Chicken, breast, with or without bone, battered, fried, prepared with skin, skin/coating not eaten
Chicken, breast, with or without bone, breaded, baked or fried, prepared skinless, coating eaten
Chicken, breast, with or without bone, breaded, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, breast, with or without bone, breaded, baked or fried, prepared with skin, skin/coating eaten
Chicken, breast, with or without bone, breaded, baked or fried, prepared with skin, skin/coating not eaten
Chicken, breast, with or without bone, broiled, NS as to skin eaten
Chicken, breast, with or without bone, broiled, skin eaten
Chicken, breast, with or without bone, broiled, skin not eaten
Chicken, breast, with or without bone, floured, baked or fried, prepared skinless, NS as to coating eaten
Chicken, breast, with or without bone, floured, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, breast, with or without bone, floured, baked or fried, prepared with skin, skin/coating eaten
Chicken, breast, with or without bone, floured, baked or fried, prepared with skin, skin/coating not eaten
Chicken, breast, with or without bone, fried, no coating, NS as to skin eaten
Chicken, breast, with or without bone, fried, no coating, skin eaten
Chicken, breast, with or without bone, fried, no coating, skin not eaten
Chicken, breast, with or without bone, NS as to cooking method, NS as to skin eaten
Chicken, breast, with or without bone, NS as to cooking method, skin eaten
Chicken, breast, with or without bone, NS as to cooking method, skin not eaten
Chicken, breast, with or without bone, roasted, NS as to skin eaten
Chicken, breast, with or without bone, roasted, skin eaten
Chicken, breast, with or without bone, roasted, skin not eaten
Chicken, breast, with or without bone, stewed, NS as to skin eaten
Chicken, breast, with or without bone, stewed, skin eaten
Chicken, breast, with or without bone, stewed, skin not eaten
Chicken, broth, bouillon, or consomme
Chicken, canned, meat only, dark meat
Chicken, canned, meat only, light and dark meat
Chicken, canned, meat only, light meat
Chicken, canned, meat only, NS as to light or dark meat
Chicken, chicken roll, roasted, NS as to light or dark meat
Chicken, drumstick, with or without bone, battered, fried, prepared with skin, NS as to skin/coating eaten
Chicken, drumstick, with or without bone, battered, fried, prepared with skin, skin/coating eaten
Chicken, drumstick, with or without bone, battered, fried, prepared with skin, skin/coating not eaten
Chicken, drumstick, with or without bone, breaded, baked or fried, prepared skinless, coating eaten
Chicken, drumstick, with or without bone, breaded, baked or fried, prepared skinless, coating not eaten
Chicken, drumstick, with or without bone, breaded, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, drumstick, with or without bone, breaded, baked or fried, prepared with skin, skin/coating eaten
Chicken, drumstick, with or without bone, breaded, baked or fried, prepared with skin, skin/coating not eaten
Chicken, drumstick, with or without bone, broiled, NS as to skin eaten
Chicken, drumstick, with or without bone, broiled, skin eaten
Chicken, drumstick, with or without bone, broiled, skin not eaten
Chicken, drumstick, with or without bone, floured, baked or fried, prepared skinless, coating eaten
Chicken, drumstick, with or without bone, floured, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, drumstick, with or without bone, floured, baked or fried, prepared with skin, skin/coating eaten
Chicken, drumstick, with or without bone, floured, baked or fried, prepared with skin, skin/coating not eaten
Chicken, drumstick, with or without bone, fried, no coating, NS as to skin eaten
Chicken, drumstick, with or without bone, fried, no coating, skin eaten
Chicken, drumstick, with or without bone, fried, no coating, skin not eaten
Chicken, drumstick, with or without bone, NS as to cooking method, NS as to skin eaten
Chicken, drumstick, with or without bone, NS as to cooking method, skin eaten
Chicken, drumstick, with or without bone, NS as to cooking method, skin not eaten
Chicken, drumstick, with or without bone, roasted, NS as to skin eaten
Chicken, drumstick, with or without bone, roasted, skin eaten
Chicken, drumstick, with or without bone, roasted, skin not eaten
Chicken, drumstick, with or without bone, stewed, NS as to skin eaten
Chicken, drumstick, with or without bone, stewed, skin eaten
Chicken, drumstick, with or without bone, stewed, skin not eaten
Chicken, fried in honey sauce, with Oriental style rice and vegetables, in soy-based sauce (frozen meal)

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Chicken, fried, with potatoes (frozen meal)
Chicken, fried, with potatoes (frozen meal, large meat portion)
Chicken, fried, with potatoes, vegetable (frozen meal)
Chicken, fried, with potatoes, vegetable, dessert (frozen meal)
Chicken, fried, with potatoes, vegetable, dessert (frozen meal, large meat portion)
Chicken, ground
Chicken, leg (drumstick and thigh), with or without bone, battered, fried, prepared with skin, NS as to skin/coating eaten
Chicken, leg (drumstick and thigh), with or without bone, battered, fried, prepared with skin, skin/coating eaten
Chicken, leg (drumstick and thigh), with or without bone, battered, fried, prepared with skin, skin/coating not eaten
Chicken, leg (drumstick and thigh), with or without bone, breaded, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, leg (drumstick and thigh), with or without bone, breaded, baked or fried, prepared with skin, skin/coating eaten
Chicken, leg (drumstick and thigh), with or without bone, breaded, baked or fried, prepared with skin, skin/coating not eaten
Chicken, leg (drumstick and thigh), with or without bone, broiled, NS as to skin eaten
Chicken, leg (drumstick and thigh), with or without bone, broiled, skin eaten
Chicken, leg (drumstick and thigh), with or without bone, broiled, skin not eaten
Chicken, leg (drumstick and thigh), with or without bone, floured, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, leg (drumstick and thigh), with or without bone, floured, baked or fried, prepared with skin, skin/coating eaten
Chicken, leg (drumstick and thigh), with or without bone, floured, baked or fried, prepared with skin, skin/coating not eaten
Chicken, leg (drumstick and thigh), with or without bone, fried, no coating, NS as to skin eaten
Chicken, leg (drumstick and thigh), with or without bone, fried, no coating, skin eaten
Chicken, leg (drumstick and thigh), with or without bone, fried, no coating, skin not eaten
Chicken, leg (drumstick and thigh), with or without bone, NS as to cooking method, NS as to skin eaten
Chicken, leg (drumstick and thigh), with or without bone, NS as to cooking method, skin eaten
Chicken, leg (drumstick and thigh), with or without bone, NS as to cooking method, skin not eaten
Chicken, leg (drumstick and thigh), with or without bone, roasted, NS as to skin eaten
Chicken, leg (drumstick and thigh), with or without bone, roasted, skin eaten
Chicken, leg (drumstick and thigh), with or without bone, roasted, skin not eaten
Chicken, leg (drumstick and thigh), with or without bone, stewed, NS as to skin eaten
Chicken, leg (drumstick and thigh), with or without bone, stewed, skin eaten
Chicken, leg (drumstick and thigh), with or without bone, stewed, skin not eaten
Chicken, meatless, breaded, fried
Chicken, neck or ribs, with or without bone, floured, baked or fried, prepared with skin, skin/coating not eaten
Chicken, neck or ribs, with or without bone, NS as to cooking method, NS as to skin eaten
Chicken, noodles, and vegetables, baby food, toddler
Chicken, thigh, with or without bone, battered, fried, prepared skinless, coating eaten
Chicken, thigh, with or without bone, battered, fried, prepared skinless, coating not eaten
Chicken, thigh, with or without bone, battered, fried, prepared with skin, NS as to skin/coating eaten
Chicken, thigh, with or without bone, battered, fried, prepared with skin, skin/coating eaten
Chicken, thigh, with or without bone, battered, fried, prepared with skin, skin/coating not eaten
Chicken, thigh, with or without bone, breaded, baked or fried, prepared skinless, coating eaten
Chicken, thigh, with or without bone, breaded, baked or fried, prepared skinless, coating not eaten
Chicken, thigh, with or without bone, breaded, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, thigh, with or without bone, breaded, baked or fried, prepared with skin, skin/coating eaten
Chicken, thigh, with or without bone, breaded, baked or fried, prepared with skin, skin/coating not eaten
Chicken, thigh, with or without bone, broiled, NS as to skin eaten
Chicken, thigh, with or without bone, broiled, skin eaten
Chicken, thigh, with or without bone, broiled, skin not eaten
Chicken, thigh, with or without bone, floured, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, thigh, with or without bone, floured, baked or fried, prepared with skin, skin/coating eaten
Chicken, thigh, with or without bone, floured, baked or fried, prepared with skin, skin/coating not eaten
Chicken, thigh, with or without bone, fried, no coating, NS as to skin eaten
Chicken, thigh, with or without bone, fried, no coating, skin eaten
Chicken, thigh, with or without bone, fried, no coating, skin not eaten
Chicken, thigh, with or without bone, NS as to cooking method, NS as to skin eaten
Chicken, thigh, with or without bone, NS as to cooking method, skin eaten
Chicken, thigh, with or without bone, NS as to cooking method, skin not eaten
Chicken, thigh, with or without bone, roasted, NS as to skin eaten
Chicken, thigh, with or without bone, roasted, skin eaten
Chicken, thigh, with or without bone, roasted, skin not eaten
Chicken, thigh, with or without bone, smoked, skin eaten
Chicken, thigh, with or without bone, smoked, skin not eaten
Chicken, thigh, with or without bone, stewed, NS as to skin eaten

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Chicken, thigh, with or without bone, stewed, skin eaten
Chicken, thigh, with or without bone, stewed, skin not eaten
Chicken, wing, with or without bone, battered, fried, prepared with skin, NS as to skin/coating eaten
Chicken, wing, with or without bone, battered, fried, prepared with skin, skin/coating eaten
Chicken, wing, with or without bone, battered, fried, prepared with skin, skin/coating not eaten
Chicken, wing, with or without bone, breaded, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, wing, with or without bone, breaded, baked or fried, prepared with skin, skin/coating eaten
Chicken, wing, with or without bone, breaded, baked or fried, prepared with skin, skin/coating not eaten
Chicken, wing, with or without bone, broiled, NS as to skin eaten
Chicken, wing, with or without bone, broiled, skin eaten
Chicken, wing, with or without bone, broiled, skin not eaten
Chicken, wing, with or without bone, floured, baked or fried, prepared with skin, NS as to skin/coating eaten
Chicken, wing, with or without bone, floured, baked or fried, prepared with skin, skin/coating eaten
Chicken, wing, with or without bone, floured, baked or fried, prepared with skin, skin/coating not eaten
Chicken, wing, with or without bone, fried, no coating, NS as to skin eaten
Chicken, wing, with or without bone, fried, no coating, skin eaten
Chicken, wing, with or without bone, fried, no coating, skin not eaten
Chicken, wing, with or without bone, NS as to cooking method, NS as to skin eaten
Chicken, wing, with or without bone, NS as to cooking method, skin eaten
Chicken, wing, with or without bone, NS as to cooking method, skin not eaten
Chicken, wing, with or without bone, roasted, NS as to skin eaten
Chicken, wing, with or without bone, roasted, skin eaten
Chicken, wing, with or without bone, roasted, skin not eaten
Chicken, wing, with or without bone, stewed, NS as to skin eaten
Chicken, wing, with or without bone, stewed, skin eaten
Chicken, wing, with or without bone, stewed, skin not eaten
Chicken, with bone, NS as to part and cooking method, light or dark meat, NS as to skin eaten
Chicken, with bone, NS as to part, battered, fried, light or dark meat, prepared with skin, NS as to skin/coating eaten
Chicken, with bone, NS as to part, battered, fried, light or dark meat, prepared with skin, skin/coating eaten
Chicken, with bone, NS as to part, breaded, baked or fried, light or dark meat, prepared with skin, skin/coating eaten
Chicken, with bone, NS as to part, broiled, light or dark meat, NS as to skin eaten
Chicken, with bone, NS as to part, broiled, light or dark meat, skin eaten
Chicken, with bone, NS as to part, broiled, light or dark meat, skin not eaten
Chicken, with bone, NS as to part, floured, baked or fried, light or dark meat, prepared with skin, NS as to skin/coating eaten
Chicken, with bone, NS as to part, floured, baked or fried, light or dark meat, prepared with skin, skin/coating not eaten
Chicken, with bone, NS as to part, roasted, light or dark meat, NS as to skin eaten
Chicken, with bone, NS as to part, roasted, light or dark meat, skin eaten
Chicken, with bone, NS as to part, roasted, light or dark meat, skin not eaten
Chicken, with bone, NS as to part, stewed, light or dark meat, NS as to skin eaten
Chicken, with bone, NS as to part, stewed, light or dark meat, skin not eaten
Chickpeas stewed with pig's feet, Puerto Rican style (Garbanzos guisados con patitos de cerdo)
Chickpeas, dry, cooked, fat not added in cooking
Chickpeas, dry, cooked, NS as to fat added in cooking
Chilaquiles, tortilla casserole with salsa and cheese, no egg
Chilaquiles, tortilla casserole with salsa, cheese, and egg
Chiles rellenos, cheese-filled (stuffed chili peppers)
Chiles rellenos, filled with meat and cheese (stuffed chili peppers)
Chili beans, barbecue beans, ranch style beans or Mexican- style beans
Chili beef soup
Chili beef soup, chunky style
Chili con carne with beans
Chili con carne with beans and cheese
Chili con carne with beans and macaroni
Chili con carne with beans and rice
Chili con carne with chicken or turkey and beans
Chili con carne with venison and beans
Chili con carne without beans
Chili con carne, NS as to beans
Chili con carne, NS as to beans, with cheese
Chimichanga with beans and cheese, meatless, with lettuce and tomato
Chimichanga with beef and rice
Chimichanga with beef and tomato

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Chimichanga with beef, beans, lettuce and tomato
Chimichanga with beef, cheese, lettuce and tomato
Chimichanga with chicken and cheese
Chimichanga with chicken, sour cream, lettuce and tomato, no cheese
Chimichanga, NFS
Chitterlings, cooked
Chives, raw
Chocolate flavored frosted puffed corn cereal
Chocolate gravy
Chocolate syrup, lowfat milk added
Chocolate syrup, milk added, NS as to type of milk
Chocolate syrup, reduced fat milk added
Chocolate syrup, skim milk added
Chocolate syrup, thin type
Chocolate syrup, thin type, light
Chocolate syrup, whole milk added
Chocolate, milk, plain
Chocolate, milk, with almonds
Chocolate, milk, with cereal
Chocolate, milk, with fruit and nuts
Chocolate, milk, with nuts, not almond or peanuts
Chocolate, milk, with peanuts
Chocolate, semi-sweet morsel
Chocolate, sweet or dark
Chocolate, white
Chocolate, white, with almonds
Chocolate, white, with cereal
Chocolate-flavored drink, whey- and milk-based
Chocolate-flavored soda
Chocolate-flavored soda, sugar-free
Chocolate-flavored sprinkles
Chop suey, meatless
Chorizos
Chow fun noodles with meat and vegetables
Chow fun noodles with vegetables, meatless
Chow fun rice noodles, cooked, fat added in cooking
Chow fun rice noodles, cooked, fat not added in cooking
Chow fun rice noodles, cooked, NS as to fat added in cooking
Chow mein or chop suey, NS as to type of meat, no noodles
Chow mein or chop suey, NS as to type of meat, with noodles
Chow mein or chop suey, various types of meat, with noodles
Christophine, cooked, fat not added in cooking
Chunky pea and ham soup
Churros
Chutney
Cilantro, raw
Cinnamon Grahams, General Mills
Cinnamon Toast Crunch
Citrus drink with vitamin C added
Citrus fruit juice drink
Citrus juice drink, low calorie
Clam cake or patty
Clam chowder, Manhattan
Clam chowder, New England, canned, reduced sodium, ready-to-serve
Clam chowder, New England, NS as to prepared with water or milk
Clam chowder, New England, prepared with milk
Clam chowder, New England, prepared with water
Clam chowder, NS as to Manhattan or New England style
Clam sauce, white
Clams Casino
Clams, baked or broiled
Clams, battered, fried

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Clams, canned
Clams, floured or breaded, fried
Clams, raw
Clams, steamed or boiled
Clams, stuffed
Clusters
Cobbler, apple
Cobbler, berry
Cobbler, cherry
Cobbler, peach
Cobbler, pineapple
Cocktail sauce
Cocktail, NFS
Cocoa (or chocolate) flavored beverage powder with low calorie sweetener, dry mix, not reconstituted
Cocoa (or chocolate) flavored beverage powder with sugar, dry mix, not reconstituted
Cocoa (or chocolate) with dry milk and sugar, dry mix, not reconstituted
Cocoa and sugar mixture, lowfat milk added
Cocoa and sugar mixture, milk added, NS as to type of milk
Cocoa and sugar mixture, reduced fat milk added
Cocoa and sugar mixture, skim milk added
Cocoa and sugar mixture, whole milk added
Cocoa Blasts, Quaker
Cocoa Frosted Flakes, Kellogg's
Cocoa Krispies
Cocoa Pebbles
Cocoa powder with nonfat dry milk and low calorie sweetener, dry mix, not reconstituted
Cocoa powder, not reconstituted (no dry milk)
Cocoa Puffs
Cocoa with nonfat dry milk and low calorie sweetener, mixture, water added
Cocoa, hot chocolate, not from dry mix, made with whole milk
Cocoa, sugar, and dry milk mixture, water added
Cocoa, whey, and low-calorie sweetener mixture, lowfat milk added
Cocoa, whey, and low-calorie sweetener mixture, not reconstituted
Coconut beverage, Puerto Rican
Coconut candy, chocolate covered
Coconut candy, no chocolate covering
Coconut cream (liquid expressed from grated coconut meat), canned, sweetened
Coconut custard, Puerto Rican style (Flan de coco)
Coconut meat, dried, sweetened
Coconut meat, fresh
Coconut milk (liquid expressed from grated coconut meat, water added)
Coconut oil
Cod with vegetable (diet frozen meal)
Cod, baked or broiled
Cod, battered, fried
Cod, breaded or battered, baked
Cod, dried, salted, salt removed in water
Cod, floured or breaded, fried
Cod, steamed or poached
Codfish ball or cake
Codfish fritter, Puerto Rican style (Bacalaito)
Codfish with starchy vegetables, Puerto Rican style (Serenata de bacalao) (mixture)
Coffee and chicory, dry instant powder
Coffee and chicory, made from ground
Coffee and chicory, NS as to ground or instant
Coffee and cocoa (mocha) mix, dry instant powder, with whitener and low calorie sweetener, decaffeinated
Coffee and cocoa (mocha), made from powdered instant mix, with whitener and low calorie sweetener
Coffee and cocoa (mocha), made from powdered instant mix, with whitener and low calorie sweetener, decaffeinated
Coffee and cocoa (mocha), made from powdered instant mix, with whitener, presweetened
Coffee cake, crumb or quick-bread type
Coffee cake, crumb or quick-bread type, cheese-filled
Coffee cake, crumb or quick-bread type, custard filled

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Coffee cake, crumb or quick-bread type, reduced fat, cholesterol free
Coffee cake, crumb or quick-bread type, with fruit
Coffee cake, crumb or quick-bread type, with icing
Coffee cake, NFS
Coffee cake, yeast type
Coffee cake, yeast type, fat free, cholesterol free, with fruit
Coffee cake, yeast type, made from home recipe or purchased at a bakery
Coffee, acid neutralized, from powdered instant
Coffee, Cuban
Coffee, decaffeinated, and chicory, made from powdered instant
Coffee, decaffeinated, made from ground
Coffee, decaffeinated, made from powdered instant
Coffee, decaffeinated, NS as to ground or instant
Coffee, decaffeinated, with cereal
Coffee, dry instant powder, decaffeinated
Coffee, dry instant powder, NS as to regular or decaffeinated
Coffee, dry instant powder, regular
Coffee, dry instant powder, with whitener and low calorie sweetener
Coffee, dry instant powder, with whitener and sugar
Coffee, dry, acid neutralized
Coffee, espresso
Coffee, espresso, decaffeinated
Coffee, latte
Coffee, liquid concentrate
Coffee, made from ground, equal parts regular and decaffeinated
Coffee, made from ground, regular
Coffee, made from ground, regular, flavored
Coffee, made from liquid concentrate
Coffee, made from powdered instant mix, presweetened, no whitener
Coffee, made from powdered instant mix, with whitener and low calorie sweetener
Coffee, made from powdered instant mix, with whitener and sugar, instant
Coffee, made from powdered instant, 50% less caffeine
Coffee, made from powdered instant, regular
Coffee, NS as to type
Coffee, pre-lightened, no sugar
Coffee, presweetened with sugar
Coffee, presweetened with sugar, pre-lightened
Coffee, regular, NS as to ground or instant
Cola with fruit or vanilla flavor
Cola with fruit or vanilla flavor, sugar-free
Cold cut, NFS
Coleslaw dressing
Coleslaw dressing, reduced calorie
Collards, cooked, from canned, fat added in cooking
Collards, cooked, from canned, fat not added in cooking
Collards, cooked, from canned, NS as to fat added in cooking
Collards, cooked, from fresh, fat added in cooking
Collards, cooked, from fresh, fat not added in cooking
Collards, cooked, from fresh, NS as to fat added in cooking
Collards, cooked, from frozen, fat not added in cooking
Collards, cooked, NS as to form, NS as to fat added in cooking
Common Sense Oat Bran, plain
Common Sense Oat Bran, with raisins
Complete Bran Flakes, Kellogg's (formerly 40% Bran Flakes, Kellogg's)
Conch, baked or broiled
Cookie bar, with chocolate, nuts, and graham crackers
Cookie, almond
Cookie, applesauce
Cookie, baby
Cookie, batter or dough, raw, not chocolate
Cookie, biscotti (Italian sugar cookie)
Cookie, brownie, diet, NS as to icing

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Cookie, brownie, fat free, cholesterol free, with icing
Cookie, brownie, fat free, without icing
Cookie, brownie, lowfat, with icing
Cookie, brownie, lowfat, without icing
Cookie, brownie, NS as to icing
Cookie, brownie, with cream cheese filling, without icing
Cookie, brownie, with icing
Cookie, brownie, with peanut butter fudge icing
Cookie, brownie, without icing
Cookie, butter or sugar cookie
Cookie, butter or sugar cookie, with fruit and/or nuts
Cookie, butter or sugar, iced, with icing other than chocolate
Cookie, butter or sugar, with chocolate icing or filling
Cookie, butterscotch chip
Cookie, butterscotch, brownie
Cookie, caramel coated, with nuts
Cookie, carob
Cookie, chocolate and vanilla sandwich
Cookie, chocolate chip
Cookie, chocolate chip sandwich
Cookie, chocolate chip, made from home recipe or purchased at a bakery
Cookie, chocolate chip, reduced fat
Cookie, chocolate chip, with raisins
Cookie, chocolate fudge, with/without nuts
Cookie, chocolate sandwich, reduced fat
Cookie, chocolate wafer
Cookie, chocolate, chocolate sandwich or chocolate-coated or striped
Cookie, chocolate, made with oatmeal and coconut (no-bake)
Cookie, chocolate, made with rice cereal (no-bake)
Cookie, chocolate, sandwich, with extra filling
Cookie, chocolate, with chocolate filling or coating, fat free
Cookie, chocolate-covered marshmallow
Cookie, chocolate-covered, chocolate sandwich
Cookie, chocolate-covered, sugar wafer, creme- or caramel-filled
Cookie, coconut
Cookie, cone shell, ice cream type, brown sugar
Cookie, cone shell, ice cream type, wafer or cake
Cookie, date bar
Cookie, dietetic, chocolate chip
Cookie, dietetic, NFS
Cookie, dietetic, oatmeal with raisins
Cookie, dietetic, sandwich type
Cookie, dietetic, sugar or plain
Cookie, fig bar
Cookie, fig bar, fat free
Cookie, fortune
Cookie, fruit, baby
Cookie, fruit-filled bar
Cookie, fruit-filled bar, fat free
Cookie, gingersnaps
Cookie, graham cracker sandwich with chocolate and marshmallow filling
Cookie, graham cracker with marshmallow
Cookie, granola
Cookie, ladyfinger
Cookie, Lebkuchen
Cookie, lemon bar
Cookie, lemon wafer, lowfat
Cookie, macaroon, coconut-meringue type, no flour
Cookie, marshmallow and peanut butter, with oat cereal (no-bake)
Cookie, marshmallow pie, chocolate covered
Cookie, marshmallow pies, non-chocolate coating
Cookie, marshmallow, with coconut

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Cookie, marshmallow, with rice cereal (no-bake)
Cookie, marshmallow, with rice cereal and chocolate chips
Cookie, meringue
Cookie, molasses
Cookie, NS as to type
Cookie, oat bran
Cookie, oatmeal
Cookie, oatmeal sandwich, with creme filling
Cookie, oatmeal, fat free, with raisins
Cookie, oatmeal, reduced fat, with raisins
Cookie, oatmeal, with chocolate and peanut butter (no-bake)
Cookie, oatmeal, with chocolate chips
Cookie, oatmeal, with fruit filling
Cookie, oatmeal, with raisins
Cookie, peanut
Cookie, peanut butter
Cookie, peanut butter with rice cereal (no-bake)
Cookie, peanut butter, with chocolate
Cookie, peanut butter, with oatmeal
Cookie, pizzelle (Italian style wafer)
Cookie, pumpkin
Cookie, raisin
Cookie, raisin sandwich, cream-filled
Cookie, rich, all chocolate, with chocolate filling or chocolate chips
Cookie, rich, chocolate chip, with chocolate filling
Cookie, rugelach
Cookie, rum ball (no-bake)
Cookie, sandwich-type, not chocolate or vanilla
Cookie, shortbread
Cookie, shortbread, reduced fat
Cookie, shortbread, with chocolate filling
Cookie, sugar wafer
Cookie, tea, Japanese
Cookie, teething, baby food
Cookie, toffee bar
Cookie, vanilla sandwich
Cookie, vanilla sandwich, reduced fat
Cookie, vanilla wafer
Cookie, vanilla wafer, reduced fat
Cookie, vanilla waffle creme
Cookie, vanilla with caramel, coconut, and chocolate coating
Cookie, with peanut butter filling, chocolate-coated
Cookie-Crisp
Coquito, Puerto Rican (coconut, rum)
Cordial or liqueur
Corn beverage
Corn beverage with chocolate and milk (Champurrado, Atole de Chocolate)
Corn Chex
Corn dog (frankfurter or hot dog with cornbread coating)
Corn flakes, Kellogg
Corn flakes, NFS
Corn fritter
Corn oil
Corn pone, baked
Corn Pops
Corn Puffs
Corn relish
Corn soup, cream of, prepared with milk
Corn soup, cream of, prepared with water
Corn syrup, light or dark
Corn with peppers, red or green, cooked, fat not added in cooking
Corn, cooked, from canned, NS as to color, fat added in cooking

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Corn, cooked, from canned, NS as to color, fat not added in cooking
Corn, cooked, from canned, NS as to color, NS as to fat added in cooking
Corn, cooked, from fresh, NS as to color, fat added in cooking
Corn, cooked, from fresh, NS as to color, fat not added in cooking
Corn, cooked, from fresh, NS as to color, NS as to fat added in cooking
Corn, cooked, from fresh, with cream sauce, made with milk
Corn, cooked, from frozen, NS as to color, fat added in cooking
Corn, cooked, from frozen, NS as to color, fat not added in cooking
Corn, cooked, from frozen, NS as to color, NS as to fat added in cooking
Corn, cooked, from frozen, with cream sauce, made with milk
Corn, cooked, NS as to form, NS as to color, fat added in cooking
Corn, cooked, NS as to form, NS as to color, fat not added in cooking
Corn, cooked, NS as to form, NS as to color, NS as to fat added in cooking
Corn, cooked, NS as to form, with cream sauce, made with milk
Corn, creamed, baby food, NS as to strained or junior
Corn, creamed, baby food, strained
Corn, from canned, NS as to color, cream style
Corn, NS as to form, NS as to color, cream style
Corn, raw
Corn, scalloped or pudding
Corn, white, cooked, from canned, fat added in cooking
Corn, white, cooked, from canned, fat not added in cooking
Corn, white, cooked, from canned, NS as to fat added in cooking
Corn, white, cooked, from fresh, fat added in cooking
Corn, white, cooked, from fresh, fat not added in cooking
Corn, white, cooked, from fresh, NS as to fat added in cooking
Corn, white, cooked, from frozen, fat added in cooking
Corn, white, cooked, from frozen, fat not added in cooking
Corn, white, cooked, from frozen, NS as to fat added in cooking
Corn, white, cooked, NS as to form, fat not added in cooking
Corn, white, cooked, NS as to form, NS as to fat added in cooking
Corn, white, from canned, cream style
Corn, white, NS as to form, cream style
Corn, yellow and white, cooked, from canned, fat not added in cooking
Corn, yellow and white, cooked, from canned, NS as to fat added in cooking
Corn, yellow and white, cooked, from fresh, fat added in cooking
Corn, yellow and white, cooked, from fresh, fat not added in cooking
Corn, yellow and white, cooked, from fresh, NS as to fat added in cooking
Corn, yellow and white, cooked, from frozen, fat added in cooking
Corn, yellow and white, cooked, from frozen, fat not added in cooking
Corn, yellow and white, cooked, from frozen, NS as to fat added in cooking
Corn, yellow and white, cooked, NS as to form, fat not added in cooking
Corn, yellow and white, cooked, NS as to form, NS as to fat added in cooking
Corn, yellow, canned, low sodium, fat added in cooking
Corn, yellow, canned, low sodium, fat not added in cooking
Corn, yellow, canned, low sodium, NS as to fat added in cooking
Corn, yellow, cooked, from canned, fat added in cooking
Corn, yellow, cooked, from canned, fat not added in cooking
Corn, yellow, cooked, from canned, NS as to fat added in cooking
Corn, yellow, cooked, from fresh, fat added in cooking
Corn, yellow, cooked, from fresh, fat not added in cooking
Corn, yellow, cooked, from fresh, NS as to fat added in cooking
Corn, yellow, cooked, from frozen, fat added in cooking
Corn, yellow, cooked, from frozen, fat not added in cooking
Corn, yellow, cooked, from frozen, NS as to fat added in cooking
Corn, yellow, cooked, NS as to form, fat added in cooking
Corn, yellow, cooked, NS as to form, fat not added in cooking
Corn, yellow, cooked, NS as to form, NS as to fat added in cooking
Corn, yellow, from canned, cream style
Corn, yellow, from canned, cream style, fat added in cooking
Corn, yellow, NS as to form, cream style
Corn, yellow, NS as to form, cream style, fat added in cooking

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Cornbread muffin, stick, round
Cornbread muffin, stick, round, toasted
Cornbread stuffing
Cornbread, made from home recipe
Cornbread, muffin, stick, round, made from home recipe
Cornbread, prepared from mix
Corned beef hash
Corned beef patty
Corned beef with tomato sauce and onion, Puerto Rican style (mixture)
Corned beef, canned, ready-to-eat
Corned beef, cooked, lean and fat eaten
Corned beef, cooked, lean only eaten
Corned beef, cooked, NS as to fat eaten
Corned beef, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), no sauce (mixture)
Corned beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), no sauce (mixture)
Corned beef, pressed
Cornish game hen, cooked, NS as to skin eaten
Cornish game hen, cooked, skin eaten
Cornish game hen, cooked, skin not eaten
Cornish game hen, roasted, NS as to skin eaten
Cornish game hen, roasted, skin eaten
Cornish game hen, roasted, skin not eaten
Cornmeal dressing with chicken or turkey and vegetables
Cornmeal dumpling
Cornmeal fritter, Puerto Rican style (Arepa; P.R. arepita)
Cornmeal mush, fried
Cornmeal mush, made with milk
Cornmeal mush, made with water
Cornmeal sticks, boiled
Cornmeal, lime-treated, cooked (Masa harina)
Cornmeal, made with evaporated milk and sugar, Puerto Rican Style (Harina de maize con leche)
Cornstarch, dry
Cornstarch, hydrolyzed powder
Cottage cheese with fruit, baby food, strained or junior
Cottage cheese, farmer's
Count Chocula
Couscous, plain, cooked, fat added in cooking
Couscous, plain, cooked, fat not added in cooking
Couscous, plain, cooked, NS as to fat added in cooking
Cowpeas, dry, cooked with pork
Cowpeas, dry, cooked, fat added in cooking
Cowpeas, dry, cooked, fat not added in cooking
Cowpeas, dry, cooked, NS as to fat added in cooking
Crab cake
Crab imperial
Crab salad
Crab salad made with imitation crab
Crab soup, NS as to tomato-base or cream style
Crab soup, prepared with milk
Crab soup, tomato-base
Crab, baked or broiled
Crab, cooked, NS as to cooking method
Crab, deviled
Crab, hard shell, steamed
Crab, soft shell, floured or breaded, fried
Cracker, 100% whole wheat
Cracker, 100% whole wheat, low sodium
Cracker, 100% whole wheat, reduced fat
Cracker, animal
Cracker, cheese
Cracker, cheese, low sodium
Cracker, cheese, reduced fat

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Cracker, graham, sugar-honey coated, cinnamon crisps
Cracker, high fiber, no added fat
Cracker, sandwich-type, cheese-filled
Cracker, sandwich-type, peanut butter filled
Cracker, snack
Cracker, snack, fat free
Cracker, snack, low sodium
Cracker, snack, lowfat, low sodium
Cracker, snack, reduced fat
Crackers, baby food
Crackers, Cuban
Crackers, cylindrical, peanut-butter filled
Crackers, graham
Crackers, graham, chocolate covered
Crackers, graham, fat free
Crackers, graham, higher fat
Crackers, graham, lowfat
Crackers, graham, sandwich-type, with filling
Crackers, matzo
Crackers, matzo, low sodium
Crackers, milk
Crackers, NS as to sweet or nonsweet
Crackers, oat
Crackers, oatmeal
Crackers, oyster
Crackers, rice
Crackers, saltine
Crackers, saltine, fat free, low sodium
Crackers, saltine, low sodium
Crackers, saltine, whole wheat
Crackers, sandwich-type, NFS
Crackers, toast thins (rye, pumpernickel, white flour)
Crackers, toast thins (rye, wheat, white flour), low sodium
Crackers, water biscuits
Crackers, wheat
Crackers, wheat, reduced fat
Cracklin' Oat Bran
Cranberries, cooked or canned
Cranberries, dried
Cranberries, NS as to raw, cooked, or canned
Cranberry juice drink with vitamin C added
Cranberry juice drink, low calorie, with vitamin C added
Cranberry juice, unsweetened
Cranberry salad, congealed
Cranberry-apple juice drink with vitamin C added
Cranberry-apple juice drink, low calorie, with vitamin C added
Cranberry-orange relish, uncooked
Cranberry-raspberry Sauce
Cranberry-white grape juice mixture, unsweetened
Crayfish, floured or breaded, fried
Cream cheese dressing
Cream puff, eclair, custard or cream filled, iced
Cream puff, eclair, custard or cream filled, iced, reduced fat
Cream puff, eclair, custard or cream filled, not iced
Cream puff, eclair, custard or cream filled, NS as to icing
Cream soda
Cream soda, sugar-free
Cream substitute, frozen
Cream substitute, light, liquid
Cream substitute, light, powdered
Cream substitute, liquid
Cream substitute, NS as to frozen, liquid, or powdered

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Cream substitute, powdered
Cream, half and half
Cream, heavy, fluid
Cream, heavy, whipped, sweetened
Cream, light, fluid
Cream, light, whipped, unsweetened
Cream, NS as to light, heavy, or half and half
Cream, whipped, pressurized container
Creamed chipped or dried beef
Creamy dressing made with sour cream and/or buttermilk and oil, low calorie
Creamy dressing, made with sour cream and/or buttermilk and oil
Creamy dressing, made with sour cream and/or buttermilk and oil, diet, NS as to low or reduced calorie
Creamy dressing, made with sour cream and/or buttermilk and oil, reduced calorie
Creamy dressing, made with sour cream and/or buttermilk and oil, reduced calorie, cholesterol-free
Creamy dressing, made with sour cream and/or buttermilk and oil, reduced calorie, fat-free, cholesterol-free
Crepe, dessert type, fruit-filled
Crepe, plain
Crisp Crunch
Crisp, apple, apple dessert
Crisp, blueberry
Crisp, cherry
Crisp, peach
Crisp, rhubarb
Crispbread, rye, no added fat
Crispbread, wheat or rye, extra crispy
Crispbread, wheat, no added fat
Crispix
Crispy Brown Rice Cereal
Crispy Rice
Crispy Wheats'n Raisins
Croaker, baked or broiled
Croaker, floured or breaded, fried
Croaker, steamed or poached
Croissant
Croissant with bacon, egg, and cheese
Croissant with ham, egg, and cheese
Croissant with sausage and egg
Croissant with sausage, egg, and cheese
Croissant, cheese
Croissant, chocolate
Croissant, filled with broccoli and cheese
Croissant, filled with chicken, broccoli, and cheese sauce
Croissant, filled with ham and cheese
Croissant, fruit
Croutons
Cruller, NFS
Crumpet
Crumpet, toasted
Crunchy Corn Bran, Quaker
Cucumber pickles, dill
Cucumber pickles, dill, reduced salt
Cucumber pickles, fresh
Cucumber pickles, relish
Cucumber pickles, sour
Cucumber pickles, sweet
Cucumber salad made with cucumber and vinegar
Cucumber salad made with cucumber, oil, and vinegar
Cucumber salad with creamy dressing
Cucumber soup, cream of, prepared with milk
Cucumber, cooked, fat added in cooking
Cucumber, cooked, fat not added in cooking
Cucumber, cooked, NS as to fat added in cooking

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Cucumber, raw
Currants, dried
Currants, raw
Custard
Custard pudding, baby food, flavor other than chocolate, junior
Custard pudding, baby food, flavor other than chocolate, strained
Custard pudding, flavor other than chocolate, baby food, NS as to strained or junior
Custard, Puerto Rican style (Flan)
Daiquiri
Dandelion greens, cooked, fat not added in cooking
Dandelion greens, raw
Danish pastry, plain or spice
Danish pastry, with cheese
Danish pastry, with cheese, fat free, cholesterol free
Danish pastry, with fruit
Danish pastry, with nuts
Dark-green leafy vegetable soup with meat, Oriental style
Dark-green leafy vegetable soup, meatless, Oriental style
Dasheen, boiled
Date
Date candy
Deer bologna
Deer ribs, cooked
Diet beverage, liquid, canned
Dietetic or low calorie candy, chocolate covered
Dietetic or low calorie candy, NFS
Dietetic or low calorie gumdrops
Dietetic or low calorie hard candy
Dietetic or low calorie mints
Dim sum, meat filled (egg roll-type)
Dip, cheese base other than cream cheese
Dip, cheese with chili pepper (chili con queso)
Dip, cream cheese base
Dip, sour cream base
Dip, sour cream base, reduced calorie
Dirty rice
Double bacon cheeseburger (2 patties, 1/4 lb meat each), on bun
Double bacon cheeseburger (2 patties, 1/4 lb meat each), with mayonnaise or salad dressing and tomatoes, on bun
Double cheeseburger (2 patties), plain, on bun
Double cheeseburger (2 patties), with mayonnaise or salad dressing and tomatoes, on bun
Double cheeseburger (2 patties), with mayonnaise or salad dressing, on bun
Double cheeseburger (2 patties), with mayonnaise or salad dressing, on double-decker bun
Double cheeseburger (2 patties), with tomato and/or catsup, on bun
Double cheeseburger (2 patties, 1/4 lb meat each), with mayonnaise or salad dressing, on bun
Double Chex
Double Dip Crunch, Kellogg's
Double hamburger (2 patties), with mayonnaise or salad dressing and tomatoes, on bun
Double hamburger (2 patties), with mayonnaise or salad dressing and tomatoes, on double-decker bun
Double hamburger (2 patties), with tomato and/or catsup, on bun
Double hamburger (2 patties, 1/4 lb meat each), with mayonnaise or salad dressing and tomatoes and/or catsup, on double-decker bun
Double hamburger (2 patties, 1/4 lb meat each), with tomato and/or catsup, on bun
Doughnut, cake type
Doughnut, cake type, chocolate
Doughnut, cake type, chocolate covered
Doughnut, cake type, chocolate covered, dipped in peanuts
Doughnut, cake type, chocolate, with chocolate icing
Doughnut, chocolate cream-filled
Doughnut, custard-filled
Doughnut, custard-filled, with icing
Doughnut, jelly
Doughnut, NS as to cake or yeast

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Doughnut, oriental
Doughnut, raised or yeast
Doughnut, raised or yeast, chocolate
Doughnut, raised or yeast, chocolate covered
Doughnut, raised or yeast, chocolate, with chocolate icing
Doughnut, wheat
Dove, cooked, NS as to cooking method
Dove, fried
Dressing with chicken or turkey and vegetables
Dressing with meat and vegetables
Dressing with oysters
Duck egg, cooked
Duck sauce
Duck soup
Duck, cooked, skin eaten
Duck, cooked, skin not eaten
Duck, roasted, NS as to skin eaten
Duck, roasted, skin eaten
Duck, roasted, skin not eaten
Dumpling, fried, pork
Dumpling, fried, Puerto Rican style
Dumpling, meat-filled
Dumpling, plain
Dumpling, potato- or cheese-filled
Dumpling, steamed, filled with meat, poultry, or seafood
Dutch apple dessert, baby food, junior
Dutch apple dessert, baby food, strained
Eel, cooked, NS as to cooking method
Egg and bacon on biscuit
Egg and cheese on biscuit
Egg and ham on biscuit
Egg and sausage on biscuit
Egg and steak on biscuit
Egg casserole with bread, cheese, milk and meat
Egg drop soup
Egg foo yung, NFS
Egg omelet or scrambled egg, fat added in cooking
Egg omelet or scrambled egg, fat not added in cooking
Egg omelet or scrambled egg, NS as to fat added in cooking
Egg omelet or scrambled egg, with beef
Egg omelet or scrambled egg, with cheese
Egg omelet or scrambled egg, with cheese and ham or bacon
Egg omelet or scrambled egg, with cheese, ham or bacon, and tomatoes
Egg omelet or scrambled egg, with chili, cheese, tomatoes, and beans
Egg omelet or scrambled egg, with chorizo
Egg omelet or scrambled egg, with dark-green vegetables
Egg omelet or scrambled egg, with fish
Egg omelet or scrambled egg, with ham or bacon
Egg omelet or scrambled egg, with mushrooms
Egg omelet or scrambled egg, with onions, peppers, tomatoes, and mushrooms
Egg omelet or scrambled egg, with peppers, onion, and ham
Egg omelet or scrambled egg, with potatoes and/or onions (Tortilla Espanola, traditional style Spanish omelet)
Egg omelet or scrambled egg, with sausage
Egg omelet or scrambled egg, with sausage and cheese
Egg omelet or scrambled egg, with sausage and mushrooms
Egg omelet or scrambled egg, with vegetables other than dark-green vegetables
Egg roll, meatless
Egg roll, with beef and/or pork
Egg roll, with chicken or turkey
Egg roll, with shrimp
Egg salad
Egg salad sandwich

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Egg substitute, NS as to powdered, frozen, or liquid
Egg yolk, baby food
Egg, Benedict
Egg, cheese, and bacon on biscuit
Egg, cheese, and bacon on English muffin
Egg, cheese, and ham on biscuit
Egg, cheese, and ham on English muffin
Egg, cheese, and sausage on biscuit
Egg, cheese, and sausage on English muffin
Egg, deviled
Egg, white only, cooked
Egg, whole, baked, fat added in cooking
Egg, whole, baked, fat not added in cooking
Egg, whole, baked, NS as to fat added in cooking
Egg, whole, boiled
Egg, whole, cooked, NS as to cooking method
Egg, whole, fried
Egg, whole, pickled
Egg, whole, poached
Egg, whole, raw
Egg, yolk only, cooked
Egg, yolk only, raw
Eggnog, made with whole milk
Eggplant and meat casserole
Eggplant dip
Eggplant in tomato sauce, cooked, fat not added in cooking
Eggplant parmesan casserole, regular
Eggplant with cheese and tomato sauce
Eggplant, batter-dipped, fried
Eggplant, cooked, fat added in cooking
Eggplant, cooked, fat not added in cooking
Eggplant, cooked, NS as to fat added in cooking
Eggplant, pickled
Eggplant, raw
Empanada, pumpkin
Enchilada sauce, green
Enchilada sauce, red
Enchilada with beans and cheese, meatless
Enchilada with beans, meatless
Enchilada with beef and beans
Enchilada with beef and cheese, no beans
Enchilada with beef, beans, and cheese
Enchilada with beef, no beans
Enchilada with cheese, meatless, no beans
Enchilada with chicken and beans, tomato-based sauce
Enchilada with chicken and cheese, no beans, tomato- based sauce
Enchilada with chicken, tomato-based sauce
Enchilada with ham and cheese, no beans
Enchilada with seafood, tomato-based sauce
Endive, chicory, escarole, or romaine lettuce, raw
Enfamil, low iron, infant formula, NS as to form
Enfamil, low iron, infant formula, prepared from liquid concentrate
Enfamil, low iron, infant formula, prepared from powder
Enfamil, low iron, infant formula, ready-to-feed
Enfamil, with iron, infant formula, NS as to form
Enfamil, with iron, infant formula, prepared from liquid concentrate
Enfamil, with iron, infant formula, prepared from powder
Enfamil, with iron, infant formula, ready-to-feed
Ensure Plus liquid nutrition
Ensure with fiber, liquid
Escarole soup
Escarole, cooked, fat not added in cooking

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Escarole, cooked, NS as to fat added in cooking
Fajita with beef and vegetables
Fajita with chicken and vegetables
Fajita-style beef sandwich with cheese, on pita bread, with lettuce and tomato
Fajita-style chicken sandwich with cheese, on pita bread, with lettuce and tomato
Falafil
Fat back, cooked
Feta Cheese Dressing
Fiber 7 Flakes, Health Valley
Fiber One
Fig, dried, cooked, with sugar
Fig, dried, uncooked
Fig, raw
Figs, cooked or canned, in light syrup
Filberts, hazelnuts
Fish and chips (frozen meal)
Fish and rice with tomato-based sauce
Fish and vegetable soup, no potatoes (Sopa de pescado)
Fish and vegetables (excluding carrots, broccoli, and dark- green leafy (no potatoes)), tomato-based sauce (mixture)
Fish and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)
Fish and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)
Fish and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato-based sauce (mixture)
Fish cake or patty, NS as to fish
Fish chowder
Fish in lemon-butter sauce with starch item, vegetable (frozen meal)
Fish sandwich, on bun, with cheese and spread
Fish sandwich, on bun, with spread
Fish sauce (bagoong)
Fish soup, with potatoes (Sopa de Pescado)
Fish stick, patty, or fillet, NS as to type, baked or broiled
Fish stick, patty, or fillet, NS as to type, battered, fried
Fish stick, patty, or fillet, NS as to type, breaded or battered, baked
Fish stick, patty, or fillet, NS as to type, cooked, NS as to cooking method
Fish stick, patty, or fillet, NS as to type, floured or breaded, fried
Fish stock, home recipe
Fish timbale or mousse
Fish with tomato-based sauce (mixture)
Fish, batter-dipped or fish cake, with vegetable, potatoes (frozen meal)
Fish, batter-dipped, or fish cake, with vegetable, potatoes, dessert (frozen meal)
Fish, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), cheese sauce (mixture)
Fish, NS as to type, baked or broiled
Fish, NS as to type, battered, fried
Fish, NS as to type, breaded or battered, baked
Fish, NS as to type, canned
Fish, NS as to type, cooked, NS as to cooking method
Fish, NS as to type, dried
Fish, NS as to type, floured or breaded, fried
Fish, NS as to type, smoked
Fish, NS as to type, steamed
Flauta with chicken
Flavored milk drink, whey- and milk-based, flavors other than chocolate
Flavored pasta
Flavored rice and pasta mixture
Flavored rice and pasta mixture, reduced sodium
Flavored rice mixture
Flavored rice mixture with cheese
Flavored rice, brown and wild
Flavored rice, white and wild
Flax seeds
Flaxseed oil
Flounder with crab stuffing
Flounder, baked or broiled

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Flounder, battered, fried
Flounder, breaded or battered, baked
Flounder, cooked, NS as to cooking method
Flounder, floured or breaded, fried
Flounder, steamed or poached
Flour and water gravy
Flour and water patty
Flour, white
Fluid replacement, 5% glucose in water
Fluid replacement, electrolyte solution
Fondant
Fondant, chocolate covered
Formulated diet meal, powdered, soy protein isolate, with herbs
Frankenberry
Frankfurter or hot dog with chili and cheese, on bun
Frankfurter or hot dog, beef
Frankfurter or hot dog, beef and pork
Frankfurter or hot dog, beef and pork, lowfat
Frankfurter or hot dog, beef, lowfat
Frankfurter or hot dog, cheese-filled
Frankfurter or hot dog, chicken
Frankfurter or hot dog, low salt
Frankfurter or hot dog, meat & poultry, lowfat
Frankfurter or hot dog, meat and poultry
Frankfurter or hot dog, meat and poultry, fat free
Frankfurter or hot dog, meatless
Frankfurter or hot dog, plain, on bun
Frankfurter or hot dog, turkey
Frankfurter or hot dog, with catsup and/or mustard, on bun
Frankfurter or hot dog, with cheese, plain, on bun
Frankfurter or hot dog, with chili, no bun
Frankfurter or hot dog, with chili, on bun
Frankfurter, wiener, or hot dog, NFS
Frankfurters or hot dogs and sauerkraut (mixture)
Frankfurters or hot dogs with tomato-based sauce (mixture)
French cruller
French dressing
French dressing, low-calorie
French dressing, reduced calorie
French dressing, reduced calorie, fat-free, cholesterol-free
French Toast Crunch, General Mills
French toast sticks, plain
French toast, plain
Fried egg sandwich
Fried green plantain, Puerto Rican style (Tostones)
Fried ripe plantain, Puerto Rican style (Platano maduro frito)
Fritter, apple
Fritter, banana
Frog legs, NS as to cooking method
Froot Loops
Frosted Bran, Kellogg's
Frosted Cheerios
Frosted corn flakes, NFS
Frosted Flakes, Kellogg
Frosted Mini-Wheats
Frosted oat cereal with marshmallows
Frosted Rice Krispies
Frosted Wheat Bites
Frosty O's
Frozen daiquiri
Frozen daiquiri mix, from frozen concentrate, reconstituted
Frozen dinner, NFS

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Fructose sweetener, beet/cane sugar substitute
Fruit & Fibre (fiber) with peaches, raisins, almonds and oat clusters
Fruit & Fibre (fiber), NFS
Fruit butter, all flavors
Fruit cocktail or mix (excluding citrus fruits), raw
Fruit cocktail or mix (including citrus fruits), raw
Fruit cocktail or mix, frozen
Fruit cocktail, cooked or canned, drained solids
Fruit cocktail, cooked or canned, in heavy syrup
Fruit cocktail, cooked or canned, in light syrup
Fruit cocktail, cooked or canned, juice pack
Fruit cocktail, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Fruit cocktail, cooked or canned, unsweetened, water pack
Fruit dessert with cream and/or pudding and nuts
Fruit dessert with tapioca, baby food, junior
Fruit dessert with tapioca, baby food, strained
Fruit dessert, baby food, NS as to strained or junior
Fruit dressing, made with honey, oil, and water
Fruit drink
Fruit drink, low calorie
Fruit flavored syrup used for milk beverages
Fruit juice bar with cream, frozen
Fruit juice bar, frozen, flavor other than orange
Fruit juice bar, frozen, orange flavor
Fruit juice bar, frozen, sweetened with low calorie sweetener, flavors other than orange
Fruit juice blend, 100% juice, with added Vitamin C
Fruit juice drink, NFS
Fruit juice, NFS
Fruit leather
Fruit mixture, dried (mixture includes three or more of the following: apples, apricots, dates, papaya, peaches, pears, pineapples, prunes, raisins)
Fruit nectar, NFS
Fruit peel, candied
Fruit punch, alcoholic
Fruit punch, fruit drink, or fruitade, with vitamin C added
Fruit punch, made with fruit juice and soda
Fruit punch, made with soda, fruit juice, and sherbet or ice cream
Fruit Rings, NFS
Fruit salad (excluding citrus fruits) with cream
Fruit salad (excluding citrus fruits) with cream substitute
Fruit salad (excluding citrus fruits) with marshmallows
Fruit salad (excluding citrus fruits) with pudding
Fruit salad (excluding citrus fruits) with salad dressing or mayonnaise
Fruit salad (including citrus fruit) with cream
Fruit salad (including citrus fruits) with cream substitute
Fruit salad (including citrus fruits) with marshmallows
Fruit salad (including citrus fruits) with salad dressing or mayonnaise
Fruit salad, Puerto Rican style (Mixture includes bananas, papayas, oranges, grapefruit, etc.) (Ensalada de frutas tropicales)
Fruit sauce
Fruit smoothie drink, made with fruit or fruit juice and dairy products
Fruit snack candy, with added vitamin C
Fruit Supreme dessert, baby food
Fruit syrup
Fruit Wheats
Fruit Whirls
Fruit, baby food, NFS
Fruit, chocolate covered
Fruit, dried, NFS (assume uncooked)
Fruit, NS as to type
Fruit-flavored beverage, dry concentrate, low calorie, not reconstituted
Fruit-flavored concentrate, dry powder, with sugar and vitamin C added
Fruit-flavored drink, made from powdered mix with high vitamin C added, low calorie

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Fruit-flavored drink, made from powdered mix, mainly sugar, with high vitamin C added
Fruit-flavored drink, made from sweetened powdered mix (fortified with vitamin C)
Fruit-flavored drink, made from unsweetened powdered mix (fortified with vitamin C), with sugar added in preparation
Fruit-flavored drink, non-carbonated, made from low calorie powdered mix
Fruit-flavored drink, non-carbonated, made from powdered mix, with sugar
Fruit-flavored drink, vitamin and mineral fortified
Fruit-flavored drinks, punches, ades, low calorie, with vitamin C added
Fruit-flavored thirst quencher beverage
Fruit-flavored thirst quencher beverage, dry concentrate, not reconstituted
Fruit-flavored thirst quencher beverage, low calorie
Fruity Pebbles
Fruity Yummy Mummy cereal
Fudge, caramel and nut, chocolate-coated
Fudge, chocolate
Fudge, chocolate, chocolate-coated
Fudge, chocolate, with nuts
Fudge, divinity
Fudge, peanut butter
Fudge, peanut butter, with nuts
Fudge, vanilla
Funnel cake
Fuzzy Navel
Garbanzo or chickpea soup
Garlic, cooked
Garlic, raw
Gefilte fish
Gelatin dessert
Gelatin dessert with cream cheese
Gelatin dessert with fruit
Gelatin dessert with fruit and cream cheese
Gelatin dessert with fruit and sour cream
Gelatin dessert with fruit and vegetables
Gelatin dessert with fruit and whipped cream
Gelatin dessert with fruit and whipped topping
Gelatin dessert with fruit, vegetable, and nuts
Gelatin dessert with sour cream
Gelatin dessert with whipped cream
Gelatin dessert, dietetic, sweetened with low calorie sweetener
Gelatin dessert, dietetic, with fruit and cream cheese, sweetened with low calorie sweetener
Gelatin dessert, dietetic, with fruit and vegetable(s), sweetened with low calorie sweetener
Gelatin dessert, dietetic, with fruit and whipped topping, sweetened with low calorie sweetener
Gelatin dessert, dietetic, with fruit, sweetened with low calorie sweetener
Gelatin powder, dietetic, sweetened with low calorie sweetener, dry
Gelatin salad with vegetables
Gelatin salad, dietetic, with vegetables, sweetened with low calorie sweetener
Gelatin, plain, drink
Gelatin, plain, powder, dry
Gelatin, plain, prepared
General Tso chicken
Gerber Graduates Finger Snacks Cereal, baby food
Gerber soy, with iron, infant formula, prepared from liquid concentrate
Gerber soy, with iron, infant formula, ready-to-feed
Gerber, low iron, infant formula, prepared from powder
Gerber, with iron, infant formula, NS as to form
Gerber, with iron, infant formula, prepared from liquid concentrate
Gerber, with iron, infant formula, prepared from powder
Gerber, with iron, infant formula, ready-to-feed
Ghee, clarified butter
Gimlet
Gin
Gin and Tonic
Ginger ale

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Ginger ale, sugar-free
Gizzard, cooked
Gnocchi, cheese
Gnocchi, potato
Goat ribs, cooked
Goat, baked
Goat, boiled
Golden Crisp (Formerly called Super Golden Crisp)
Golden Grahams
Gordita/sope shell, plain, no filling, fried in oil
Gordita/sope shell, plain, no filling, grilled, no fat added
Granola bar with nuts, chocolate-coated
Granola bar, chocolate-coated
Granola bar, coated with non-chocolate coating
Granola bar, high fiber, coated with non-chocolate yogurt coating
Granola bar, nonfat
Granola bar, oats, fruit and nuts, lowfat
Granola bar, oats, sugar, raisins, coconut
Granola bar, peanuts, oats, sugar, wheat germ
Granola bar, with coconut, chocolate-coated
Granola bar, with rice cereal
Granola with Raisins, lowfat, Kellogg's
Granola, homemade
Granola, lowfat, Kellogg's
Granola, NFS
Grape drink with vitamin C added
Grape drink, low calorie
Grape juice drink
Grape juice, baby food
Grape juice, low-calorie sweetener
Grape juice, NS as to added sweetener
Grape juice, NS as to sweetened or unsweetened, with added vitamin C
Grape juice, unsweetened
Grape juice, unsweetened, with added vitamin C
Grape juice, with sugar
Grape juice, with sugar, with added vitamin C
Grape leaves stuffed with rice
Grapeade and grape drink
Grapefruit and orange juice, canned, unsweetened
Grapefruit and orange juice, fresh
Grapefruit and orange juice, NFS
Grapefruit and orange sections, raw
Grapefruit juice drink
Grapefruit juice drink with vitamin C added
Grapefruit juice drink, low calorie, with vitamin C added
Grapefruit juice, canned, bottled or in a carton, unsweetened
Grapefruit juice, canned, bottled or in a carton, with sugar
Grapefruit juice, canned, bottled, or in a carton, sweetened with low calorie sweetener
Grapefruit juice, freshly squeezed
Grapefruit juice, frozen, unsweetened (reconstituted with water)
Grapefruit juice, frozen, with sugar (reconstituted with water)
Grapefruit juice, NFS
Grapefruit juice, unsweetened, NS as to form
Grapefruit, canned or frozen, in light syrup
Grapefruit, canned or frozen, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Grapefruit, canned or frozen, unsweetened, water pack
Grapefruit, raw
Grape-Nut Flakes
Grape-Nuts
Grapes, American type, slip skin, raw
Grapes, European type, adherent skin, raw
Grapes, raw, NS as to type

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Grapes, seedless, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Grapes, seedless, cooked or canned, unsweetened, water pack
Grape-tangerine-lemon juice
Gravy or sauce, Chinese (soy sauce, stock or bouillon, cornstarch)
Gravy or sauce, poultry-based from Puerto Rican-style chicken fricasse
Gravy, beef or meat
Gravy, giblet
Gravy, meat or poultry, with wine
Gravy, meat, with fruit
Gravy, mushroom
Gravy, poultry
Gravy, redeye
Great Grains Double Pecan Whole Grain Cereal, Post
Great Grains, Raisin, Date, and Pecan Whole Grain Cereal, Post
Greek Salad
Green banana, cooked (in salt water)
Green banana, fried
Green beans and potatoes, baby food, strained
Green beans and turkey, baby food, strained
Green Goddess dressing
Green or yellow split peas, dry, cooked, fat added in cooking
Green or yellow split peas, dry, cooked, fat not added in cooking
Green or yellow split peas, dry, cooked, NS as to fat added in cooking
Green peppers and onions, cooked, fat added in cooking
Green plantains, boiled
Green tomato-chile sauce, cooked (Salsa verde, NFS)
Green tomato-chile sauce, raw (Salsa de tomate verde cruda)
Greens with ham or pork (mixture)
Greens, cooked, from canned, fat added in cooking
Greens, cooked, from canned, fat not added in cooking
Greens, cooked, from canned, NS as to fat added in cooking
Greens, cooked, from fresh, fat added in cooking
Greens, cooked, from fresh, fat not added in cooking
Greens, cooked, from fresh, NS as to fat added in cooking
Greens, cooked, NS as to form, NS as to fat added in cooking
Grits, cooked, corn or hominy, instant, fat added in cooking
Grits, cooked, corn or hominy, instant, fat not added in cooking
Grits, cooked, corn or hominy, instant, NS as to fat added in cooking
Grits, cooked, corn or hominy, NS as to regular, quick or instant, NS as to fat added in cooking
Grits, cooked, corn or hominy, NS as to regular, quick, or instant, fat added in cooking
Grits, cooked, corn or hominy, NS as to regular, quick, or instant, fat not added in cooking
Grits, cooked, corn or hominy, NS as to regular, quick, or instant, NS as to fat added in cooking, made with milk
Grits, cooked, corn or hominy, quick, fat added in cooking
Grits, cooked, corn or hominy, quick, fat not added in cooking
Grits, cooked, corn or hominy, quick, NS as to fat added in cooking
Grits, cooked, corn or hominy, regular, fat added in cooking
Grits, cooked, corn or hominy, regular, fat not added in cooking
Grits, cooked, corn or hominy, regular, NS as to fat added in cooking
Grits, cooked, corn or hominy, with cheese, instant, fat not added in cooking
Grits, cooked, corn or hominy, with cheese, instant, NS as to fat added in cooking
Grits, cooked, corn or hominy, with cheese, NS as to regular, quick, or instant, NS as to fat added in cooking
Grits, cooked, corn or hominy, with cheese, regular, fat not added in cooking
Grits, cooked, corn or hominy, with cheese, regular, NS as to fat added in cooking
Grits, cooked, flavored, corn or hominy, instant, fat added in cooking
Grits, cooked, flavored, corn or hominy, instant, fat not added in cooking
Grits, cooked, flavored, corn or hominy, instant, NS as to fat added in cooking
Ground beef or patty, breaded, cooked
Ground beef or patty, cooked, NS as to regular, lean, or extra lean
Ground beef with textured vegetable protein, cooked
Ground beef with tomato sauce and taco seasonings on a cornbread crust
Ground beef with tomato sauce on a pizza crust
Ground beef, extra lean, cooked

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Ground beef, lean, cooked
Ground beef, meatballs, meat only, cooked, NS as to regular, lean, or extra lean
Ground beef, raw
Ground beef, regular, cooked
Ground meat, NFS
Guacamole with tomatoes
Guacamole with tomatoes and chili peppers
Guacamole, NFS
Guava juice drink
Guava juice drink with vitamin C added
Guava nectar
Guava paste
Guava shell (assume canned in heavy syrup)
Guava, raw
Gumbo with rice (New Orleans type with shellfish, pork, and/or poultry, tomatoes, okra, rice)
Gumbo, no rice (New Orleans type with shellfish, pork, and/or poultry, tomatoes, okra)
Gumdrops
Gumdrops, chocolate covered
Gyro sandwich (pita bread, beef, lamb, onion, condiments), with tomato and spread
Haddock, baked or broiled
Haddock, battered, fried
Haddock, breaded or battered, baked
Haddock, cooked, NS as to cooking method
Haddock, floured or breaded, fried
Haddock, steamed or poached
Halvah, plain
Ham and cheese loaf
Ham and cheese on English muffin
Ham and cheese sandwich, on bun, with lettuce and spread
Ham and cheese sandwich, with lettuce and spread
Ham and cheese sandwich, with spread, grilled
Ham and cheese submarine sandwich, on multigrain roll, with lettuce, tomato and spread
Ham and noodles with cream or white sauce (mixture)
Ham and noodles, no sauce (mixture)
Ham and pork, luncheon meat, chopped, minced, pressed, spiced, canned
Ham and tomato club sandwich, with lettuce and spread
Ham and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), no sauce (mixture)
Ham croquette
Ham loaf, luncheon meat
Ham on biscuit
Ham or pork and potatoes with cheese sauce (mixture)
Ham or pork and potatoes with gravy (mixture)
Ham or pork and rice, no sauce (mixture)
Ham or pork salad
Ham or pork with (mushroom) soup (mixture)
Ham or pork with barbecue sauce (mixture)
Ham or pork with gravy (mixture)
Ham or pork with stuffing (mixture)
Ham or pork with tomato-based sauce (mixture)
Ham or pork, noodles and vegetables (excluding carrots, broccoli, and dark-green leafy), cheese sauce (mixture)
Ham or pork, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)
Ham pot pie
Ham salad sandwich
Ham salad spread
Ham sandwich, with spread
Ham, baby food, strained
Ham, breaded or floured, fried, lean and fat eaten
Ham, breaded or floured, fried, lean only eaten
Ham, breaded or floured, fried, NS as to fat eaten
Ham, deviled or potted
Ham, fresh, cooked, lean and fat eaten
Ham, fresh, cooked, lean only eaten

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Ham, fresh, cooked, NS as to fat eaten
Ham, fried, lean and fat eaten
Ham, fried, lean only eaten
Ham, fried, NS as to fat eaten
Ham, luncheon meat, chopped, minced, pressed, spiced, lowfat, not canned
Ham, luncheon meat, chopped, minced, pressed, spiced, not canned
Ham, pork and chicken, luncheon meat, chopped, minced, pressed, spiced, canned
Ham, pork, and chicken, luncheon meat, chopped, minced, pressed, spiced, canned, reduced sodium
Ham, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), no sauce (mixture)
Ham, prosciutto
Ham, rice, and potato soup, Puerto Rican style
Ham, sliced, extra lean, prepackaged or deli, luncheon meat
Ham, sliced, low salt, prepackaged or deli, luncheon meat
Ham, sliced, prepackaged or deli, luncheon meat
Ham, smoked or cured, canned, lean and fat eaten
Ham, smoked or cured, canned, lean only eaten
Ham, smoked or cured, canned, NS as to fat eaten
Ham, smoked or cured, cooked, lean and fat eaten
Ham, smoked or cured, cooked, lean only eaten
Ham, smoked or cured, cooked, NS as to fat eaten
Ham, smoked or cured, ground patty
Ham, smoked or cured, low sodium, cooked, lean and fat eaten
Ham, smoked or cured, low sodium, cooked, lean only eaten
Ham, smoked or cured, low sodium, cooked, NS as to fat eaten
Hamburger, 1 oz meat, plain, on miniature bun
Hamburger, 1 oz meat, with tomato and/or catsup, on miniature bun
Hamburger, 1/4 lb meat (beef modified in fat content), with tomato and/or catsup, on bun
Hamburger, 1/4 lb meat, plain, on bun
Hamburger, 1/4 lb meat, with mayonnaise or salad dressing and tomatoes, on bun
Hamburger, 1/4 lb meat, with mayonnaise or salad dressing, on bun
Hamburger, 1/4 lb meat, with tomato and/or catsup, on bun
Hamburger, plain, on bun
Hamburger, with mayonnaise or salad dressing and tomatoes, on bun
Hamburger, with mayonnaise or salad dressing, on bun
Hamburger, with tomato and/or catsup, on bun
Hard candy
Hash, NS as to type of meat
Head cheese
Healthy Choice Almond Crunch with raisins, Kellogg's
Healthy Choice Multi-Grain Flakes, Kellogg's
Healthy Choice Multi-Grain Squares, Kellogg's
Heart, cooked, NS as to cooking method
Heart, fried
Herring, baked or broiled
Herring, floured or breaded, fried
Herring, pickled
Herring, raw
Herring, smoked, kippered
Hidden Treasures, General Mills
High ball
High calorie beverage, canned or powdered, reconstituted
High calorie milk beverage, powder, not reconstituted
High protein bar, candy-like, soy and milk base
High protein cereal, baby food, dry, instant
Hog maws (stomach), cooked
Hoisin sauce
Hollandaise sauce
Hominy, cooked, fat added in cooking
Hominy, cooked, fat not added in cooking
Hominy, cooked, NS as to fat added in cooking
Honey
Honey Bran

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Honey Bunches of Oats
Honey Bunches of Oats with Almonds, Post
Honey butter
Honey Crunch Corn Flakes, Kellogg's
Honey Graham Chex
Honey mustard dressing
Honey Nut Cheerios
Honey Nut Chex
Honey Nut Shredded Wheat, Post
Honey Smacks
Honeycomb, plain
Honey-combed hard candy with peanut butter
Honey-combed hard candy with peanut butter, chocolate covered
Honeydew melon, raw
Honeydew, frozen (balls)
Horchata, Puerto Rican
Hors d'oeuvres, with spread
Horseradish
Horseradish sauce
Hot and sour soup
Hot ham and cheese sandwich, on bun
Huckleberries, raw
Huevos rancheros
Hummus
Hush puppy
Ice cream bar or stick with fruit
Ice cream bar or stick, chocolate covered
Ice cream bar or stick, chocolate ice cream, chocolate covered
Ice cream bar or stick, chocolate or caramel covered, with nuts
Ice cream bar or stick, not chocolate covered or cake covered
Ice cream bar or stick, rich chocolate ice cream, thick chocolate covering
Ice cream bar or stick, rich ice cream, chocolate covered, with nuts
Ice cream bar or stick, rich ice cream, thick chocolate covering
Ice cream bar, cake covered
Ice cream cone with nuts, chocolate ice cream
Ice cream cone with nuts, flavors other than chocolate
Ice cream cone, chocolate covered or dipped, flavors other than chocolate
Ice cream cone, chocolate covered, with nuts, flavors other than chocolate
Ice cream cone, no topping, chocolate ice cream
Ice cream cone, no topping, flavors other than chocolate
Ice cream cone, no topping, NS as to flavor
Ice cream cookie sandwich
Ice cream pie, no crust
Ice cream pie, with cookie crust, fudge topping, and whipped cream
Ice cream sandwich
Ice cream soda, chocolate
Ice cream soda, flavors other than chocolate
Ice cream sundae cone
Ice cream sundae, chocolate or fudge topping, with whipped cream
Ice cream sundae, fruit topping, with whipped cream
Ice cream sundae, fudge topping, with cake, with whipped cream
Ice cream sundae, prepackaged type, flavors other than chocolate
Ice cream with sherbet
Ice cream, fried
Ice cream, NFS
Ice cream, regular, chocolate
Ice cream, regular, flavors other than chocolate
Ice cream, rich, chocolate
Ice cream, rich, flavors other than chocolate
Ice cream, rich, NS as to flavor
Ice cream, soft serve, chocolate
Ice cream, soft serve, flavors other than chocolate

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Ice cream, soft serve, NS as to flavor
Ice milk bar or stick, chocolate covered, with nuts
Ice milk bar or stick, chocolate-coated
Ice milk bar or stick, with low-calorie sweetener, chocolate-coated
Ice milk cone, chocolate
Ice milk creamsicle or dreamsicle
Ice milk sandwich
Ice milk sundae, soft serve, chocolate or fudge topping (without whipped cream)
Ice milk sundae, soft serve, chocolate or fudge topping, with whipped cream
Ice milk sundae, soft serve, fruit topping (without whipped cream)
Ice milk sundae, soft serve, fruit topping, with whipped cream
Ice milk sundae, soft serve, not fruit or chocolate topping (without whipped cream)
Ice milk, chocolate
Ice milk, flavors other than chocolate
Ice milk, fudgesicle
Ice milk, NFS
Ice milk, premium, chocolate
Ice milk, premium, flavors other than chocolate
Ice milk, soft serve cone, chocolate
Ice milk, soft serve cone, flavors other than chocolate
Ice milk, soft serve cone, NS as to flavor
Ice milk, soft serve, chocolate
Ice milk, soft serve, flavors other than chocolate
Ice milk, soft serve, NS as to flavor
Ice milk, with sherbet or ice cream
Ice pop
Ice pop filled with ice cream, all flavor varieties
Ice pop, sweetened with low calorie sweetener
Ice, fruit
Icing, chocolate
Icing, white
Imitation cheese spread
Imitation cheese, American or cheddar type
Imitation cheese, American or cheddar type, low cholesterol
Imitation cream cheese
Imitation mozzarella cheese
Infant formula, NFS
Injera (American-style Ethiopian bread)
Instant breakfast, fluid, canned
Instant breakfast, powder, milk added
Instant breakfast, powder, not reconstituted
Instant breakfast, powder, sweetened with low calorie sweetener, not reconstituted
Instant soup, NFS
Instant soup, noodle
Instant soup, noodle with egg, shrimp or chicken
Instant soup, rice
Irish Coffee
Isomil SF (sucrose-free), with iron, infant formula, prepared from liquid concentrate
Isomil SF (sucrose-free), with iron, infant formula, ready-to-feed
Isomil, with iron, infant formula, NS as to form
Isomil, with iron, infant formula, prepared from liquid concentrate
Isomil, with iron, infant formula, prepared from powder
Isomil, with iron, infant formula, ready-to-feed
Italian dressing, low calorie
Italian dressing, made with vinegar and oil
Italian dressing, reduced calorie
Italian dressing, reduced calorie, fat-free
Italian pie with meat
Italian pie, meatless
Italian sausage
Jam, preserves, all flavors
Jambalaya with meat and rice

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Jams, preserves, marmalades, dietetic, all flavors, sweetened with artificial sweetener
Jams, preserves, marmalades, low sugar (all flavors)
Jams, preserves, marmalades, sweetened with fruit juice concentrates, all flavors
Jelly, all flavors
Jelly, dietetic, all flavors, sweetened with artificial sweetener
Jelly, reduced sugar, all flavors
Jicama, raw
Juice drink, low calorie
Julienne salad (meat, cheese, eggs, vegetables), no dressing
Just Right
Just Right with raisins, dates, and nuts
Kaboom
Kale, cooked, from canned, fat not added in cooking
Kale, cooked, from canned, NS as to fat added in cooking
Kale, cooked, from fresh, fat added in cooking
Kale, cooked, from fresh, fat not added in cooking
Kale, cooked, NS as to form, NS as to fat added in cooking
Kashi cereal, NS as to ready to eat or cooked
Kashi, Puffed
Kidney bean salad
Kidney, breaded, fried
Kidney, cooked, NS as to cooking method
King Vitamin
Kit Kat
Kiwi fruit, raw
Kix
Knish, potato
Knockwurst
Korean dressing or marinade
Kung pao chicken
Lactofree, with iron, infant formula, NS as to form
Lactofree, with iron, infant formula, prepared from liquid concentrate
Lactofree, with iron, infant formula, prepared from powder
Lactofree, with iron, infant formula, ready-to-feed
Ladoo, round ball, Asian-Indian dessert
Lamb chop, NS as to cut, cooked, lean and fat eaten
Lamb chop, NS as to cut, cooked, lean only eaten
Lamb chop, NS as to cut, cooked, NS as to fat eaten
Lamb curry
Lamb or mutton stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy
Lamb or mutton stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce
Lamb or mutton stew with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), gravy
Lamb or mutton stew with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), gravy
Lamb or mutton with gravy (mixture)
Lamb or mutton, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)
Lamb, baby food, strained
Lamb, ground or patty, cooked
Lamb, loin chop, cooked, lean only eaten
Lamb, NS as to cut, cooked
Lamb, ribs, cooked, lean only eaten
Lamb, ribs, cooked, NS as to fat eaten
Lamb, roast, cooked, lean and fat eaten
Lamb, roast, cooked, lean only eaten
Lamb, roast, cooked, NS as to fat eaten
Lasagna with cheese and meat sauce (diet frozen meal)
Lasagna with cheese and meat sauce, reduced fat and sodium (diet frozen meal)
Lasagna with cheese and sauce (diet frozen meal)
Lasagna with cheese, tomato sauce, vegetable, dessert (frozen meal)
Lasagna with meat and spinach
Lasagna with meat and/or poultry
Lasagna with meat, canned
Lasagna with meat, whole wheat noodles

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Lasagna, meatless
Lasagna, meatless, spinach noodles
Lasagna, meatless, with spinach
Lasagna, with chicken or turkey, and spinach
Lecithin
Leek soup, cream of, prepared with milk
Leek, cooked, NS as to fat added in cooking
Leek, raw
Lemon chicken, Chinese style
Lemon juice, canned or bottled
Lemon juice, fresh
Lemon juice, NS as to form
Lemon pie filling
Lemon, raw
Lemonade
Lemonade with vitamin C added
Lemonade, frozen concentrate, not reconstituted
Lemonade, low calorie
Lemonade-flavored drink, made from powdered mix, low calorie, with vitamin C added
Lemonade-flavored drink, made from powdered mix, with sugar and vitamin C added
Lemon-butter sauce
Lemon-limeade
Lentil soup
Lentils, dry, cooked, fat added in cooking
Lentils, dry, cooked, fat not added in cooking
Lentils, dry, cooked, NS as to fat added in cooking
Lettuce salad with egg, cheese, tomato, and/or carrots, with or without other vegetables, no dressing
Lettuce, arugula, raw
Lettuce, Boston, raw
Lettuce, cooked, fat not added in cooking
Lettuce, raw
Lettuce, salad with assorted vegetables excluding tomatoes and carrots, no dressing
Lettuce, salad with assorted vegetables including tomatoes and/or carrots, no dressing
Lettuce, salad with avocado, tomato, and/or carrots, with or without other vegetables, no dressing
Lettuce, salad with cheese, tomato and/or carrots, with or without other vegetables, no dressing
Lettuce, salad with egg, tomato, and/or carrots, with or without other vegetables, no dressing
Lettuce, wilted, with bacon dressing
Licorice
Life (plain and cinnamon)
Light butter, stick, salted
Light butter, stick, unsalted
Light butter, whipped, tub, salted
Lima bean soup
Lima beans, dry, cooked, fat added in cooking
Lima beans, dry, cooked, fat not added in cooking
Lima beans, dry, cooked, NS as to fat added in cooking
Lime juice, canned or bottled
Lime juice, fresh
Lime juice, NS as to form
Lime, raw
Limeade
Linguini with clam sauce (diet frozen meal)
Liqueur with cream
Liquid from stewed kidney beans, Puerto Rican style
Liver dumpling
Liver paste or pate, chicken
Liver, beef or calves, and onions
Liver, beef, baby food, strained
Liver, NS as to type, cooked
Liverwurst
Lo mein with meat
Lo mein with shrimp

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Lo mein, meatless
Loaf, lentil
Lobster bisque
Lobster gumbo
Lobster newburg
Lobster salad
Lobster sauce (broth-based)
Lobster with butter sauce (mixture)
Lobster, baked or broiled
Lobster, cooked, NS as to cooking method
Lobster, steamed or boiled
Lobster, without shell, steamed or boiled
Lomi salmon
Long Island iced tea
Long rice noodles (made from mung beans) cooked, NS as to fat added in cooking
Long rice noodles (made from mung beans), cooked, fat added in cooking
Long rice noodles (made from mung beans), cooked, fat not added in cooking
Lose-it (Nanci), meal replacement, powder
Lotus root, cooked, fat not added in cooking
Lucky Charms
Luncheon loaf (olive, pickle, or pimiento)
Luncheon meat, NFS
Luncheon slice, meatless-beef, chicken, salami or turkey
Lychee, raw
M & M's Almond Chocolate Candies
M & M's Peanut Butter Chocolate Candies
M & M's Peanut Chocolate Candies
M & M's Plain Chocolate Candies
Macadamia nuts, roasted
Macaroni and cheese (diet frozen meal)
Macaroni and cheese with apples, vegetable (frozen meal)
Macaroni and cheese with egg
Macaroni and cheese, baby food, strained
Macaroni and cheese, baby food, toddler
Macaroni and potato soup
Macaroni or noodles with beans or lentils and tomato sauce
Macaroni or noodles with cheese
Macaroni or noodles with cheese and beef
Macaroni or noodles with cheese and chicken or turkey
Macaroni or noodles with cheese and frankfurters or hot dogs
Macaroni or noodles with cheese and pork or ham
Macaroni or noodles with cheese and tomato
Macaroni or noodles with cheese and tuna
Macaroni or noodles with cheese, canned
Macaroni or noodles with cheese, from boxed mix with already prepared cheese sauce
Macaroni or noodles with cheese, made from dry mix
Macaroni or noodles, spinach, with chicken and cheese sauce (diet frozen meal)
Macaroni salad
Macaroni salad with cheese
Macaroni salad with crab meat
Macaroni salad with egg
Macaroni salad with shrimp
Macaroni salad with tuna
Macaroni salad with tuna and egg
Macaroni with beef and tomato sauce, baby food, toddler
Macaroni with vegetables, baby food, strained
Macaroni, cooked, fat added in cooking
Macaroni, cooked, fat not added in cooking
Macaroni, cooked, NS as to fat added in cooking
Macaroni, cooked, spinach, fat not added in cooking
Macaroni, cooked, spinach, NS as to fat added in cooking
Macaroni, cooked, vegetable, fat added in cooking

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Macaroni, cooked, vegetable, fat not added in cooking
Macaroni, cooked, vegetable, NS as to fat added in cooking
Macaroni, creamed
Macaroni, creamed, with cheese
Macaroni, creamed, with vegetables
Macaroni, tomatoes, and beef, baby food, junior
Macaroni, tomatoes, and beef, baby food, NS as to strained or junior
Macaroni, tomatoes, and beef, baby food, strained
Macaroni, whole wheat, cooked, fat not added in cooking
Mackerel cake or patty
Mackerel, baked or broiled
Mackerel, canned
Mackerel, cooked, NS as to cooking method
Mackerel, floured or breaded, fried
Malt-O-Meal Coco-Roos
Malt-O-Meal Corn Bursts
Malt-O-Meal Crispy Rice
Malt-O-Meal Golden Puffs (formerly Sugar Puffs)
Malt-O-Meal Honey and Nut Toasty O's
Malt-O-Meal Marshmallow Mateys
Malt-O-Meal Puffed Rice
Malt-O-Meal Puffed Wheat
Malt-O-Meal Toasted Oat Cereal
Malt-O-meal Tootie Fruities
Manapua, filled with bean paste, meatless
Mango dessert with tapioca, baby food
Mango nectar
Mango, cooked
Mango, dried
Mango, pickled
Mango, raw
Mango-grape-pear juice, baby food
Manhattan
Manicotti, cheese-filled, no sauce
Manicotti, cheese-filled, with meat sauce
Manicotti, cheese-filled, with tomato sauce (diet frozen meal)
Manicotti, cheese-filled, with tomato sauce, meatless
Manicotti, vegetable- and cheese-filled, with tomato sauce, meatless
Maple and corn and/or cane pancake syrup blends (formerly Corn and maple syrup (2% maple))
Maple syrup (100% maple)
Margarine, liquid, salted
Margarine, NFS
Margarine, stick, salted
Margarine, stick, unsalted
Margarine, tub, salted
Margarine, tub, unsalted
Margarine, whipped, stick, salted
Margarine, whipped, tub, salted
Margarine, whipped, tub, unsalted
Margarine-like spread, fat free, liquid, salted
Margarine-like spread, fat free, tub, salted
Margarine-like spread, liquid, salted
Margarine-like spread, made with yogurt, stick, salted
Margarine-like spread, reduced calorie, about 20% fat, tub, salted
Margarine-like spread, reduced calorie, about 20% fat, tub, unsalted
Margarine-like spread, reduced calorie, about 40% fat, made with yogurt, tub, salted
Margarine-like spread, reduced calorie, about 40% fat, stick, salted
Margarine-like spread, reduced calorie, about 40% fat, tub, salted
Margarine-like spread, stick, salted
Margarine-like spread, stick, unsalted
Margarine-like spread, tub, salted
Margarine-like spread, tub, sweetened

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Margarine-like spread, tub, unsalted
Margarine-like spread, whipped, tub, salted
Margarita
Marinated fish (Ceviche)
Marmalade, all flavors
MARS Bar
Marshmallow
Marshmallow Safari, Quaker
Marshmallow, candy-coated
Marshmallow, chocolate covered
Marshmallow, coconut-coated
Martini
Matzo ball
Matzo ball soup
Matzo, fritters
Mayonnaise, imitation
Mayonnaise, imitation, cholesterol free
Mayonnaise, low-calorie or diet
Mayonnaise, low-calorie or diet, low sodium
Mayonnaise, made with tofu
Mayonnaise, made with yogurt
Mayonnaise, reduced calorie or diet, cholesterol-free
Mayonnaise, regular
Mayonnaise-type salad dressing
Mayonnaise-type salad dressing, cholesterol-free
Mayonnaise-type salad dressing, fat-free
Mayonnaise-type salad dressing, low-calorie or diet
Mayonnaise-type salad dressing, low-calorie or diet, cholesterol-free.
Meal replacement bar
Meal replacement or supplement, liquid, soy-base, high protein
Meal replacement or supplement, liquid, soy-based
Meal replacement or supplement, soy- and milk-base, powder, reconstituted with water
Meal replacement, Amway's Nutrilite brand Positrim Drink Mix, powdered nonfat dry milk-based, dry, not reconstituted
Meal replacement, high protein, milk based, fruit juice mixable formula, powdered, not reconstituted
Meal replacement, protein type, milk- and soy-based, powdered, not reconstituted
Meal replacement, protein type, milk-based, powdered, not reconstituted
Meal supplement or replacement, commercially prepared, ready-to-drink
Meal supplement or replacement, milk-based, high protein, liquid
Meat and hominy soup, Mexican style (Pozole)
Meat loaf dinner, NFS (frozen meal)
Meat loaf in tomato sauce with potatoes, vegetable (frozen meal)
Meat loaf made with beef
Meat loaf made with beef and pork
Meat loaf made with beef and pork, with tomato-based sauce
Meat loaf made with beef, veal and pork
Meat loaf made with beef, with tomato-based sauce
Meat loaf made with chicken or turkey
Meat loaf made with ham (not luncheon meat)
Meat loaf made with venison / deer
Meat loaf, NS as to type of meat
Meat pie, NFS
Meat sandwich, NFS
Meat spread or potted meat sandwich
Meat spread or potted meat, NFS
Meat stick, baby food
Meat substitute, cereal- and vegetable protein-based, fried
Meat turnover, Puerto Rican style (Pastelillo de carne; Empanadilla)
Meat with barbecue sauce, NS as to type of meat (mixture)
Meat with gravy, NS as to type of meat (mixture)
Meat with tomato-based sauce (mixture)
Meat, baby food, NS as to type, NS as to strained or junior
Meat, NFS

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Meatball and spaghetti sauce submarine sandwich, on roll
Meatball soup, Mexican style (Sopa de Albondigas)
Meatball, meatless
Meatballs, NS as to type of meat, with sauce (mixture)
Meatballs, Puerto Rican style (Albondigas)
Meatballs, Swedish, in gravy, with noodles (diet frozen meal)
Meatballs, Swedish, in sauce, with noodles (frozen meal)
Meatballs, Swedish, in sauce, with noodles and vegetable medley (frozen meal)
Meatballs, with breading, NS as to type of meat, with gravy
Melba toast
Meringues
Mettwurst
Mexican casserole made with ground beef, beans, tomato sauce, cheese, taco seasonings, and corn chips
Mexican casserole made with ground beef, tomato sauce, cheese, taco seasonings, and corn chips
Mexican chocolate (tablet)
Mexican dinner with fried beans, frozen
Mexican style beef stew with potatoes, tomato-based sauce (mixture) (Carne guisada con papas)
Mexican style beef stew, no potatoes, tomato-based sauce (mixture) (Carne guisada sin papas)
Mexican style beef stew, no potatoes, with chili peppers, tomato-based sauce (mixture) (Carne guisada con chile)
Mexican style chicken broth soup stock
Mexican style pork stew, no potatoes, tomato-based sauce (mixture) (cerdo guisado sin papas)
Mexican style pork stew, with potatoes, tomato-based sauce (mixture) (cerdo guisado con papas)
Milk beverage with nonfat dry milk and low calorie sweetener, high calcium, water added, chocolate
Milk beverage with nonfat dry milk and low calorie sweetener, water added, flavors other than chocolate
Milk beverage with sugar, dry milk, and egg white powder, dry mix, not reconstituted
Milk beverage, made with whole milk, flavors other than chocolate
Milk beverage, powder, dry mix, not reconstituted, flavors other than chocolate
Milk dessert bar or stick, frozen, with coconut
Milk dessert bar, frozen, made from lowfat milk
Milk dessert bar, frozen, made from lowfat milk and low calorie sweetener
Milk dessert or milk candy, Puerto Rican style (Dulce de leche)
Milk dessert, frozen, chocolate (no butterfat)
Milk dessert, frozen, flavors other than chocolate (no butterfat)
Milk dessert, frozen, lowfat, chocolate
Milk dessert, frozen, lowfat, flavors other than chocolate
Milk dessert, frozen, lowfat, made with low-calorie sweetener, flavors other than chocolate
Milk dessert, frozen, made with low-calorie sweetener, chocolate
Milk dessert, frozen, made with low-calorie sweetener, flavors other than chocolate
Milk dessert, frozen, milk-fat free, chocolate
Milk dessert, frozen, milk-fat free, flavors other than chocolate
Milk dessert, frozen, nonfat, made with low-calorie sweetener, chocolate
Milk dessert, frozen, nonfat, made with low-calorie sweetener, flavors other than chocolate
Milk fruit drink
Milk gravy, quick gravy
Milk shake with malt
Milk shake, homemade or fountain-type, chocolate
Milk shake, homemade or fountain-type, flavors other than chocolate
Milk shake, made with skim milk, chocolate
Milk shake, made with skim milk, flavors other than chocolate
Milk shake, NS as to flavor or type
Milk, calcium fortified, cow's, fluid, 1% fat
Milk, calcium fortified, cow's, fluid, skim or nonfat
Milk, chocolate, lowfat milk-based
Milk, chocolate, NFS
Milk, chocolate, skim milk-based
Milk, chocolate, whole milk-based
Milk, condensed, sweetened, diluted
Milk, condensed, sweetened, NS as to dilution
Milk, condensed, sweetened, undiluted
Milk, cow's, fluid, 1% fat
Milk, cow's, fluid, 2% fat
Milk, cow's, fluid, acidophilus, 1% fat

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Milk, cow's, fluid, acidophilus, 2% fat
Milk, cow's, fluid, lactose reduced, 1% fat
Milk, cow's, fluid, lactose reduced, 1% fat, fortified with calcium
Milk, cow's, fluid, lactose reduced, 2% fat
Milk, cow's, fluid, lactose reduced, nonfat
Milk, cow's, fluid, lactose reduced, nonfat, fortified with calcium
Milk, cow's, fluid, lowfat, NS as to percent fat
Milk, cow's, fluid, skim or nonfat, 0.5% or less butterfat
Milk, cow's, fluid, whole
Milk, dry, lowfat, not reconstituted
Milk, dry, nonfat, not reconstituted
Milk, dry, not reconstituted, NS as to whole, lowfat, or nonfat
Milk, dry, reconstituted, lowfat
Milk, dry, reconstituted, NFS
Milk, dry, reconstituted, nonfat
Milk, dry, reconstituted, whole
Milk, dry, whole, not reconstituted
Milk, evaporated, 2% fat, NS as to dilution
Milk, evaporated, 2% fat, undiluted
Milk, evaporated, NS as to fat content and dilution
Milk, evaporated, NS as to fat content and dilution, used in coffee or tea (assume undiluted)
Milk, evaporated, NS as to fat content, diluted
Milk, evaporated, NS as to fat content, undiluted
Milk, evaporated, skim, NS as to dilution
Milk, evaporated, skim, NS as to dilution, used in coffee or tea
Milk, evaporated, skim, undiluted
Milk, evaporated, whole, diluted
Milk, evaporated, whole, NS as to dilution
Milk, evaporated, whole, NS as to dilution, used in coffee or tea
Milk, evaporated, whole, undiluted
Milk, flavors other than chocolate, whole milk-based
Milk, goat's, fluid, whole
Milk, human
Milk, imitation, fluid, non-soy, sweetened, flavors other than chocolate
Milk, imitation, fluid, soy based
Milk, malted, dry mix, fortified, not reconstituted, chocolate
Milk, malted, dry mix, fortified, not reconstituted, flavors other than chocolate
Milk, malted, dry mix, unfortified, not reconstituted, chocolate
Milk, malted, dry mix, unfortified, not reconstituted, flavors other than chocolate
Milk, malted, fortified, chocolate, made with milk
Milk, malted, fortified, natural flavor, made with milk
Milk, malted, unfortified, NS as to flavor, made with milk
Milk, NFS
Milk, soy, dry, reconstituted, not baby's
Milk, soy, ready-to-drink, not baby's
Milk, vinegar, and sugar dressing
Milk-based fruit drink
MILKY WAY Bar
MILKY WAY DARK Bar
Milky Way II
Millet, cooked, fat not added in cooking
Millet, puffed
Minestrone soup, canned, reduced sodium, ready-to-serve
Minestrone soup, home recipe
Mini Buns Cereal (cinnamon)
Miso (fermented soybean paste)
Miso sauce
Mixed cereal with applesauce and bananas, baby food, jarred
Mixed cereal with bananas, baby food, dry, instant
Mixed cereal, baby food, dry, instant
Mixed Drinks (for recipe modifications)
Mixed fruit juice with lowfat yogurt, baby food

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Mixed fruit juice, not citrus, baby food
Mixed fruit juice, not citrus, with added calcium, baby food
Mixed fruit yogurt dessert, baby food, strained
Mixed nuts, dry roasted
Mixed nuts, honey-roasted, with peanuts
Mixed nuts, in shell
Mixed nuts, NFS
Mixed nuts, roasted, with peanuts
Mixed nuts, roasted, without peanuts
Mixed salad greens, raw
Mixed vegetable juice (vegetables other than tomato)
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), canned, low sodium, fat not added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), canned, low sodium, NS as to fat added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), cooked, from canned, fat added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), cooked, from canned, fat not added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), cooked, from canned, NS as to fat added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), cooked, from frozen, fat added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), cooked, from frozen, fat not added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), cooked, from frozen, NS as to fat added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), cooked, NS as to form, fat added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), cooked, NS as to form, fat not added in cooking
Mixed vegetables (corn, lima beans, peas, green beans, and carrots), cooked, NS as to form, NS as to fat added in cooking
Mixed vegetables, garden vegetables, baby food, junior
Mixed vegetables, garden vegetables, baby food, NS as to strained or junior
Mixed vegetables, garden vegetables, baby food, strained
Mock chicken legs, cooked
Molasses
Mole poblano (sauce)
Moo Goo Gai Pan
Moo Shi Pork
Mortadella
Mousse, chocolate
Mousse, not chocolate
Muesli with apples and almonds, Ralston Purina
Muesli with raisins, dates, and almonds
Muesli with raisins, peaches, and pecans
Muesli, prepared, instant
Mueslix cereal, NFS
Mueslix Crispy Blend (formerly Mueslix Five Grain Muesli Cereal)
Mueslix golden crunch cereal
Mueslix with raisins, walnuts, and cranberries
Muffin, bran with fruit, lowfat
Muffin, bran with fruit, no fat, no cholesterol
Muffin, carrot
Muffin, cheese
Muffin, chocolate
Muffin, chocolate chip
Muffin, English
Muffin, English, multigrain
Muffin, English, multigrain, toasted
Muffin, English, oat bran
Muffin, English, oat bran, toasted
Muffin, English, toasted
Muffin, English, wheat bran
Muffin, English, wheat bran, toasted
Muffin, English, wheat or cracked wheat
Muffin, English, wheat or cracked wheat, toasted
Muffin, English, wheat or cracked wheat, with raisins, toasted
Muffin, English, whole wheat, 100%
Muffin, English, whole wheat, 100%, toasted
Muffin, English, whole wheat, 100%, with raisins, toasted
Muffin, English, whole wheat, other than 100% or NS as to 100%, toasted

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Muffin, English, whole wheat, other than 100% or NS as to 100%, with raisins, toasted
Muffin, English, with fruit other than raisins
Muffin, English, with fruit other than raisins, toasted
Muffin, English, with raisins
Muffin, English, with raisins, toasted
Muffin, fruit and/or nuts
Muffin, fruit, fat free, cholesterol free
Muffin, multigrain, with nuts
Muffin, NFS
Muffin, oat bran
Muffin, oat bran with fruit and/or nuts
Muffin, oatmeal
Muffin, plain
Muffin, pumpkin
Muffin, wheat
Muffin, wheat bran
Muffin, whole wheat
Muffin, zucchini
Mulberries, raw
Mullet, baked or broiled
Mullet, floured or breaded, fried
Mullet, steamed or poached
Multi Bran Chex
Multi Grain Cheerios
Multigrain cereal, cooked, fat not added in cooking
Multi-Grain Cheerios Plus
Multigrain mixture, bread sticks, sesame nuggets, pretzels, rye chips
Multigrain mixture, pretzels, cereal and/or crackers, nuts
Mung beans, fat not added in cooking
Mushroom soup, canned, undiluted
Mushroom soup, cream of, canned, NS as to made with milk or water, reduced sodium
Mushroom soup, cream of, canned, prepared with milk, reduced sodium
Mushroom soup, cream of, canned, prepared with water, reduced sodium
Mushroom soup, cream of, canned, undiluted, reduced sodium
Mushroom soup, cream of, NS as to made with milk or water
Mushroom soup, cream of, prepared with milk
Mushroom soup, cream of, prepared with water
Mushroom soup, cream of, prepared with water, low sodium
Mushroom soup, made from dry mix
Mushroom soup, NFS
Mushroom soup, with meat broth, prepared with water
Mushroom, Oriental, cooked, from dried
Mushrooms, batter-dipped, fried
Mushrooms, cooked, from canned, fat added in cooking
Mushrooms, cooked, from canned, fat not added in cooking
Mushrooms, cooked, from canned, NS as to fat added in cooking
Mushrooms, cooked, from fresh, fat added in cooking
Mushrooms, cooked, from fresh, fat not added in cooking
Mushrooms, cooked, from fresh, NS as to fat added in cooking
Mushrooms, cooked, from frozen, NS as to fat added in cooking
Mushrooms, cooked, NS as to form, fat added in cooking
Mushrooms, cooked, NS as to form, fat not added in cooking
Mushrooms, cooked, NS as to form, NS as to fat added in cooking
Mushrooms, from fresh, creamed
Mushrooms, NS as to form, creamed
Mushrooms, pickled
Mushrooms, raw
Mushrooms, stuffed
Mussels with tomato-based sauce (mixture)
Mussels, cooked, NS as to cooking method
Mussels, steamed or poached
Mustard

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Mustard greens, cooked, from canned, fat not added in cooking
Mustard greens, cooked, from fresh, fat added in cooking
Mustard greens, cooked, from fresh, fat not added in cooking
Mustard greens, cooked, from fresh, NS as to fat added in cooking
Mustard greens, cooked, from frozen, fat not added in cooking
Mustard greens, cooked, from frozen, NS as to fat added in cooking
Mustard greens, cooked, NS as to form, fat added in cooking
Mustard greens, cooked, NS as to form, fat not added in cooking
Mustard pickles
Mustard sauce
Nachos with beans and cheese
Nachos with beef and cheese
Nachos with beef, beans, and cheese
Nachos with beef, beans, cheese, and sour cream
Nachos with beef, beans, cheese, tomatoes and onions
Nachos with cheese and sour cream
Nachos with cheese, meatless, no beans
Nachos with chicken or turkey and cheese
Nachos with chili
Natural Bran Flakes, Post (formerly called 40% Bran Flakes, Post)
Nature Valley Granola, with fruit and nuts
Nectarine, raw
Nestum cereal
Next Step Soy Toddler Formula, with iron, infant formula, NS as to form
Nonalcoholic malt beverage
Noodle and potato soup, Puerto Rican style
Noodle pudding
Noodle soup with vegetables, Oriental style
Noodle soup, made with milk
Noodle soup, NFS
Noodle soup, with fish ball, shrimp, and dark green leafy vegetable
Noodles and chicken with gravy, vegetable, and dessert (frozen meal)
Noodles with vegetables in tomato-based sauce (diet frozen meal)
Noodles, chow mein
Noodles, cooked, fat added in cooking
Noodles, cooked, fat not added in cooking
Noodles, cooked, NS as to fat added in cooking
Noodles, cooked, spinach, fat added in cooking
Noodles, cooked, spinach, fat not added in cooking
Noodles, cooked, spinach, NS as to fat added in cooking
Noodles, cooked, whole wheat, fat not added in cooking
Noodles, cooked, whole wheat, NS as to fat added in cooking
Norwegian Lefse, potato and flour pancake
Nougat, chocolate covered
Nougat, plain
Nougat, with caramel, chocolate covered
Nursoy, with iron, infant formula, NS as to form
Nursoy, with iron, infant formula, prepared from liquid concentrate
Nursoy, with iron, infant formula, prepared from powder
Nursoy, with iron, infant formula, ready-to-feed
Nut and Honey Crunch (flakes)
Nut mixture with dried fruit and seeds
Nut mixture with seeds
Nut roll, fudge or nougat, caramel and nuts
Nutramigen, with iron, infant formula, NS as to form
Nutramigen, with iron, infant formula, prepared from liquid concentrate
Nutramigen, with iron, infant formula, prepared from powder
Nutramigen, with iron, infant formula, ready-to-feed
Nutrient supplement, milk-based, high protein, powdered, not reconstituted
Nutrient supplement, milk-based, powdered, not reconstituted
Nutri-Grain Almond Raisin
Nutri-Grain Biscuits, Whole Grain Shredded Wheat Cereal

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Nutri-Grain Wheat
Nuts, carob-coated
Nuts, chocolate covered, not almonds or peanuts
Nutty Nuggets, Ralston Purina
Oat bran cereal, cooked, fat added in cooking
Oat bran cereal, cooked, fat not added in cooking
Oat bran cereal, cooked, NS as to fat added in cooking
Oat Bran Flakes, Health Valley
Oat bran, uncooked
Oat cereal, NFS
Oat flakes, fortified
Oat Flakes, Post
Oatmeal beverage with milk (Atole de avena)
Oatmeal cereal with bananas, baby food, dry, instant
Oatmeal cereal with fruit, baby food, dry, instant, toddler
Oatmeal cereal, baby food, dry, instant
Oatmeal Crisp
Oatmeal Crisp with Almonds
Oatmeal Crisp with Apples
Oatmeal Raisin Crisp
Oatmeal with applesauce and bananas, baby food, jarred
Oatmeal with fruit, cooked
Oatmeal with maple flavor, cooked
Oatmeal, cooked, instant, fat added in cooking
Oatmeal, cooked, instant, fat not added in cooking
Oatmeal, cooked, instant, NS as to fat added in cooking
Oatmeal, cooked, NS as to regular, quick or instant, fat not added in cooking
Oatmeal, cooked, NS as to regular, quick or instant; NS as to fat added in cooking
Oatmeal, cooked, quick (1 or 3 minutes), fat added in cooking
Oatmeal, cooked, quick (1 or 3 minutes), fat not added in cooking
Oatmeal, cooked, quick (1 or 3 minutes), NS as to fat added in cooking
Oatmeal, cooked, regular, fat added in cooking
Oatmeal, cooked, regular, fat not added in cooking
Oatmeal, cooked, regular, NS as to fat added in cooking
Oatmeal, fortified, cooked, instant, fat added in cooking
Oatmeal, fortified, cooked, instant, fat not added in cooking
Oatmeal, made with evaporated milk and sugar, Puerto Rican style
Oatmeal, multigrain, cooked, fat not added in cooking
Oatmeal, NS as to regular, quick, or instant, made with milk, fat added in cooking
Oatmeal, NS as to regular, quick, or instant, made with milk, fat not added in cooking
Oatmeal, NS as to regular, quick, or instant, made with milk, NS as to fat added in cooking
Oatmeal, with oat bran, fortified, cooked, instant, fat not added in cooking
Oats, raw
Ocean perch, baked or broiled
Ocean perch, battered, fried
Ocean perch, breaded or battered, baked
Ocean perch, floured or breaded, fried
Ocean perch, raw
Octopus, cooked, NS as to cooking method
Octopus, dried, boiled
Oh's, Crunchy Nut
Oh's, Fruitangy, Quaker
Oh's, Honey Graham
Okra, batter-dipped, fried
Okra, cooked, from canned, fat not added in cooking
Okra, cooked, from fresh, fat added in cooking
Okra, cooked, from fresh, fat not added in cooking
Okra, cooked, from fresh, NS as to fat added in cooking
Okra, cooked, from frozen, fat added in cooking
Okra, cooked, from frozen, fat not added in cooking
Okra, cooked, from frozen, NS as to fat added in cooking
Okra, cooked, NS as to form, fat added in cooking

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Okra, cooked, NS as to form, fat not added in cooking
Okra, cooked, NS as to form, NS as to fat added in cooking
Okra, pickled
Olive oil
Olives, black
Olives, green
Olives, green, stuffed
Olives, NFS
Onion rings, from fresh, batter-dipped, baked or fried
Onion rings, from frozen, batter-dipped, baked or fried
Onion rings, NS as to form, batter-dipped, baked or fried
Onion soup, dry mix, not reconstituted
Onion soup, French
Onion soup, made from dry mix
Onion, dehydrated
Onion, young green, cooked, from fresh, fat added in cooking
Onion, young green, cooked, from fresh, NS as to fat added in cooking
Onion, young green, cooked, NS as to form, fat added in cooking
Onion, young green, cooked, NS as to form, NS as to fat added in cooking
Onion-flavored rings
Onions, from fresh, creamed
Onions, mature, cooked or sauteed, from fresh, fat added in cooking
Onions, mature, cooked or sauteed, NS as to form, fat added in cooking
Onions, mature, cooked, from fresh, fat not added in cooking
Onions, mature, cooked, from fresh, NS as to fat added in cooking
Onions, mature, cooked, from frozen, fat not added in cooking
Onions, mature, cooked, from frozen, NS as to fat added in cooking
Onions, mature, cooked, NS as to form, fat not added in cooking
Onions, mature, cooked, NS as to form, NS as to fat added in cooking
Onions, mature, raw
Onions, NS as to form, creamed
Onions, pearl, cooked, from canned
Onions, pearl, cooked, from fresh
Onions, pearl, cooked, NS as to form
Onions, young green, cooked, from fresh, fat not added in cooking
Onions, young green, cooked, NS as to form, fat not added in cooking
Onions, young green, raw
Orange and banana juice
Orange breakfast drink
Orange breakfast drink, calcium fortified
Orange breakfast drink, low calorie
Orange breakfast drink, made from frozen concentrate
Orange drink
Orange drink and orangeade with vitamin C added
Orange juice drink
Orange juice, baby food
Orange juice, canned, bottled or in a carton, unsweetened
Orange juice, canned, bottled or in a carton, with sugar
Orange juice, freshly squeezed
Orange juice, frozen, unsweetened (reconstituted with water)
Orange juice, frozen, unsweetened, not reconstituted
Orange juice, frozen, with calcium added (reconstituted with water)
Orange juice, frozen, with sugar (reconstituted with water)
Orange juice, NFS
Orange juice, with calcium added, canned, bottled or in a carton, unsweetened
Orange sauce (for duck)
Orange, mandarin, canned or frozen, drained
Orange, mandarin, canned or frozen, in light syrup
Orange, mandarin, canned or frozen, juice pack
Orange, mandarin, canned or frozen, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Orange, raw
Orange-apple-banana juice, baby food

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Orange-carrot juice, baby food
Orange-cranberry juice drink
Orange-cranberry juice drink, low calorie, with vitamin C added
Orange-grape-banana juice drink
Orange-lemon drink
Orange-mango juice drink
Orange-peach juice drink
Orange-raspberry juice drink
Orange-white grape-peach juice
Oreo O's cereal, Post
Oriental chicken or turkey garden salad (chicken and/or turkey, lettuce, fruit, nuts), no dressing
Oriental party mix, with peanuts, sesame sticks, chili rice crackers and fried green peas
Oxtail soup
Oyster sauce (white sauce-based)
Oyster stew
Oyster-flavored sauce
Oysters, baked or broiled
Oysters, battered, fried
Oysters, canned
Oysters, cooked, NS as to cooking method
Oysters, floured or breaded, fried
Oysters, raw
Oysters, smoked
Paella with seafood
Paella, Valenciana style, with meat (Paella Valenciana)
Palm hearts, cooked (assume fat not added in cooking)
Pancake syrup, NFS
Pancakes and sausage (frozen meal)
Pancakes, buckwheat
Pancakes, cornmeal
Pancakes, plain
Pancakes, reduced calorie, high fiber
Pancakes, sour dough
Pancakes, whole wheat
Pancakes, with fruit
Pannetone (Italian-style sweetbread)
Papad (Indian appetizer), grilled or broiled
Papaya juice
Papaya juice drink
Papaya nectar
Papaya, cooked or canned, in sugar or syrup
Papaya, dried
Papaya, green, cooked
Papaya, raw
Parmesan cheese topping, fat free
Parsley, cooked (assume fat not added in cooking)
Parsley, raw
Parsnips, cooked, fat added in cooking
Parsnips, cooked, fat not added in cooking
Passion fruit juice
Passion fruit, raw
Pasta salad (macaroni or noodles, vegetables, dressing)
Pasta salad with meat (macaroni or noodles, vegetables, meat, dressing)
Pasta with carbonara sauce
Pasta with cheese and meat sauce
Pasta with cheese and tomato sauce, meatless
Pasta with meat sauce
Pasta with pesto sauce
Pasta with tomato sauce and cheese, canned
Pasta with tomato sauce and frankfurters or hot dogs, canned
Pasta with tomato sauce and meat or meatballs, canned
Pasta with tomato sauce, meatless

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Pasta with vegetable and cheese sauce (diet frozen meal)
Pasta, cooked, corn-based, fat not added in cooking
Pasta, cooked, corn-based, NS as to fat added in cooking
Pasta, meat-filled, with gravy, canned
Pasta, spinach, with vegetables and cheese sauce (diet frozen meal)
Pastry, cheese-filled
Pastry, filled with potatoes and peas, fried
Pastry, fruit-filled
Pastry, Italian, with cheese
Pastry, mainly flour and water, fried
Pastry, Oriental, made with bean or lotus seed paste filling (baked)
Pastry, Oriental, made with bean paste and salted egg yolk filling (baked)
Pastry, puff
Pastry, puff, custard or cream filled, iced or not iced
Pea salad
Pea salad with cheese
Pea soup, canned, prepared with water, low sodium
Pea soup, instant type
Pea soup, NFS
Pea soup, prepared with water
Peach cobbler, baby food, junior
Peach cobbler, baby food, NS as to strained or junior
Peach cobbler, baby food, strained
Peach juice, with sugar
Peach nectar
Peach yogurt dessert, baby food, strained
Peach, cooked or canned, drained solids
Peach, cooked or canned, in heavy syrup
Peach, cooked or canned, in light or medium syrup
Peach, cooked or canned, juice pack
Peach, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Peach, cooked or canned, unsweetened, water pack
Peach, dried, uncooked
Peach, frozen, NS as to added sweetener
Peach, frozen, unsweetened
Peach, frozen, with sugar
Peach, raw
Peaches, baby food, junior
Peaches, baby food, NS as to strained or junior
Peaches, baby food, strained
Peaches, baby food, toddler
Peanut bar
Peanut brittle
Peanut butter
Peanut butter and jelly
Peanut butter and jelly sandwich
Peanut butter morsels
Peanut butter sandwich
Peanut butter, chocolate covered
Peanut butter, low sodium
Peanut butter, reduced fat
Peanut butter, reduced sodium
Peanut butter, vitamin and mineral fortified
Peanut oil
Peanut sauce
Peanuts, boiled
Peanuts, chocolate covered
Peanuts, dry roasted, salted
Peanuts, dry roasted, without salt
Peanuts, honey-roasted
Peanuts, in shell, NFS (shell not eaten)
Peanuts, NFS

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Peanuts, roasted, salted
Peanuts, roasted, without salt
Peanuts, sugar-coated
Pear juice, baby food
Pear nectar
Pear salad with dressing
Pear, cooked or canned, drained solids
Pear, cooked or canned, in heavy syrup
Pear, cooked or canned, in light syrup
Pear, cooked or canned, juice pack
Pear, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Pear, cooked or canned, unsweetened, water pack
Pear, dried, uncooked
Pear, Japanese, raw
Pear, raw
Pears and pineapple, baby food, junior
Pears and pineapple, baby food, strained
Pears, baby food, junior
Pears, baby food, NS as to strained or junior
Pears, baby food, strained
Pears, baby food, toddler
Pear-white grape-passion fruit juice, with added vitamin C
Peas and brown rice, baby food
Peas and carrots, canned, low sodium, fat not added in cooking
Peas and carrots, cooked, from canned, fat added in cooking
Peas and carrots, cooked, from canned, fat not added in cooking
Peas and carrots, cooked, from canned, NS as to fat added in cooking
Peas and carrots, cooked, from fresh, fat not added in cooking
Peas and carrots, cooked, from fresh, NS as to fat added in cooking
Peas and carrots, cooked, from frozen, fat added in cooking
Peas and carrots, cooked, from frozen, fat not added in cooking
Peas and carrots, cooked, from frozen, NS as to fat added in cooking
Peas and carrots, cooked, NS as to form, fat added in cooking
Peas and carrots, cooked, NS as to form, fat not added in cooking
Peas and carrots, cooked, NS as to form, NS as to fat added in cooking
Peas and carrots, from frozen, creamed
Peas and carrots, NS as to form, creamed
Peas and corn, cooked, fat not added in cooking
Peas and corn, cooked, NS as to fat added in cooking
Peas and onions, cooked, fat added in cooking
Peas and onions, cooked, fat not added in cooking
Peas and onions, cooked, NS as to fat added in cooking
Peas and potatoes, cooked, fat not added in cooking
Peas with mushrooms, cooked, fat not added in cooking
Peas, baby food, junior
Peas, baby food, NS as to strained or junior
Peas, baby food, strained
Peas, baby food, toddler
Peas, cooked, from fresh, with mushroom sauce
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, from canned, fat added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, from canned, fat not added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, from canned, NS as to fat added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, from fresh, fat not added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, from fresh, NS as to fat added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, from frozen, fat added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, from frozen, fat not added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, from frozen, NS as to fat added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, NS as to form, fat added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, NS as to form, fat not added in cooking
Peas, cowpeas, field peas, or blackeye peas (not dried), cooked, NS as to form, NS as to fat added in cooking
Peas, from canned, creamed
Peas, from fresh, creamed

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Peas, from frozen, creamed
Peas, green, canned, low sodium, fat not added in cooking
Peas, green, canned, low sodium, NS as to fat added in cooking
Peas, green, cooked, from canned, fat added in cooking
Peas, green, cooked, from canned, fat not added in cooking
Peas, green, cooked, from canned, NS as to fat added in cooking
Peas, green, cooked, from fresh, fat added in cooking
Peas, green, cooked, from fresh, fat not added in cooking
Peas, green, cooked, from fresh, NS as to fat added in cooking
Peas, green, cooked, from frozen, fat added in cooking
Peas, green, cooked, from frozen, fat not added in cooking
Peas, green, cooked, from frozen, NS as to fat added in cooking
Peas, green, cooked, NS as to form, fat added in cooking
Peas, green, cooked, NS as to form, fat not added in cooking
Peas, green, cooked, NS as to form, NS as to fat added in cooking
Peas, green, raw
Peas, NS as to form, creamed
Pecans
Pediasure, with iron, infant formula, NS as to form
Pediasure, with iron, infant formula, ready-to-feed
Pepper steak
Pepper, banana, raw
Pepper, hot chili, raw
Pepper, hot, pickled
Pepper, poblano, raw
Pepper, raw, NFS
Pepper, Serrano, raw
Pepper, sweet, green, raw
Pepper, sweet, red, raw
Peppercorn Dressing
Pepperoni
Pepperpot (tripe) soup
Peppers, green, cooked, fat added in cooking
Peppers, green, cooked, fat not added in cooking
Peppers, green, cooked, NS as to fat added in cooking
Peppers, hot, cooked, from canned, fat added in cooking
Peppers, hot, cooked, from canned, fat not added in cooking
Peppers, hot, cooked, from canned, NS as to fat added in cooking
Peppers, hot, cooked, from fresh, fat added in cooking
Peppers, hot, cooked, from fresh, fat not added in cooking
Peppers, hot, cooked, from fresh, NS as to fat added in cooking
Peppers, hot, cooked, from frozen, fat not added in cooking
Peppers, hot, cooked, NS as to form, fat added in cooking
Peppers, hot, cooked, NS as to form, fat not added in cooking
Peppers, hot, cooked, NS as to form, NS as to fat added in cooking
Peppers, hot, sauce
Peppers, pickled
Peppers, red, cooked, fat added in cooking
Peppers, red, cooked, fat not added in cooking
Peppers, red, cooked, NS as to fat added in cooking
Perch, baked or broiled
Perch, battered, fried
Perch, breaded or battered, baked
Perch, cooked, NS as to cooking method
Perch, floured or breaded, fried
Perch, steamed or poached
Persimmon, raw
Pesto sauce
Pheasant, cooked
Pickles, NS as to vegetable
Pie shell
Pie, apple, diet

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Pie, apple, fried pie
Pie, apple, individual size or tart
Pie, apple, one crust
Pie, apple, two crust
Pie, apricot, fried pie
Pie, apricot, two crust
Pie, banana cream
Pie, berry, not blackberry, blueberry, boysenberry, huckleberry, raspberry, or strawberry, individual size or tart
Pie, berry, not blackberry, blueberry, boysenberry, huckleberry, raspberry, or strawberry; one crust
Pie, berry, not blackberry, blueberry, boysenberry, huckleberry, raspberry, or strawberry; two crust
Pie, blackberry, two crust
Pie, blueberry, individual size or tart
Pie, blueberry, one crust
Pie, blueberry, two crust
Pie, buttermilk
Pie, cherry, fried pie
Pie, cherry, individual size or tart
Pie, cherry, made with cream cheese and sour cream
Pie, cherry, one crust
Pie, cherry, two crust
Pie, chess
Pie, chiffon, not chocolate
Pie, chocolate cream
Pie, chocolate cream, individual size or tart
Pie, chocolate-marshmallow
Pie, coconut cream
Pie, coconut cream, individual size or tart
Pie, custard
Pie, custard, individual size or tart
Pie, individual size or tart, NFS
Pie, lemon (not cream or meringue)
Pie, lemon (not cream or meringue), individual size or tart
Pie, lemon cream
Pie, lemon cream, individual size or tart
Pie, lemon meringue
Pie, mince, individual size or tart
Pie, mince, two crust
Pie, NFS
Pie, oatmeal
Pie, peach, fried pie
Pie, peach, individual size or tart
Pie, peach, one crust
Pie, peach, two crust
Pie, peanut butter cream
Pie, pecan
Pie, pecan, individual size or tart
Pie, pineapple cream
Pie, pineapple, individual size or tart
Pie, pineapple, two crust
Pie, plum, two crust
Pie, praline mousse, with nuts
Pie, prune, one crust
Pie, pudding, chocolate, with chocolate coating, individual size
Pie, pudding, flavors other than chocolate
Pie, pudding, flavors other than chocolate, individual size or tart
Pie, pudding, flavors other than chocolate, with chocolate coating, individual size
Pie, pumpkin
Pie, raisin, individual size or tart
Pie, raisin, two crust
Pie, raspberry, one crust
Pie, raspberry, two crust
Pie, rhubarb, one crust

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Pie, rhubarb, two crust
Pie, shoo-fly
Pie, squash
Pie, strawberry cream
Pie, strawberry, individual size or tart
Pie, strawberry, one crust
Pie, strawberry-rhubarb, two crust
Pie, sweetpotato
Pie, Toll house chocolate chip
Pie, vanilla cream
Pie, yogurt, frozen
Pig in a blanket (frankfurter or hot dog wrapped in dough)
Pigeon pea asopao (Asopao de gandules)
Pigeonpeas, cooked, from canned, fat not added in cooking
Pigeonpeas, cooked, NS as to form, fat not added in cooking
Pike, baked or broiled
Pimiento
Pina Colada
Pina Colada, nonalcoholic
Pinacbet (eggplant with tomatoes, bitter melon, etc.)
Pine nuts (Pignolias)
Pineapple dessert, baby food, junior
Pineapple dessert, baby food, NS as to strained or junior
Pineapple dessert, baby food, strained
Pineapple juice, NS as to sweetened or unsweetened
Pineapple juice, unsweetened
Pineapple juice, unsweetened, with added Vitamin C
Pineapple juice, with sugar
Pineapple juice-non-citrus juice blend, unsweetened, with added vitamin C
Pineapple salad with cream cheese
Pineapple, cooked or canned, drained solids
Pineapple, cooked or canned, in heavy syrup
Pineapple, cooked or canned, in light syrup
Pineapple, cooked or canned, juice pack
Pineapple, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Pineapple, cooked or canned, unsweetened, waterpack
Pineapple, dried
Pineapple, raw
Pineapple-apple-guava juice, with added vitamin C
Pineapple-grapefruit juice drink
Pineapple-grapefruit juice, canned, bottled or in a carton, unsweetened
Pineapple-grapefruit juice, NFS
Pineapple-orange juice drink
Pineapple-orange juice drink with vitamin C added
Pineapple-orange juice, canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Pineapple-orange juice, canned, unsweetened
Pineapple-orange juice, canned, with sugar
Pineapple-orange juice, frozen (reconstituted with water)
Pineapple-orange juice, NFS
Pineapple-orange-banana juice
Pineapple-orange-grapefruit juice drink with vitamin C added
Pink beans, dry, cooked, fat added in cooking
Pink beans, dry, cooked, fat not added in cooking
Pink beans, dry, cooked, NS as to fat added in cooking
Pinto bean soup
Pinto, calico, and red Mexican beans, dry, cooked, fat not added in cooking
Pinto, calico, or red Mexican beans, dry, cooked, fat added in cooking
Pinto, calico, or red Mexican beans, dry, cooked, NS as to fat added in cooking
Pistachio nuts, roasted, salted
Pistachio nuts, roasted, unsalted
Pistachio nuts, unroasted
Pizza rolls

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Pizza topping from meat and vegetable pizza
Pizza topping from meat pizza
Pizza topping from vegetable pizza
Pizza with beans and vegetables, thick crust
Pizza with beans and vegetables, thin crust
Pizza with meat and fruit, NS as to type of crust
Pizza with meat and fruit, thick crust
Pizza with meat and fruit, thin crust
Pizza with meat and vegetables, lowfat, thin crust
Pizza with meat and vegetables, NS as to type of crust
Pizza with meat and vegetables, thick crust
Pizza with meat and vegetables, thin crust
Pizza with meat, NS as to type of crust
Pizza with meat, thick crust
Pizza with meat, thin crust
Pizza with seafood, thick crust
Pizza with seafood, thin crust
Pizza, cheese, NS as to type of crust
Pizza, cheese, thick crust
Pizza, cheese, thin crust
Pizza, cheese, with fruit, thick crust
Pizza, cheese, with vegetables, NS as to type of crust
Pizza, cheese, with vegetables, thick crust
Pizza, cheese, with vegetables, thin crust
Pizza, no cheese, NS as to type of crust
Pizza, no cheese, thick crust
Pizza, no cheese, thin crust
Plain dessert sauce
Plantain chips
Plantain soup, Puerto Rican style (Sopa de platano)
Plantain, boiled, NS as to green or ripe
Plantain, fried, NS as to green or ripe
Plantain, ripe, rolled in flour, fried
Planters Peanut Bar
Plum sauce, Oriental-style
Plum, cooked or canned, in heavy syrup
Plum, cooked or canned, in light syrup
Plum, cooked or canned, juice pack
Plum, raw
Plum, rock salt, dried
Plums with tapioca, baby food, junior
Plums with tapioca, baby food, NS as to strained or junior
Plums with tapioca, baby food, strained
Plums, bananas, and rice, baby food strained
Poke greens, cooked, fat added in cooking
Poke greens, cooked, NS as to fat added in cooking
Polish sausage
Pomegranate, raw
Pompano, baked or broiled
Pompano, cooked, NS as to cooking method
Pompano, floured or breaded, fried
Pompano, raw
Pop Tarts Crunch Cereal
Popcorn cake
Popcorn, air-popped (no butter or no oil added)
Popcorn, air-popped, buttered
Popcorn, flavored
Popcorn, popped in oil, buttered
Popcorn, popped in oil, lowfat
Popcorn, popped in oil, lowfat, low sodium
Popcorn, popped in oil, unbuttered
Popcorn, popped in oil, unsalted

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Popcorn, sugar syrup or caramel-coated
Popcorn, sugar syrup or caramel-coated, fat free
Popcorn, sugar syrup or caramel-coated, with nuts
Popcorn, with cheese
Popover
Poppy seed dressing
Porcupine balls with (mushroom) soup (mixture)
Porcupine balls with tomato-based sauce (mixture)
Porgy, baked or broiled
Porgy, battered, fried
Porgy, breaded or battered, baked
Porgy, cooked, NS as to cooking method
Porgy, floured or breaded, fried
Porgy, raw
Porgy, steamed or poached
Pork and beans
Pork and beef sausage
Pork and beef sausage, brown and serve, cooked
Pork and onions with soy-based sauce (mixture)
Pork and rice soup, stew type, chunky style
Pork and rice with tomato-based sauce (mixture)
Pork and vegetables (excluding carrots, broccoli, and dark- green leafy (no potatoes)), tomato-based sauce (mixture)
Pork and vegetables (excluding carrots, broccoli, and dark- green leafy), soy-based sauce (mixture)
Pork and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), no sauce (mixture)
Pork and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), no sauce (mixture)
Pork and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato-based sauce (mixture)
Pork and vegetables (including carrots, broccoli, and/or dark-green leafy), soy-based sauce (mixture)
Pork bacon, formed, lean meat added, cooked
Pork bacon, NS as to fresh, smoked or cured, cooked
Pork bacon, smoked or cured, cooked
Pork bacon, smoked or cured, cooked, lean only eaten
Pork bacon, smoked or cured, lower sodium
Pork barbecue or Sloppy Joe, on bun
Pork chop, battered, fried, lean and fat eaten
Pork chop, battered, fried, lean only eaten
Pork chop, battered, fried, NS as to fat eaten
Pork chop, breaded or floured, broiled or baked, lean and fat eaten
Pork chop, breaded or floured, broiled or baked, lean only eaten
Pork chop, breaded or floured, broiled or baked, NS as to fat eaten
Pork chop, breaded or floured, fried, lean and fat eaten
Pork chop, breaded or floured, fried, lean only eaten
Pork chop, breaded or floured, fried, NS as to fat eaten
Pork chop, broiled or baked, lean and fat eaten
Pork chop, broiled or baked, lean only eaten
Pork chop, broiled or baked, NS as to fat eaten
Pork chop, fried, lean and fat eaten
Pork chop, fried, lean only eaten
Pork chop, fried, NS as to fat eaten
Pork chop, NS as to cooking method, lean and fat eaten
Pork chop, NS as to cooking method, lean only eaten
Pork chop, NS as to cooking method, NS as to fat eaten
Pork chop, smoked or cured, cooked, lean and fat eaten
Pork chop, smoked or cured, cooked, lean only eaten
Pork chop, smoked or cured, cooked, NS as to fat eaten
Pork chop, stewed, lean and fat eaten
Pork chop, stewed, lean only eaten
Pork chop, stewed, NS as to fat eaten
Pork chow mein or chop suey with noodles
Pork chow mein or chop suey, no noodles
Pork ears, tail, head, snout, miscellaneous parts, cooked
Pork egg foo yung
Pork liver, braised

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Pork liver, breaded, fried
Pork liver, cooked, NS as to cooking method
Pork or ham with soy-based sauce (mixture)
Pork roast, loin, cooked, lean and fat eaten
Pork roast, loin, cooked, lean only eaten
Pork roast, loin, cooked, NS as to fat eaten
Pork roast, NS as to cut, cooked, lean and fat eaten
Pork roast, NS as to cut, cooked, lean only eaten
Pork roast, NS as to cut, cooked, NS as to fat eaten
Pork roast, shoulder, cooked, lean only eaten
Pork roast, shoulder, cooked, NS as to fat eaten
Pork roast, smoked or cured, cooked, lean only eaten
Pork roast, smoked or cured, cooked, NS as to fat eaten
Pork roll, cured, fried
Pork sandwich
Pork sausage rice links, brown and serve, cooked
Pork sausage, brown and serve, cooked
Pork sausage, country style, fresh, cooked
Pork sausage, fresh, bulk, patty or link, cooked
Pork skin, rinds, deep-fried
Pork steak or cutlet, battered, fried, NS as to fat eaten
Pork steak or cutlet, breaded or floured, broiled or baked, lean and fat eaten
Pork steak or cutlet, breaded or floured, broiled or baked, lean only eaten
Pork steak or cutlet, breaded or floured, broiled or baked, NS as to fat eaten
Pork steak or cutlet, breaded or floured, fried, lean and fat eaten
Pork steak or cutlet, breaded or floured, fried, lean only eaten
Pork steak or cutlet, breaded or floured, fried, NS as to fat eaten
Pork steak or cutlet, broiled or baked, lean and fat eaten
Pork steak or cutlet, broiled or baked, lean only eaten
Pork steak or cutlet, broiled or baked, NS as to fat eaten
Pork steak or cutlet, fried, lean and fat eaten
Pork steak or cutlet, fried, lean only eaten
Pork steak or cutlet, fried, NS as to fat eaten
Pork steak or cutlet, NS as to cooking method, lean only eaten
Pork steak or cutlet, NS as to cooking method, NS as to fat eaten
Pork vegetable soup with noodles, stew type, chunky style
Pork with chili and tomatoes (mixture) (Puerco con chile)
Pork with vegetable (excluding carrots, broccoli and/or dark-green leafy) soup, Oriental Style
Pork, barbecue sauce, onions and dill pickles on white roll
Pork, cracklings, cooked
Pork, dehydrated, oriental style
Pork, ground or patty, breaded, cooked
Pork, ground or patty, cooked
Pork, neck bones, cooked
Pork, NS as to cut, breaded or floured, fried, NS as to fat eaten
Pork, NS as to cut, cooked, lean and fat eaten
Pork, NS as to cut, cooked, lean only eaten
Pork, NS as to cut, cooked, NS as to fat eaten
Pork, NS as to cut, fried, lean and fat eaten
Pork, NS as to cut, fried, lean only eaten
Pork, NS as to cut, fried, NS as to fat eaten
Pork, pig's feet, cooked
Pork, pig's feet, pickled
Pork, pig's hocks, cooked
Pork, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)
Pork, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), no sauce (mixture)
Pork, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce (mixture)
Pork, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)
Pork, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), no sauce (mixture)
Pork, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), soy-based sauce (mixture)
Pork, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), soy-based sauce (mixture)
Pork, sliced, with gravy, mashed potatoes, vegetable, dessert (frozen meal)

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Pork, spareribs, barbecued, with sauce, lean and fat eaten
Pork, spareribs, barbecued, with sauce, lean only eaten
Pork, spareribs, barbecued, with sauce, NS as to fat eaten
Pork, spareribs, cooked, lean and fat eaten
Pork, spareribs, cooked, lean only eaten
Pork, spareribs, cooked, NS as to fat eaten
Pork, tenderloin, baked
Pork, tenderloin, battered, fried
Pork, tenderloin, braised
Pork, tenderloin, breaded, fried
Pork, tenderloin, cooked, NS as to cooking method
Pork, tofu, and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)
Pork, tofu, and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-base sauce (mixture)
Pork, vegetable soup with potatoes, stew type
Portuguese bean soup
Postum
Postum, dry powder
Potato and cheese soup
Potato based snacks, reduced fat, low sodium, all flavors
Potato chowder
Potato pancake
Potato puffs, cheese-filled
Potato salad
Potato salad with egg
Potato salad, German style
Potato soup, instant, made from dry mix
Potato soup, NS as to made with milk or water
Potato soup, prepared with milk
Potato soup, prepared with water
Potatoes with cheese and ham, baby food, toddler
Potatoes, baby food, toddler
PowerBar (fortified high energy bar)
Pralines
Pretzel, baby food
Pretzel, hard, chocolate-coated
Pretzel, hard, multigrain
Pretzel, hard, unsalted
Pretzel, oatbran, hard
Pretzel, yogurt-covered
Pretzels, cheese-filled
Pretzels, hard
Pretzels, NFS
Pretzels, soft
Product 19
Prosobee, with iron, infant formula, NS as to form
Prosobee, with iron, infant formula, prepared from liquid concentrate
Prosobee, with iron, infant formula, prepared from powder
Prosobee, with iron, infant formula, ready-to-feed
Protein diet powder with soy and casein
Protein powder, NFS
Protein supplement, milk-based, powdered, not reconstituted
Protein supplement, powdered
Prune juice, NS as to added sweetener
Prune juice, unsweetened
Prune juice, with sugar
Prune, dried, cooked, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Prune, dried, cooked, unsweetened
Prune, dried, cooked, with sugar
Prune, dried, uncooked
Prunes with oatmeal, baby food, strained
Prunes with tapioca, baby food, strained
Prunes, baby food, strained

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Psyllium seed, husks
Pudding pops, chocolate
Pudding, bread
Pudding, canned, chocolate
Pudding, canned, chocolate and non-chocolate flavors combined
Pudding, canned, chocolate, fat free
Pudding, canned, chocolate, reduced fat
Pudding, canned, flavors other than chocolate
Pudding, canned, flavors other than chocolate, fat free
Pudding, canned, flavors other than chocolate, reduced fat
Pudding, canned, low calorie, containing artificial sweetener, chocolate
Pudding, canned, low calorie, containing artificial sweetener, flavors other than chocolate
Pudding, canned, tapioca
Pudding, canned, tapioca, fat free
Pudding, chocolate, prepared from dry mix, milk added
Pudding, chocolate, ready-to-eat, low calorie, containing artificial sweetener, NS as to from dry mix or canned
Pudding, chocolate, ready-to-eat, NS as to from dry mix or canned
Pudding, flavors other than chocolate, prepared from dry mix, low calorie, containing artificial sweetener, milk added
Pudding, flavors other than chocolate, prepared from dry mix, milk added
Pudding, flavors other than chocolate, ready-to-eat, low calorie, containing artificial sweetener, NS as to from dry mix or canned
Pudding, flavors other than chocolate, ready-to-eat, NS as to from dry mix or canned
Pudding, Indian (milk, molasses and cornmeal-based pudding)
Pudding, Mexican bread (Capirotada)
Pudding, NFS
Pudding, pumpkin
Pudding, rice
Pudding, rice flour, with nuts (Indian dessert)
Pudding, tapioca, made from dry mix, made with milk
Pudding, tapioca, made from home recipe, made with milk
Pudding, with fruit and vanilla wafers
Puerto Rican stew (Sancocho)
Puerto Rican white cheese (queso del pais, blanco)
Puffed corn cake
Puffed rice cake
Puffed rice cake without salt
Puffs, fried, crab meat and cream cheese filled
Pumpkin and/or squash seeds, hulled, roasted
Pumpkin and/or squash seeds, hulled, unroasted
Pumpkin, cooked, from canned, fat not added in cooking
Pumpkin, cooked, from fresh, fat not added in cooking
Pumpkin, cooked, from fresh, NS as to fat added in cooking
Pumpkin, cooked, NS as to form, fat not added in cooking
Pumpkin, cooked, NS as to form, NS as to fat added in cooking
Pupusa, cheese-filled
Pupusa, meat-filled
Quail egg, canned
Quail, cooked
Quaker Oat Bran Cereal
Quaker Oat Squares
Quesadilla with cheese, meatless
Quesadilla with meat and cheese
Queso Anejo (aged Mexican cheese)
Queso Asadero
Queso Chihuahua
Queso Fresco
Quiche with meat, poultry or fish
Quisp
Rabbit stew with potatoes and vegetables
Rabbit, NS as to domestic or wild, breaded, fried
Rabbit, NS as to domestic or wild, cooked
Rabbit, wild, cooked
Radicchio, raw

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Radish, Japanese (daikon), cooked, fat not added in cooking
Radish, raw
Radishes, pickled, Hawaiian style
Raisin Bran, Kellogg
Raisin bran, NFS
Raisin Bran, Post
Raisin Bran, Ralston Purina
Raisin Bran, Total
Raisin Grape-Nuts
Raisin Life
Raisin Nut Bran
Raisin sauce
Raisin Squares
Raisins
Raisins, chocolate covered
Raisins, cooked
Raisins, yogurt covered
Rapeseed oil
Raspberries, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Raspberries, frozen, unsweetened
Raspberries, frozen, with sugar
Raspberries, raw, NS as to color
Raspberries, red, raw
Raspberry-flavored drink
Ratatouille
Ravioli, cheese and spinach-filled, with cream sauce
Ravioli, cheese-filled, no sauce
Ravioli, cheese-filled, with meat sauce
Ravioli, cheese-filled, with tomato sauce
Ravioli, cheese-filled, with tomato sauce (diet frozen meal)
Ravioli, cheese-filled, with tomato sauce, baby food, toddler
Ravioli, cheese-filled, with tomato sauce, canned
Ravioli, cheese-filled, with vegetable and fruit (frozen meal)
Ravioli, meat-filled, no sauce
Ravioli, meat-filled, with tomato sauce or meat sauce
Ravioli, meat-filled, with tomato sauce or meat sauce, canned
Ravioli, meat-filled, with tomato sauce, baby food, toddler
Ravioli, NS as to filling, no sauce
Ravioli, NS as to filling, with tomato sauce
Raw vegetable, NFS
Razzle Dazzle Rice Krispies
Recaito (Puerto Rican little coriander)
Red beans and rice
Red kidney beans, dry, cooked, fat added in cooking
Red kidney beans, dry, cooked, fat not added in cooking
Red kidney beans, dry, cooked, NS as to fat added in cooking
Reese's Peanut Butter Cup
Reese's Peanut Butter Puffs cereal
Reese's Pieces
Refried beans
Refried beans with cheese
Refried beans with meat
Reuben sandwich (corned beef sandwich with sauerkraut and cheese), with spread
Rhubarb, cooked or canned, in heavy syrup
Rhubarb, cooked or canned, in light syrup
Rhubarb, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Rhubarb, frozen, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Rice and potato soup, Puerto Rican style
Rice beverage
Rice beverage, Mexican, (Horchata)
Rice cake, cracker-type
Rice casserole with cheese

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Rice cereal with apples, baby food, dry, instant
Rice cereal with applesauce and bananas, baby food, jarred
Rice cereal with bananas, baby food, dry, instant
Rice cereal with mango, baby food, dry, instant
Rice cereal with mixed fruit, baby food, jarred
Rice cereal, baby food, dry, instant
Rice cereal, baby food, jarred, NFS
Rice Chex
Rice dessert bar, frozen, flavors other than chocolate, nondairy, carob covered
Rice dessert or salad with fruit
Rice dressing
Rice Flakes, NFS
Rice Krispies
Rice Krispies Treats Cereal (Kellogg's)
Rice paper
Rice pilaf
Rice soup, NFS
Rice with beans
Rice with beans and chicken
Rice with beans and pork
Rice with beans and tomatoes
Rice with chicken, Puerto Rican style (Arroz con Pollo)
Rice with gravy
Rice with onions, Puerto Rican style (arroz con cebollas)
Rice with raisins
Rice with Spanish sausage, Puerto Rican style
Rice with stewed beans, Puerto Rican style
Rice with vienna sausage, Puerto Rican style (arroz con salchichas)
Rice, brown and wild, cooked, fat added in cooking
Rice, brown and wild, cooked, fat not added in cooking
Rice, brown and wild, cooked, NS as to fat added in cooking
Rice, brown, cooked, instant, fat added in cooking
Rice, brown, cooked, instant, fat not added in cooking
Rice, brown, cooked, instant, NS as to fat added in cooking
Rice, brown, cooked, regular, fat added in cooking
Rice, brown, cooked, regular, fat not added in cooking
Rice, brown, cooked, regular, NS as to fat added in cooking
Rice, brown, with tomato sauce
Rice, cooked with coconut milk (Arroz con coco)
Rice, cooked, NFS
Rice, cooked, NS as to type, fat added in cooking
Rice, cooked, with milk
Rice, cream of, cooked, fat not added in cooking
Rice, creamed
Rice, creamed, made with milk and sugar, Puerto Rican style
Rice, fried, meatless
Rice, fried, with meat and/or poultry
Rice, fried, with shrimp
Rice, frozen dessert, nondairy, flavors other than chocolate
Rice, puffed
Rice, sweet (rice, cooked, with honey)
Rice, white and wild, cooked, fat added in cooking
Rice, white and wild, cooked, fat not added in cooking
Rice, white and wild, cooked, NS as to fat added in cooking
Rice, white, cooked with (fat) oil, Puerto Rican style (Arroz blanco)
Rice, white, cooked, converted, fat added in cooking
Rice, white, cooked, converted, fat not added in cooking
Rice, white, cooked, converted, NS as to fat added in cooking
Rice, white, cooked, glutinous
Rice, white, cooked, instant, fat added in cooking
Rice, white, cooked, instant, fat not added in cooking
Rice, white, cooked, instant, NS as to fat added in cooking

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Rice, white, cooked, regular, fat added in cooking
Rice, white, cooked, regular, fat not added in cooking
Rice, white, cooked, regular, NS as to fat added in cooking
Rice, wild, 100%, cooked, fat not added in cooking
Rice, with broccoli, cheese sauce (frozen side dish)
Rice-vegetable medley
Rigatoni with meat sauce and cheese (diet frozen meal)
Ripe plantain, raw
Ripple Crisp Golden Corn
Ripple Crisp Honey Bran, General Mills
Roast beef sandwich
Roast beef sandwich with bacon and cheese sauce
Roast beef sandwich with cheese
Roast beef sandwich, with gravy
Roast beef spread
Roast beef submarine sandwich, on roll, au jus
Roast beef submarine sandwich, on roll, with lettuce, tomato and spread
Roe, shad, cooked
Roe, sturgeon
Roll, cheese
Roll, egg bread
Roll, French or Vienna
Roll, French or Vienna, toasted
Roll, garlic
Roll, hard, NS as to major flour
Roll, hoagie, submarine
Roll, hoagie, submarine, toasted
Roll, made from home recipe or purchased at a bakery, NS as to major flour
Roll, Mexican, bolillo
Roll, multigrain
Roll, multigrain, toasted
Roll, NS as to major flour
Roll, NS as to major flour, toasted
Roll, oatmeal
Roll, pumpernickel
Roll, pumpernickel, toasted
Roll, rye
Roll, sour dough
Roll, sweet
Roll, sweet, cinnamon bun, frosted
Roll, sweet, cinnamon bun, no frosting
Roll, sweet, crumb topping, Mexican (Pan Dulce)
Roll, sweet, no topping, Mexican (Pan Dulce)
Roll, sweet, sugar topping, Mexican (Pan Dulce)
Roll, sweet, toasted
Roll, sweet, with fruit and nuts, frosted
Roll, sweet, with fruit, frosted
Roll, sweet, with fruit, frosted, diet
Roll, sweet, with fruit, frosted, fat free
Roll, sweet, with fruit, no frosting
Roll, sweet, with nuts, frosted
Roll, sweet, with nuts, no frosting
Roll, sweet, with raisins and icing, Mexican (Pan Dulce)
Roll, wheat or cracked wheat
Roll, wheat or cracked wheat, made from home recipe or purchased at bakery
Roll, white, hard
Roll, white, hard, toasted
Roll, white, soft
Roll, white, soft, made from home recipe or purchased at a bakery
Roll, white, soft, reduced calorie and/or high fiber
Roll, white, soft, reduced calorie and/or high fiber, toasted
Roll, white, soft, toasted

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Roll, whole wheat, 100%
Roll, whole wheat, 100%, made from home recipe or purchased at bakery
Roll, whole wheat, 100%, toasted
Roll, whole wheat, NS as to 100%
Roll, whole wheat, NS as to 100%, toasted
Roll, whole wheat, other than 100% or NS as to 100%, made from home recipe or purchased at bakery
Roll, whole wheat, other than 100% or NS as to 100%, made from home recipe or purchased at bakery, toasted
Rolls, wheat or cracked wheat, toasted
Rolo
Root beer
Root beer, noncarbonated, made from powdered mix, with sugar
Root beer, sugar-free
Rum
Rum and cola
Rum cooler
Rum, hot buttered
Russian dressing
Russian dressing, low-calorie
Rutabaga, cooked, fat added in cooking
Rutabaga, cooked, fat not added in cooking
Saccharin, sugar substitute
Safflower oil
Salad dressing, low calorie, oil-free
Salad dressing, low-calorie, NFS
Salad dressing, NFS
Salami, beef
Salami, dry or hard
Salami, NFS
Salami, soft, cooked
Salisbury steak with gravy (mixture)
Salisbury steak with gravy, macaroni and cheese, vegetable (frozen meal)
Salisbury steak with gravy, potatoes, vegetable (frozen meal)
Salisbury steak with gravy, potatoes, vegetable, dessert (frozen meal, large meat portion)
Salisbury steak with gravy, potatoes, vegetable, soup or macaroni and cheese, dessert (frozen meal)
Salisbury steak with gravy, whipped potatoes, vegetable, dessert (frozen meal)
Salisbury steak with vegetables in tomato-based sauce, noodles (diet frozen meal)
Salisbury steak, potatoes, vegetable, dessert (diet frozen meal)
Salmon cake or patty
Salmon loaf
Salmon salad
Salmon soup, cream style
Salmon, baked or broiled
Salmon, battered, fried
Salmon, canned
Salmon, cooked, NS as to cooking method
Salmon, floured or breaded, fried
Salmon, smoked
Salmon, steamed or poached
Salsa, NFS
Salsa, red, cooked, homemade
Salsa, red, cooked, not homemade
Salsa, red, uncooked
Salt pork, cooked
Salty snack mixture, mostly corn or cornmeal based, with pretzels, without nuts
Salty snacks, corn based puffs and twists, cheese puffs and twists, lowfat
Salty snacks, corn or cornmeal base, corn chips, corn-cheese chips
Salty snacks, corn or cornmeal base, corn chips, corn-cheese chips, unsalted
Salty snacks, corn or cornmeal base, corn puffs and twists; corn-cheese puffs and twists
Salty snacks, corn or cornmeal base, nuts or nuggets, toasted
Salty snacks, corn or cornmeal base, tortilla chips
Salty snacks, corn or cornmeal base, tortilla chips, fat free, made with Olean
Salty snacks, corn or cornmeal base, tortilla chips, light (baked with less oil)

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Salty snacks, corn or cornmeal base, tortilla chips, lowfat, baked without fat
Salty snacks, corn or cornmeal base, tortilla chips, lowfat, baked without fat, unsalted
Salty snacks, corn or cornmeal base, tortilla chips, unsalted
Salty snacks, multigrain, chips
Sandwich loaf, luncheon meat
Sandwich spread
Sangria
Sardines with mustard sauce (mixture)
Sardines with tomato-based sauce (mixture)
Sardines, canned in oil
Sardines, cooked
Sardines, dried
Sardines, skinless, boneless, packed in water
Sauerkraut, canned, low sodium
Sauerkraut, cooked, fat added in cooking
Sauerkraut, cooked, fat not added in cooking
Sauerkraut, cooked, NS as to fat added in cooking
Sausage (not cold cut), NFS
Sausage and cheese on English muffin
Sausage and noodles with cream or white sauce (mixture)
Sausage and peppers, no sauce (mixture)
Sausage and rice with (mushroom) soup (mixture)
Sausage and rice with tomato-based sauce (mixture)
Sausage and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), tomato-based sauce (mixture)
Sausage gravy
Sausage on biscuit
Sausage with tomato-based sauce (mixture)
Sausage, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce
Sausage, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce
Sausage, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)
Sausage, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)
Scallops and noodles with cheese sauce (mixture)
Scallops with cheese sauce (mixture)
Scallops, baked or broiled
Scallops, battered, fried
Scallops, cooked, NS as to cooking method
Scallops, floured or breaded, fried
Scallops, steamed or boiled
Scone
Scone, with fruit
Scotch broth (lamb, vegetables, and barley)
Scrambled egg sandwich
Scrambled egg, made from cholesterol-free frozen mixture
Scrambled egg, made from cholesterol-free frozen mixture with cheese
Scrambled egg, made from cholesterol-free frozen mixture with vegetables
Scrambled egg, made from frozen mixture
Scrambled egg, made from packaged liquid mixture
Scrambled egg, made from powdered mixture
Scrambled eggs, bacon, home fried potatoes (frozen meal)
Scrambled eggs, sausage, hash brown potatoes (frozen meal)
Scrapple, cooked
Screwdriver
Sea bass, baked or broiled
Sea bass, floured or breaded, fried
Sea bass, steamed or poached
Seafood garden salad with seafood, tomato and/or carrots, other vegetables, no dressing
Seafood garden salad with seafood, vegetables excluding tomato and carrots, no dressing
Seafood newburg
Seafood paella, Puerto Rican style (Paella a la marinera)
Seafood restructured
Seafood salad
Seafood souffle

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Seafood soup with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy)
Seafood soup with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy)
Seafood soup with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes))
Seafood soup with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes))
Seafood stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-base sauce
Seafood stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-base sauce
Seasoned shredded soup meat (Ropa vieja, sopa de carne ripiada)
Seaweed soup
Seaweed, dried
Seaweed, prepared with soy sauce
Seaweed, raw
Sesame butter (tahini) (made from kernels)
Sesame Crunch (Sahadi)
Sesame dressing
Sesame oil
Sesame seeds
Seven-layer salad (lettuce salad made with a combination of onion, celery, green pepper, peas, mayonnaise, cheese, eggs, and/or bacon)
Shark, steamed or poached
Shellfish mixture and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-base sauce
Shepherd's pie with beef
Sherbet, all flavors
Shortening, vegetable
Shredded Wheat with Oat Bran
Shredded Wheat, 100%
Shredded Wheat'N Bran
Shrimp and clams in tomato-based sauce, with noodles (frozen meal)
Shrimp and noodles with cheese sauce (mixture)
Shrimp and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)
Shrimp and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)
Shrimp and vegetables in sauce with noodles (diet frozen meal)
Shrimp cake or patty
Shrimp chips (tapioca base)
Shrimp chow mein or chop suey with noodles
Shrimp chow mein or chop suey, no noodles
Shrimp cocktail (shrimp with cocktail sauce)
Shrimp creole, no rice
Shrimp creole, with rice
Shrimp dip, cream cheese base
Shrimp egg foo yung
Shrimp garden salad (shrimp, eggs, tomato and/or carrots, other vegetables), no dressing
Shrimp garden salad (shrimp, eggs, vegetables excluding tomato and carrots), no dressing
Shrimp gumbo
Shrimp in garlic sauce, Puerto Rican style (mixture) (Camarones al ajillo)
Shrimp salad
Shrimp scampi
Shrimp soup, cream of, NS as to prepared with milk or water
Shrimp soup, cream of, prepared with milk
Shrimp soup, cream of, prepared with water
Shrimp teriyaki (shrimp with soy-based sauce) (mixture)
Shrimp toast, fried
Shrimp with crab stuffing
Shrimp with lobster sauce (mixture)
Shrimp, baked or broiled
Shrimp, canned
Shrimp, cooked, NS as to cooking method
Shrimp, curried
Shrimp, dried
Shrimp, floured, breaded, or battered, fried
Shrimp, steamed or boiled
Shrimp-egg patty (Torta de Cameron seco)
Similac PM 60/40, low iron, infant formula, NS as to form

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Similac Special Care 24, with iron, infant formula, NS as to form
Similac, low iron, infant formula, NS as to form
Similac, low iron, infant formula, prepared from liquid concentrate
Similac, low iron, infant formula, prepared from powder
Similac, low iron, infant formula, ready-to-feed
Similac, Toddler's Best, with iron, infant formula, all flavors, ready-to-feed
Similac, with iron, infant formula, NS as to form
Similac, with iron, infant formula, prepared from liquid concentrate
Similac, with iron, infant formula, prepared from powder
Similac, with iron, infant formula, ready-to-feed
Sirloin tips and mushrooms in wine sauce with rotini (diet frozen entree)
Sirloin tips with gravy, potatoes, vegetable (frozen meal)
Sirloin tips, potato, vegetable, fruit (diet frozen meal)
Sirloin, chopped, or swiss steak with gravy, vegetable, potatoes, dessert or muffin (frozen meal)
Sirloin, chopped, with gravy, mashed potatoes, vegetable (frozen meal)
Sixlets
Skittles
SMA, low iron, infant formula, prepared from liquid concentrate
SMA, low iron, infant formula, prepared from powder
SMA, low iron, infant formula, ready-to-feed
SMA, with iron, infant formula, NS as to form
SMA, with iron, infant formula, prepared from liquid concentrate
SMA, with iron, infant formula, prepared from powder
SMA, with iron, infant formula, ready-to-feed
Smelt, battered, fried
Smelt, floured or breaded, fried
Smoked link sausage, pork
Smoked link sausage, pork and beef
Smoked sausage, pork
S'mores Crunch
Snails, cooked, NS as to cooking method
SNICKERS Bar
Snickers Peanut Butter Bar
Snow cone, slurps
Snowpea (pea pod), cooked, from fresh, fat added in cooking
Snowpea (pea pod), cooked, from fresh, fat not added in cooking
Snowpea (pea pod), cooked, from fresh, NS as to fat added in cooking
Snowpea (pea pod), cooked, from frozen, fat added in cooking
Snowpea (pea pod), cooked, from frozen, fat not added in cooking
Snowpea (pea pod), cooked, from frozen, NS as to fat added in cooking
Snowpea (pea pod), cooked, NS as to form, fat not added in cooking
Snowpea (pea pod), cooked, NS as to form, NS as to fat added in cooking
Snowpeas (pea pod), raw
Sofrito, Puerto Rican seasoning
Soft drink, cola-type
Soft drink, cola-type, decaffeinated
Soft drink, cola-type, decaffeinated, sugar-free
Soft drink, cola-type, sugar-free
Soft drink, cola-type, with higher caffeine
Soft drink, fruit flavored, caffeine containing
Soft drink, fruit flavored, caffeine containing, sugar-free
Soft drink, fruit-flavored, caffeine free
Soft drink, fruit-flavored, sugar free, caffeine free
Soft drink, NFS
Soft drink, NFS, sugar-free
Soft drink, pepper-type
Soft drink, pepper-type, decaffeinated
Soft drink, pepper-type, decaffeinated, sugar-free
Soft drink, pepper-type, sugar-free
Soft taco with beef, cheese, and lettuce
Soft taco with beef, cheese, lettuce, tomato and sour cream
Soft taco with chicken, cheese, and lettuce

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Sopa de Fideo Aguada, Mexican style noodle soup
Sopa de tortilla, Mexican style tortilla soup
Sopa seca (dry soup), Mexican style, NFS
Sopa seca de arroz (dry rice soup), Mexican style
Sopa Seca de Fideo, Mexican style, made with dry noodles
Sopaipilla, without syrup or honey
Sorbet and ice cream
Sorbet, fruit, citrus flavor
Sorbet, fruit, noncitrus flavor
Sorghum syrup
Soup, fruit
Soup, mostly noodles
Soup, NFS
Soupy rice mixture with chicken and potatoes, Puerto Rican style
Soupy rice with chicken, Puerto Rican style (Asopao de pollo)
Sour cream
Sour cream, fat free
Sour cream, filled, sour dressing, nonbutterfat
Sour cream, half and half
Sour cream, imitation (non-dairy)
Sour cream, light
Sour cream, reduced fat
Souse
Soy sauce
Soy sauce, reduced sodium
Soyalac, with iron, infant formula, prepared from liquid concentrate
Soyalac, with iron, infant formula, prepared from powder
Soybean curd
Soybean curd cheese
Soybean curd, breaded, fried
Soybean curd, deep fried
Soybean meal
Soybean oil
Soybean soup, made with milk
Soybean soup, miso broth
Soybeans, cooked, fat not added in cooking
Soyburger
Spaghetti and meatballs dinner, NFS (frozen meal)
Spaghetti and meatballs with tomato sauce, sliced apples, bread (frozen meal)
Spaghetti and meatballs with vegetable, dessert (frozen meal)
Spaghetti or noodles with beef in tomato-based sauce, lowfat, reduced sodium (diet frozen meal)
Spaghetti sauce
Spaghetti sauce with beef or meat other than lamb or mutton, homemade-style
Spaghetti sauce with combination of meats, homemade-style
Spaghetti sauce with lamb or mutton, homemade-style
Spaghetti sauce with meat, canned, no extra meat added
Spaghetti sauce with poultry, home-made style
Spaghetti sauce, fat free
Spaghetti sauce, low sodium
Spaghetti with clam sauce, NS as to red or white
Spaghetti with meat and mushroom sauce (diet frozen meal)
Spaghetti with meat sauce (diet frozen meal)
Spaghetti with red clam sauce
Spaghetti with tomato sauce and chicken or turkey
Spaghetti with tomato sauce and frankfurters or hot dogs
Spaghetti with tomato sauce and meatballs or spaghetti with meat sauce or spaghetti with meat sauce and meatballs
Spaghetti with tomato sauce and meatballs, whole wheat noodles or spaghetti with meat sauce, whole wheat noodles or spaghetti with meat sauce and meatballs, whole wheat noodles
Spaghetti with tomato sauce, meatless
Spaghetti with tomato sauce, meatless, made with spinach noodles
Spaghetti with white clam sauce
Spaghetti, cooked, fat added in cooking

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Spaghetti, cooked, fat not added in cooking
Spaghetti, cooked, NS as to fat added in cooking
Spaghetti, cooked, whole wheat, fat not added in cooking
Spaghetti, tomato sauce, and beef, baby food, junior
Spanakopitta
Spanish rice
Spanish rice with ground beef
Spanish-style hot chocolate drink, Puerto Rican style, made with evaporated milk
Special Dark
Special K
Spider-Man, Ralston
Spinach and cheese casserole
Spinach dip, sour cream base
Spinach quiche, meatless
Spinach salad, no dressing
Spinach souffle
Spinach soup
Spinach, cooked, from canned, fat added in cooking
Spinach, cooked, from canned, fat not added in cooking
Spinach, cooked, from canned, NS as to fat added in cooking
Spinach, cooked, from fresh, fat added in cooking
Spinach, cooked, from fresh, fat not added in cooking
Spinach, cooked, from fresh, NS as to fat added in cooking
Spinach, cooked, from frozen, fat added in cooking
Spinach, cooked, from frozen, fat not added in cooking
Spinach, cooked, from frozen, NS as to fat added in cooking
Spinach, cooked, from frozen, with cheese sauce
Spinach, cooked, NS as to form, fat added in cooking
Spinach, cooked, NS as to form, fat not added in cooking
Spinach, cooked, NS as to form, NS as to fat added in cooking
Spinach, cooked, NS as to form, with cheese sauce
Spinach, creamed, baby food, strained
Spinach, from canned, creamed
Spinach, from frozen, creamed
Spinach, NS as to form, creamed
Spinach, potatoes and carrots, baby food
Spinach, raw
Split pea and ham soup
Split pea and ham soup, canned, reduced sodium, prepared with water or ready-to-serve
Split pea soup
Split pea soup, canned, reduced sodium, prepared with water or ready-to-serve
Spoonbread
Sprinkle Spangles
Sprouts, NFS
Squash and corn, baby food, strained
Squash, baby food, junior
Squash, baby food, NS as to strained or junior
Squash, baby food, strained
Squash, spaghetti, cooked, fat not added in cooking
Squash, spaghetti, cooked, NS as to fat added in cooking
Squash, summer, and onions, cooked, fat added in cooking
Squash, summer, and onions, cooked, fat not added in cooking
Squash, summer, casserole with tomato and cheese
Squash, summer, casserole, with cheese sauce
Squash, summer, casserole, with rice and tomato sauce
Squash, summer, cooked, from canned, fat not added in cooking
Squash, summer, cooked, from canned, NS as to fat added in cooking
Squash, summer, cooked, from fresh, fat added in cooking
Squash, summer, cooked, from fresh, fat not added in cooking
Squash, summer, cooked, from fresh, NS as to fat added in cooking
Squash, summer, cooked, from frozen, fat added in cooking
Squash, summer, cooked, from frozen, fat not added in cooking

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Squash, summer, cooked, NS as to form, fat added in cooking
Squash, summer, cooked, NS as to form, fat not added in cooking
Squash, summer, cooked, NS as to form, NS as to fat added in cooking
Squash, summer, from fresh, creamed
Squash, summer, green, raw
Squash, summer, yellow or green, breaded or battered, fried
Squash, summer, yellow, raw
Squash, winter type, baked, fat added in cooking, no sugar added in cooking
Squash, winter type, baked, fat and sugar added in cooking
Squash, winter type, baked, no fat added in cooking, sugar added in cooking
Squash, winter type, baked, no fat or sugar added in cooking
Squash, winter type, baked, NS as to fat or sugar added in cooking
Squash, winter type, mashed, fat added in cooking, no sugar added in cooking
Squash, winter type, mashed, fat and sugar added in cooking
Squash, winter type, mashed, no fat or sugar added in cooking
Squash, winter type, mashed, NS as to fat or sugar added in cooking
Squash, winter, souffle
Squid, baked, broiled
Squid, breaded, fried
Squid, canned
Squid, pickled
Squid, steamed or boiled
Squirrel, cooked
Starchy vegetables, Puerto Rican style, including green or ripe plantains, tannier, yam, white sweetpotato (viandas)
Steak and cheese sandwich, plain, on roll
Steak and cheese submarine sandwich, on roll, with lettuce and tomato
Steak and cheese submarine sandwich, plain, on roll
Steak and cheese submarine sandwich, with fried peppers and onions, on roll
Steak patty (breaded, fried) sandwich, with mayonnaise or salad dressing, lettuce, and tomato, on bun
Steak sandwich, plain, on biscuit
Steak sandwich, plain, on roll
Steak sauce, tomato-base
Steak submarine sandwich, on roll, with lettuce and tomato
Steak tartare (raw ground beef and egg)
Steak teriyaki with sauce (mixture)
Steak, NS as to type of meat, cooked, lean and fat eaten
Steak, NS as to type of meat, cooked, lean only eaten
Steak, NS as to type of meat, cooked, NS as to fat eaten
Stew, NFS
Stewed chicken with tomato-based sauce, Mexican style (mixture) (Pollo guisado con tomate)
Stewed codfish, Puerto Rican style
Stewed codfish, Puerto Rican style (Bacalao guisado)
Stewed corned beef, Puerto Rican style ("Corned beef" guisado)
Stewed cowpeas, Puerto Rican style
Stewed dried beef, Puerto Rican style (Tasajo guisado, carne cecina guisada)
Stewed dry lima beans, Puerto Rican style
Stewed dry red beans, Puerto Rican style (Habichuelas coloradas guisadas)
Stewed gizzards, Puerto Rican style (Mollejitas guisadas)
Stewed goat, Puerto Rican style (Cabrito en fricase, chilindron de chivo)
Stewed pigeon peas, Puerto Rican style (Gandules guisados, Gandur, Gandules)
Stewed pork, Puerto Rican style
Stewed potatoes with tomatoes
Stewed potatoes with tomatoes, Mexican style (Papas guisadas con tomate)
Stewed potatoes, Mexican style (Papas guisadas)
Stewed rice, Puerto Rican style (arroz quisado)
Stewed tripe, Puerto Rican style, with potatoes (Mondongo)
Stewed, seasoned, ground beef with potatoes, Mexican style (Picadillo de carne de rez con papas)
Stewed, seasoned, ground beef, Mexican style (Picadillo de carne de rez)
Strawberries, cooked or canned, in syrup
Strawberries, cooked or canned, NS as to sweetened or unsweetened; sweetened, NS as to type of sweetener
Strawberries, frozen, NS as to added sweetener
Strawberries, frozen, unsweetened

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Strawberries, frozen, with sugar
Strawberries, raw
Strawberries, raw, with sugar
Strawberry juice
Strawberry muesli with pecans and raisins, Ralston
Strawberry Squares
Strawberry-banana-orange juice
Strawberry-flavored drink
Strudel, apple
Strudel, berry
Strudel, cheese
Strudel, cherry
Stuffed cabbage rolls with beef and rice
Stuffed cabbage, with meat and rice, Syrian dish, Puerto Rican style (Repollo relleno con carne y con arroz; Arabe Mihsy Melful)
Stuffed cabbage, with meat and tomato sauce (diet frozen meal)
Stuffed chicken, drumstick or breast, Puerto Rican style (Muslo de pollo o pechuga rellena)
Stuffed grape leaves with beef and rice
Stuffed grape leaves with lamb and rice
Stuffed green pepper (frozen meal)
Stuffed green pepper, Puerto Rican style (Pimiento relleno)
Stuffed pepper, with meat
Stuffed pepper, with rice and meat
Stuffed pepper, with rice, meatless
Stuffed shell, cheese- and spinach- filled, no sauce
Stuffed shells, cheese-filled, no sauce
Stuffed shells, cheese-filled, with meat sauce
Stuffed shells, cheese-filled, with tomato sauce, meatless
Stuffed tannier fritters, Puerto Rican style (Alcapurrias)
Stuffed tomato, with rice, meatless
Submarine, cold cut sandwich, on bun, with lettuce
Sugar (brown) and water syrup
Sugar (white) and water syrup
Sugar cane beverage, Puerto Rican
Sugar substitute, low-calorie, powdered, NFS
Sugar substitute, saccharin-based, liquid
Sugar Twin, brown, sugar substitute
Sugar Twin, sugar substitute
Sugar, brown
Sugar, brown, liquid
Sugar, carmelized
Sugar, cinnamon
Sugar, NFS
Sugar, raw
Sugar, white, confectioner's, powdered
Sugar, white, granulated or lump
Sugar-coated chocolate discs
Sugared pecans (sugar and egg white coating)
Sun Crunchers Cereal, General Mills
Sunflower seeds, hulled, dry roasted
Sunflower seeds, hulled, roasted, salted
Sunflower seeds, hulled, roasted, without salt
Sunflower seeds, hulled, unroasted
Sushi, NFS
Sushi, no vegetables, no fish
Sushi, with vegetables and fish
Sushi, with vegetables, no fish
Sushi, with vegetables, rolled in seaweed
Swedish meatballs with cream or white sauce (mixture)
Sweet and sour chicken or turkey
Sweet and sour dressing
Sweet and sour pork
Sweet and sour pork with rice

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Sweet and sour sauce
Sweet and sour soup
Sweet Crunch, Quaker (formerly called Popeye)
Sweet Puffs, Quaker
Sweetpotato leaves, squash leaves, pumpkin leaves, chrysanthemum leaves, bean leaves, or swamp cabbage, cooked, fat not added in cooking
Sweetpotato with fruit
Sweetpotato, baked, peel eaten, fat not added in cooking
Sweetpotato, baked, peel eaten, NS as to fat added in cooking
Sweetpotato, baked, peel not eaten, fat added in cooking
Sweetpotato, baked, peel not eaten, fat not added in cooking
Sweetpotato, baked, peel not eaten, NS as to fat added in cooking
Sweetpotato, boiled, with peel, fat not added in cooking
Sweetpotato, boiled, without peel, fat added in cooking
Sweetpotato, boiled, without peel, fat not added in cooking
Sweetpotato, boiled, without peel, NS as to fat added in cooking
Sweetpotato, candied
Sweetpotato, canned in syrup
Sweetpotato, canned in syrup, with fat added in cooking
Sweetpotato, canned without syrup
Sweetpotato, canned, NS as to syrup
Sweetpotato, casserole or mashed
Sweetpotato, fried
Sweetpotato, NFS
Sweetpotatoes and chicken, baby food, strained
Sweetpotatoes, baby food, junior
Sweetpotatoes, baby food, NS as to strained or junior
Sweetpotatoes, baby food, strained
Swiss steak
Swordfish, baked or broiled
Swordfish, cooked, NS as to cooking method
Swordfish, floured or breaded, fried
Swordfish, steamed or poached
Syrup, dietetic
Syrup, NFS
Syrup, pancake, reduced calorie
Tabbouleh (bulgar with tomatoes and parsley)
Table fat, NFS
Taco burger, on bun
Taco or tostada salad with beef and cheese, corn chips
Taco or tostada salad with beef and cheese, fried flour tortilla
Taco or tostada salad, meatless, with cheese, fried flour tortilla
Taco or tostada with beans and cheese, meatless, with lettuce, tomato and salsa
Taco or tostada with beans, cheese, meat, lettuce, tomato and salsa
Taco or tostada with beans, meatless, with lettuce, tomato and salsa
Taco or tostada with beef, cheese and lettuce
Taco or tostada with beef, cheese, lettuce, tomato and salsa
Taco or tostada with beef, lettuce, tomato and salsa
Taco or tostada with chicken or turkey, lettuce, tomato and salsa
Taco or tostada with chicken, cheese, lettuce, tomato and salsa
Taco or tostada with fish, lettuce, tomato, salsa
Taco shell, corn
Taco shell, flour
Taffy
Tamale casserole with meat
Tamale casserole, Puerto Rican style (Tamales en cazuela)
Tamale with meat and/or poultry
Tamale, plain, meatless, no sauce, Mexican style
Tamale, sweet
Tamale, sweet, with fruit
Tamarind drink, Puerto Rican (Refresco de tamarindo)
Tamarind pulp, dried, sweetened ("Pulpitas")

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Tang, dry concentrate
Tangelo, raw
Tangerine juice, canned, unsweetened
Tangerine juice, NFS
Tangerine, raw
Tannier, cooked
Taquitoes
Taro chips
Taro leaves, cooked, fat not added in cooking
Taro, baked
Tartar sauce
Tartar sauce, low calorie
Tea, chamomile
Tea, herbal
Tea, leaf, decaffeinated, presweetened with low calorie sweetener
Tea, leaf, decaffeinated, presweetened with sugar
Tea, leaf, decaffeinated, presweetened, NS as to sweetener
Tea, leaf, decaffeinated, unsweetened
Tea, leaf, presweetened with low calorie sweetener
Tea, leaf, presweetened with sugar
Tea, leaf, presweetened, NS as to sweetener
Tea, leaf, unsweetened
Tea, made from frozen concentrate, unsweetened
Tea, made from powdered instant, decaffeinated, presweetened with low calorie sweetener
Tea, made from powdered instant, decaffeinated, presweetened with sugar
Tea, made from powdered instant, decaffeinated, presweetened, NS as to sweetener
Tea, made from powdered instant, decaffeinated, unsweetened
Tea, made from powdered instant, presweetened with low calorie sweetener
Tea, made from powdered instant, presweetened with sugar
Tea, made from powdered instant, presweetened, NS as to sweetener
Tea, made from powdered instant, unsweetened
Tea, NS as to type, decaffeinated, presweetened with low calorie sweetener
Tea, NS as to type, decaffeinated, presweetened with sugar
Tea, NS as to type, decaffeinated, presweetened, NS as to sweetener
Tea, NS as to type, decaffeinated, unsweetened
Tea, NS as to type, presweetened with low calorie sweetener
Tea, NS as to type, presweetened with sugar
Tea, NS as to type, presweetened, NS as to sweetener
Tea, NS as to type, unsweetened
Tea, powdered instant, sweetened, NS as to sweetener, dry
Tea, powdered instant, unsweetened, dry
Team
Temptations, French Vanilla Almond, Kellogg's
Temptations, Honey Roasted Pecan, Kellogg's
Teriyaki sauce
Teriyaki sauce, reduced sodium
Textured vegetable protein, dry
Thousand Island dressing
Thousand Island dressing, low-calorie
Thousand Island dressing, reduced calorie, fat-free, cholesterol-free
Thuringer
Toast, NS as to major flour
Toasted oat cereal
Toasted Oatmeal, Honey Nut (Quaker)
Toaster muffin, fruit, toasted
Toasties, Post
Toasty O's
Toblerone, milk chocolate with honey and almond nougat
Toffee, chocolate covered
Toffee, chocolate-coated, with nuts
Toffee, plain
Tofu yogurt

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Tofu, frozen dessert, chocolate
Tofu, frozen dessert, flavors other than chocolate
Tom Collins
Tomato and corn, cooked, fat not added in cooking
Tomato and cucumber salad made with tomato, cucumber, oil, and vinegar
Tomato and okra, cooked, fat added in cooking
Tomato and okra, cooked, fat not added in cooking
Tomato and okra, cooked, NS as to fat added in cooking
Tomato and onion, cooked, fat added in cooking
Tomato and onion, cooked, fat not added in cooking
Tomato and onion, cooked, NS as to fat added in cooking
Tomato and sofrito stewing sauce, Puerto Rican style
Tomato and vegetable juice, mostly tomato
Tomato and vegetable juice, mostly tomato, low sodium
Tomato aspic
Tomato beef noodle soup, prepared with water
Tomato beef rice soup, prepared with water
Tomato beef soup, prepared with water
Tomato catsup
Tomato catsup, low sodium
Tomato chili sauce (catsup-type)
Tomato juice
Tomato juice with clam or beef juice
Tomato noodle soup, prepared with water
Tomato paste
Tomato puree
Tomato relish
Tomato rice soup, prepared with water
Tomato sandwich
Tomato sauce
Tomato sauce, low sodium
Tomato soup, canned, low sodium, ready-to-serve
Tomato soup, canned, undiluted
Tomato soup, cream of, prepared with milk
Tomato soup, instant type, prepared with water
Tomato soup, NFS
Tomato soup, prepared with water
Tomato vegetable soup with noodles, prepared with water
Tomato vegetable soup, prepared with water
Tomato with corn and okra, cooked, fat added in cooking
Tomato, green, pickled
Tomatoes, canned, low sodium
Tomatoes, cooked, from canned, NS as to method
Tomatoes, cooked, from fresh, NS as to method
Tomatoes, cooked, NS as to form, NS as to method
Tomatoes, from canned, stewed
Tomatoes, from fresh, broiled
Tomatoes, from fresh, stewed
Tomatoes, green, cooked, from fresh
Tomatoes, green, cooked, NS as to form
Tomatoes, green, raw
Tomatoes, NS as to form, broiled
Tomatoes, NS as to form, scalloped
Tomatoes, NS as to form, stewed
Tomatoes, raw
Tomatoes, red, dried
Tomatoes, red, NS as to form, fried
Tongue pot roast, Puerto Rican style (Lengua al caldero)
Tongue, braised
Tongue, cooked, NS as to cooking method
Tongue, smoked, cured, or pickled, cooked
Topping, butterscotch or caramel

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Topping, chocolate flavor, fat free
Topping, chocolate flavored hazelnut spread
Topping, chocolate, hard coating
Topping, chocolate, thick, fudge type
Topping, fruit
Topping, marshmallow
Topping, milk chocolate with cereal
Topping, nut (wet)
Topping, peanut butter, thick, fudge type
Tortellini, cheese-filled, meatless, with tomato sauce
Tortellini, cheese-filled, meatless, with tomato sauce, canned
Tortellini, cheese-filled, meatless, with vinaigrette dressing
Tortellini, cheese-filled, no sauce
Tortellini, cheese-filled, with cream sauce
Tortellini, meat-filled, no sauce
Tortellini, meat-filled, with tomato sauce
Tortellini, meat-filled, with tomato sauce, canned
Tortellini, spinach-filled, no sauce
Tortellini, spinach-filled, with tomato sauce
Tortilla, corn
Tortilla, flour (wheat)
Tortilla, NFS
Tortilla, whole wheat
Total
Total Corn Flakes
Tripe, cooked
Triple cheeseburger (3 patties, 1/4 lb meat each), with mayonnaise or salad dressing and tomatoes, on bun
Triples
Trix
Tropical fruit medley, baby food, strained
Trout, baked or broiled
Trout, battered, fried
Trout, breaded or battered, baked
Trout, floured or breaded, fried
Trout, smoked
Trout, steamed or poached
Truffles
Tuna and rice with (mushroom) soup (mixture)
Tuna cake or patty
Tuna casserole with vegetables and (mushroom) soup, no noodles
Tuna loaf
Tuna noodle casserole with (mushroom) soup
Tuna noodle casserole with cream or white sauce
Tuna noodle casserole with vegetables and (mushroom) soup
Tuna noodle casserole with vegetables, cream or white sauce
Tuna salad
Tuna salad sandwich
Tuna salad sandwich, with lettuce
Tuna salad submarine sandwich, on roll, with lettuce
Tuna salad with cheese
Tuna salad with egg
Tuna with cream or white sauce (mixture)
Tuna, canned, NS as to oil or water pack
Tuna, canned, oil pack
Tuna, canned, water pack
Tuna, fresh, baked or broiled
Tuna, fresh, cooked, NS as to cooking method
Tuna, fresh, floured or breaded, fried
Tuna, fresh, raw
Tuna, fresh, steamed or poached
Turkey and pork sausage, fresh, bulk, patty or link, cooked
Turkey bacon, cooked

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Turkey breakfast sausage, bulk
Turkey breast with gravy, long-grain and wild rice, vegetable (frozen meal)
Turkey dinner, NFS (frozen meal)
Turkey ham
Turkey ham, sliced, extra lean, prepackaged or deli, luncheon meat
Turkey noodle soup
Turkey noodle soup, home recipe
Turkey or chicken breast, prepackaged or deli, luncheon meat
Turkey pastrami
Turkey salad or turkey spread sandwich
Turkey salami
Turkey sandwich, with gravy
Turkey sandwich, with spread
Turkey sausage, reduced fat, brown and serve, cooked
Turkey sausage, smoked
Turkey stick, baby food
Turkey submarine sandwich, on roll, with cheese, lettuce, tomato and spread
Turkey vegetable dinner, baby food, strained
Turkey with dressing, gravy, potato (frozen meal)
Turkey with dressing, gravy, vegetable and fruit (diet frozen meal)
Turkey with gravy (mixture)
Turkey with gravy, dressing, potatoes, vegetable (frozen meal)
Turkey with gravy, dressing, potatoes, vegetable, dessert (frozen meal)
Turkey with gravy, dressing, potatoes, vegetable, dessert (frozen meal, large meat portion)
Turkey with vegetable, stuffing (diet frozen meal)
Turkey, baby food, junior
Turkey, baby food, NS as to strained or junior
Turkey, baby food, strained
Turkey, back, cooked
Turkey, canned
Turkey, dark meat, roasted, NS as to skin eaten
Turkey, dark meat, roasted, skin eaten
Turkey, dark meat, roasted, skin not eaten
Turkey, drumstick, cooked, NS as to skin eaten
Turkey, drumstick, cooked, skin eaten
Turkey, drumstick, cooked, skin not eaten
Turkey, drumstick, roasted, NS as to skin eaten
Turkey, drumstick, roasted, skin eaten
Turkey, drumstick, roasted, skin not eaten
Turkey, drumstick, smoked, cooked, skin eaten
Turkey, ground
Turkey, light and dark meat, roasted, NS as to skin eaten
Turkey, light and dark meat, roasted, skin eaten
Turkey, light and dark meat, roasted, skin not eaten
Turkey, light meat, breaded, baked or fried, skin not eaten
Turkey, light meat, cooked, NS as to skin eaten
Turkey, light meat, cooked, skin eaten
Turkey, light meat, cooked, skin not eaten
Turkey, light meat, roasted, NS as to skin eaten
Turkey, light meat, roasted, skin eaten
Turkey, light meat, roasted, skin not eaten
Turkey, light or dark meat, battered, fried, NS as to skin eaten
Turkey, light or dark meat, smoked, cooked, NS as to skin eaten
Turkey, light or dark meat, smoked, cooked, skin not eaten
Turkey, light or dark meat, stewed, NS as to skin eaten
Turkey, light or dark meat, stewed, skin not eaten
Turkey, neck, cooked
Turkey, NFS
Turkey, nuggets
Turkey, pork, and beef sausage, lowfat, smoked
Turkey, pork, and beef sausage, reduced fat, smoked
Turkey, rice and vegetables, baby food, junior

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Turkey, rice and vegetables, baby food, strained
Turkey, rice, and vegetables, baby food, toddler
Turkey, rolled roast, light or dark meat, cooked
Turkey, tail, cooked
Turkey, thigh, cooked, NS as to skin eaten
Turkey, thigh, cooked, skin eaten
Turkey, thigh, cooked, skin not eaten
Turkey, wing, cooked, NS as to skin eaten
Turkey, wing, cooked, skin eaten
Turkey, wing, cooked, skin not eaten
Turkey, wing, smoked, cooked, skin eaten
Turnip greens with roots, cooked, from fresh, fat not added in cooking
Turnip greens with roots, cooked, from frozen, fat not added in cooking
Turnip greens, cooked, from canned, fat added in cooking
Turnip greens, cooked, from canned, fat not added in cooking
Turnip greens, cooked, from canned, NS as to fat added in cooking
Turnip greens, cooked, from fresh, fat added in cooking
Turnip greens, cooked, from fresh, fat not added in cooking
Turnip greens, cooked, from fresh, NS as to fat added in cooking
Turnip greens, cooked, from frozen, fat added in cooking
Turnip greens, cooked, from frozen, fat not added in cooking
Turnip greens, cooked, NS as to form, fat added in cooking
Turnip greens, cooked, NS as to form, fat not added in cooking
Turnip greens, cooked, NS as to form, NS as to fat added in cooking
Turnip, cooked, from fresh, fat added in cooking
Turnip, cooked, from fresh, fat not added in cooking
Turnip, cooked, from fresh, NS as to fat added in cooking
Turnip, cooked, NS as to form, fat added in cooking
Turnip, cooked, NS as to form, fat not added in cooking
Turnip, cooked, NS as to form, NS as to fat added in cooking
Turnip, raw
Turnips, from fresh, creamed
Turnover or dumpling, apple
Turnover or dumpling, berry
Turnover or dumpling, cherry
Turnover or dumpling, lemon
Turnover or dumpling, peach
Turnover, chicken- or turkey-, and cheese-filled, no gravy
Turnover, chicken- or turkey-, and vegetable-filled
Turnover, guava
Turnover, meat- and bean-filled, no gravy
Turnover, meat- and cheese-filled, no gravy
Turnover, meat- and cheese-filled, tomato-based sauce
Turnover, meat-and vegetable- filled (no potatoes, no gravy)
Turnover, meat-filled, no gravy
Tutti-fruitti pudding, baby food, junior
Tutti-fruitti pudding, baby food, strained
TWIX Chocolate Fudge Cookie Bars
TWIX Cookie Bars
TWIX Peanut Butter Cookie Bars
Uncle Sam's Hi Fiber Cereal
Veal chop, broiled, lean only eaten
Veal chop, broiled, NS as to fat eaten
Veal chop, fried, lean and fat eaten
Veal chop, fried, lean only eaten
Veal chop, NS as to cooking method, lean only eaten
Veal cutlet or steak, broiled, lean only eaten
Veal cutlet or steak, fried, lean only eaten
Veal cutlet or steak, fried, NS as to fat eaten
Veal cutlet or steak, NS as to cooking method, lean only eaten
Veal cutlet or steak, NS as to cooking method, NS as to fat eaten
Veal dinner, NFS (frozen meal)

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Veal fricassee, Puerto Rican style (ternera en fricase)
Veal goulash with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), tomato-base sauce
Veal goulash with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato-base sauce
Veal loaf
Veal Marsala
Veal parmigiana
Veal parmigiana with potatoes, vegetable (frozen meal)
Veal parmigiana with vegetable, fettuccine alfredo, dessert (frozen meal)
Veal patty, breaded, cooked
Veal scallopini
Veal with butter sauce (mixture)
Veal, baby food, strained
Veal, ground or patty, cooked
Veal, NS as to cut, cooked, lean only eaten
Veal, NS as to cut, cooked, NS as to fat eaten
Veal, roasted, lean and fat eaten
Veal, roasted, lean only eaten
Veal, roasted, NS as to fat eaten
Vegetable and bacon, baby food, junior
Vegetable and bacon, baby food, strained
Vegetable and beef, baby food, junior
Vegetable and beef, baby food, strained
Vegetable and chicken, baby food, junior
Vegetable and chicken, baby food, strained
Vegetable and fruit juice drink, with vitamin C added
Vegetable and ham, baby food, junior
Vegetable and ham, baby food, strained
Vegetable and pasta combinations with cream or cheese sauce (broccoli, pasta, carrots, corn, zucchini, peppers, cauliflower, peas, etc.), cooked
Vegetable and turkey, baby food, junior
Vegetable and turkey, baby food, strained
Vegetable bean soup, prepared with water or ready-to-serve
Vegetable beef noodle soup, prepared with water
Vegetable beef soup with noodles or pasta, home recipe
Vegetable beef soup with rice, home recipe
Vegetable beef soup with rice, prepared with water or ready-to-serve
Vegetable beef soup, canned, undiluted
Vegetable beef soup, chunky style
Vegetable beef soup, home recipe
Vegetable beef soup, prepared with milk
Vegetable beef soup, prepared with water
Vegetable broth, bouillon
Vegetable burger or patty, meatless, no bun
Vegetable chicken noodle soup, prepared with water or ready-to-serve
Vegetable chicken or turkey soup, prepared with water or ready-to-serve
Vegetable chicken rice soup, prepared with water or ready-to-serve
Vegetable chicken soup, canned, prepared with water, low sodium
Vegetable combination (excluding carrots, broccoli, and dark-green leafy), cooked, with soy-based sauce
Vegetable combination (green beans, broccoli, onions, mushrooms), cooked, fat not added in cooking
Vegetable combination (green beans, broccoli, onions, mushrooms), cooked, NS as to fat added in cooking
Vegetable combination (including carrots, broccoli, and/or dark-green leafy), cooked, with butter sauce
Vegetable combination (including carrots, broccoli, and/or dark-green leafy), cooked, with cream sauce
Vegetable combination (including carrots, broccoli, and/or dark-green leafy), cooked, with soy-based sauce
Vegetable combinations (broccoli, carrots, corn, cauliflower, etc.), cooked, fat added in cooking
Vegetable combinations (broccoli, carrots, corn, cauliflower, etc.), cooked, fat not added in cooking
Vegetable combinations (broccoli, carrots, corn, cauliflower, etc.), cooked, NS as to fat added in cooking
Vegetable combinations (excluding carrots, broccoli, and dark-green leafy), cooked, with cheese sauce
Vegetable combinations (excluding carrots, broccoli, and dark-green leafy), cooked, with pasta
Vegetable combinations (including carrots, broccoli, and/or dark-green leafy), cooked, with butter sauce and pasta
Vegetable combinations (including carrots, broccoli, and/or dark-green leafy), cooked, with cheese sauce
Vegetable combinations (including carrots, broccoli, and/or dark-green leafy), cooked, with pasta
Vegetable combinations, Oriental style, (broccoli, green pepper, water chestnuts, etc), cooked, fat not added in cooking

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Vegetable combinations, Oriental style, (broccoli, green pepper, water chestnut, etc) cooked, NS as to fat added in cooking
Vegetable combinations, Oriental style, (broccoli, green pepper, water chestnuts, etc), cooked, fat added in cooking
Vegetable lasagna (frozen meal)
Vegetable noodle soup, canned, reduced sodium, prepared with water or ready-to-serve
Vegetable noodle soup, home recipe
Vegetable noodle soup, prepared with water
Vegetable oil, NFS
Vegetable oil-butter spread, reduced calorie, stick, salted
Vegetable oil-butter spread, reduced calorie, tub, salted
Vegetable oil-butter spread, stick, salted
Vegetable oil-butter spread, tub, salted
Vegetable relish
Vegetable rice soup, prepared with water
Vegetable soup with chicken broth, Mexican style (Sopa Ranchera)
Vegetable soup, canned, low sodium, prepared with water or ready-to-serve
Vegetable soup, canned, undiluted
Vegetable soup, chunky style
Vegetable soup, cream of, baby food
Vegetable soup, cream of, made from dry mix, low sodium, prepared with water
Vegetable soup, cream of, prepared with milk
Vegetable soup, dry mix, not reconstituted
Vegetable soup, home recipe
Vegetable soup, made from dry mix
Vegetable soup, prepared with water or ready-to-serve
Vegetable soup, with pasta, chunky style
Vegetable stew without meat
Vegetable sticks, breaded (including corn, carrots, and green beans)
Vegetable tempura
Vegetables and cheese in pastry
Vegetables and rice, baby food, strained
Vegetables in pastry
Vegetables, NS as to type, cooked, fat added in cooking
Vegetables, NS as to type, cooked, fat not added in cooking
Vegetables, NS as to type, cooked, NS as to fat added in cooking
Vegetables, pickled
Vegetables, stew type (including potatoes, carrots, onions, celery) cooked, fat added in cooking
Vegetables, stew type (including potatoes, carrots, onions, celery) cooked, fat not added in cooking
Vegetables, stew type (including potatoes, carrots, onions, celery) cooked, NS as to fat added in cooking
Vegetables, turkey, and barley, baby food, strained
Vegetarian bouillon, dry
Vegetarian chili (made with meat substitute)
Vegetarian meat loaf or patties (meat loaf made with meat substitute)
Vegetarian pot pie
Vegetarian stew
Vegetarian vegetable soup, prepared with water
Venison and noodles with cream or white sauce (mixture)
Venison jerky
Venison steak, breaded or floured, cooked, NS as to cooking method
Venison steak, cooked, NS as to cooking method
Venison stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce
Venison with tomato-based sauce (mixture)
Venison, NFS
Venison, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce (mixture)
Venison, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)
Venison, roasted
Venison, stewed
Venison/deer with gravy (mixture)
Vermicelli, made from soybeans
Vichyssoise soup
Vienna sausage, canned
Vienna sausage, chicken, canned
Vinegar

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Vinegar, sugar, and water dressing
Vodka
Waffle Crisp, Post
Waffle, 100% whole wheat or 100% whole grain
Waffle, fruit
Waffle, multi-bran
Waffle, nut and honey
Waffle, oat bran
Waffle, plain
Waffle, plain, fat free
Waffle, plain, lowfat
Waffle, wheat, bran, or multigrain
Walnuts
Water as an ingredient
Water chestnut
Watercress, raw
Watermelon juice
Watermelon, pickled
Watermelon, raw
Wax candy, liquid filled
Weetabix Whole Wheat Cereal
Weight Watchers Sweet'ner, Sweet 'n Low, powdered, sugar substitute
Welsh rarebit
Whatchamacallit
Wheat bran, unprocessed
Wheat cereal, chocolate flavored, cooked, fat not added in cooking
Wheat cereal, chocolate flavored, cooked, made with milk
Wheat cereal, chocolate flavored, cooked, NS as to fat added in cooking
Wheat Chex
Wheat germ, plain
Wheat germ, with sugar and honey
Wheat hearts, cooked, fat not added in cooking
Wheat, cream of, cooked, instant, fat added in cooking
Wheat, cream of, cooked, instant, fat not added in cooking
Wheat, cream of, cooked, instant, NS as to fat added in cooking
Wheat, cream of, cooked, made with milk
Wheat, cream of, cooked, made with milk and sugar, Puerto Rican style
Wheat, cream of, cooked, NS as to regular, quick, or instant, fat not added in cooking
Wheat, cream of, cooked, NS as to regular, quick, or instant, NS as to fat added in cooking
Wheat, cream of, cooked, quick, fat added in cooking
Wheat, cream of, cooked, quick, fat not added in cooking
Wheat, cream of, cooked, quick, NS as to fat added in cooking
Wheat, cream of, cooked, regular, fat added in cooking
Wheat, cream of, cooked, regular, fat not added in cooking
Wheat, cream of, cooked, regular, NS as to fat added in cooking
Wheat, puffed, plain
Wheat, puffed, presweetened with sugar
Wheaties
Wheaties Honey Gold
Whipped cream substitute, non-dairy, lowfat, low sugar, made from powdered mix
Whipped cream substitute, non-dairy, made from powdered mix
Whipped topping, nondairy, frozen
Whipped topping, non-dairy, frozen, lowfat
Whipped topping, nondairy, NS as to canned, frozen, or made from powdered mix
Whipped topping, nondairy, pressurized can
Whiskey
Whiskey sour
Whiskey sour, nonalcoholic
White bean soup, Puerto Rican style (Sopon de habichuelas blancas)
White beans, dry, cooked, fat added in cooking
White beans, dry, cooked, fat not added in cooking
White beans, dry, cooked, NS as to fat added in cooking

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White pizza, NS as to type of crust
White pizza, thick crust
White pizza, thin crust
White potato chips, fat free, made with Olean
White potato skins, chips
White potato skins, with adhering flesh, baked
White potato skins, with adhering flesh, fried
White potato skins, with adhering flesh, fried, with cheese
White potato skins, with adhering flesh, fried, with cheese and bacon
White potato, baked, peel eaten, fat added in cooking
White potato, baked, peel eaten, fat not added in cooking
White potato, baked, peel eaten, NS as to fat added in cooking
White potato, baked, peel not eaten
White potato, boiled, with peel, fat added in cooking
White potato, boiled, with peel, fat not added in cooking
White potato, boiled, with peel, NS as to fat added in cooking
White potato, boiled, without peel, canned, low sodium, fat not added in cooking
White potato, boiled, without peel, canned, low sodium, NS as to fat added in cooking
White potato, boiled, without peel, fat added in cooking
White potato, boiled, without peel, fat not added in cooking
White potato, boiled, without peel, NS as to fat added in cooking
White potato, chips
White potato, chips, fat free
White potato, chips, reduced fat
White potato, chips, restructured
White potato, chips, restructured, baked
White potato, chips, restructured, fat free, made with Olean
White potato, chips, restructured, reduced fat and reduced sodium
White potato, chips, unsalted
White potato, chips, unsalted, reduced fat
White potato, cooked, with cheese
White potato, cooked, with sauce, NS as to sauce
White potato, dry, powdered, not reconstituted
White potato, french fries, breaded or battered
White potato, french fries, from fresh, deep fried
White potato, french fries, from frozen, deep fried
White potato, french fries, from frozen, oven baked
White potato, french fries, NS as to from fresh or frozen
White potato, from complete dry mix, mashed, made with water
White potato, from dry, mashed, made with milk and fat
White potato, from dry, mashed, made with milk, fat and egg
White potato, from dry, mashed, made with milk, fat, egg and cheese
White potato, from dry, mashed, made with milk, no fat
White potato, from dry, mashed, NS as to milk or fat
White potato, from fresh, mashed, made with fat
White potato, from fresh, mashed, made with milk
White potato, from fresh, mashed, made with milk and fat
White potato, from fresh, mashed, made with milk, fat and cheese
White potato, from fresh, mashed, not made with milk or fat
White potato, from fresh, mashed, NS as to milk or fat
White potato, hash brown, from dry mix
White potato, hash brown, from fresh
White potato, hash brown, from frozen
White potato, hash brown, NS as to from fresh, frozen, or dry mix
White potato, hash brown, with cheese
White potato, home fries
White potato, home fries, with green or red peppers and onions
White potato, mashed, NFS
White potato, NFS
White potato, patty
White potato, puffs
White potato, raw, with or without peel (assume peel not eaten)

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White potato, roasted, fat added in cooking
White potato, roasted, fat not added in cooking
White potato, roasted, NS as to fat added in cooking
White potato, scalloped
White potato, scalloped, with ham
White potato, sticks
White potato, stuffed with ham, broccoli and cheese sauce, baked, peel eaten
White potato, stuffed, baked, peel eaten, NS as to topping
White potato, stuffed, baked, peel eaten, stuffed with bacon and cheese
White potato, stuffed, baked, peel eaten, stuffed with broccoli and cheese sauce
White potato, stuffed, baked, peel eaten, stuffed with cheese
White potato, stuffed, baked, peel eaten, stuffed with chili
White potato, stuffed, baked, peel eaten, stuffed with meat in cream sauce
White potato, stuffed, baked, peel eaten, stuffed with sour cream
White potato, stuffed, baked, peel not eaten, NS as to topping
White potato, stuffed, baked, peel not eaten, stuffed with bacon and cheese
White potato, stuffed, baked, peel not eaten, stuffed with broccoli and cheese sauce
White potato, stuffed, baked, peel not eaten, stuffed with cheese
White potato, stuffed, baked, peel not eaten, stuffed with chicken, broccoli and cheese sauce
White potato, stuffed, baked, peel not eaten, stuffed with chili
White potato, stuffed, baked, peel not eaten, stuffed with sour cream
White rice with tomato sauce
White Russian
White sauce, milk sauce
Whiting, baked or broiled
Whiting, battered, fried
Whiting, breaded or battered, baked
Whiting, floured or breaded, fried
Whole wheat cereal with apples, baby food, dry, instant
Whole wheat cereal, cooked, fat not added in cooking
Whole wheat cereal, cooked, NS as to fat added in cooking
Whole wheat cereal, wheat and barley, cooked, fat added in cooking
Whole wheat cereal, wheat and barley, cooked, fat not added in cooking
Whole wheat cereal, wheat and barley, cooked, NS as to fat added in cooking
Wine cooler
Wine, cooking (assume cooked)
Wine, dessert, sweet
Wine, light
Wine, light, nonalcoholic
Wine, nonalcoholic
Wine, rice
Wine, table, dry
Winter melon, cooked
Won ton soup
Won ton, fried, meat filled
Worcestershire sauce
Yam, Puerto Rican (Name), cooked
Yeast
Yeast extract spread
Yellow rice, cooked, regular, fat added in cooking
Yellow rice, cooked, regular, fat not added in cooking
Yellow rice, cooked, regular, NS as to fat added in cooking
Yogurt dressing
Yogurt, chocolate, nonfat milk
Yogurt, chocolate, NS as to type of milk
Yogurt, chocolate, whole milk
Yogurt, frozen, chocolate, lowfat milk
Yogurt, frozen, chocolate, nonfat milk
Yogurt, frozen, chocolate, nonfat milk, with low-calorie sweetener
Yogurt, frozen, chocolate, NS as to type of milk
Yogurt, frozen, chocolate, whole milk
Yogurt, frozen, cone, chocolate

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Yogurt, frozen, cone, flavors other than chocolate
Yogurt, frozen, cone, flavors other than chocolate, lowfat milk
Yogurt, frozen, flavors other than chocolate, lowfat milk
Yogurt, frozen, flavors other than chocolate, nonfat milk
Yogurt, frozen, flavors other than chocolate, nonfat milk, with low-calorie sweetener
Yogurt, frozen, flavors other than chocolate, NS as to type of milk
Yogurt, frozen, flavors other than chocolate, whole milk
Yogurt, frozen, flavors other than chocolate, with sorbet or sorbet-coated
Yogurt, frozen, NS as to flavor, lowfat milk
Yogurt, frozen, NS as to flavor, nonfat milk
Yogurt, frozen, NS as to flavor, NS as to type of milk
Yogurt, frozen, NS as to flavor, whole milk
Yogurt, frozen, sandwich
Yogurt, fruit variety, lowfat milk
Yogurt, fruit variety, nonfat milk
Yogurt, fruit variety, nonfat milk, sweetened with low-calorie sweetener
Yogurt, fruit variety, NS as to type of milk
Yogurt, fruit variety, whole milk
Yogurt, NS as to type of milk or flavor
Yogurt, plain, lowfat milk
Yogurt, plain, nonfat milk
Yogurt, plain, NS as to type of milk
Yogurt, plain, whole milk
Yogurt, vanilla, lemon, maple, or coffee flavor, lowfat milk
Yogurt, vanilla, lemon, maple, or coffee flavor, nonfat milk
Yogurt, vanilla, lemon, maple, or coffee flavor, nonfat milk, sweetened with low calorie sweetener
Yogurt, vanilla, lemon, or coffee flavor, NS as to type of milk
Yogurt, vanilla, lemon, or coffee flavor, whole milk
Zucchini lasagna (diet frozen meal)
Zucchini soup, cream of, prepared with milk
Zucchini with tomato sauce, cooked, fat not added in cooking
Zucchini, pickled
Zwieback toast

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APPENDIX E. CSFII FOOD DEFINITIONS

Table E-1 presents the FCID recipes for the four distinct food items consumed by the CSFII diary described above. Whole milk is decomposed into fat (3.3%), non-fat solids (8.7%) and milk-water (88%). This composition varies by type of milk (e.g., 1% milk has 1.06% fat), and across other diary products (e.g., 'Cheese, processed, American and Swiss blends' has 31% fat, 24% non-fat solids, and 38% milk-water). The cooking method and food forms are also listed for each commodity. Food forms may vary across the ingredient commodities, e.g., a cheeseburger may have uncooked lettuce (FF=110), and cooked beef (FF=213). Table E-2 presents the coding for the FCID food forms. By convention, 'food form' refers to three fields: 'Cooking Status', 'Food Form' and 'Cooking Method', concatenated in that order. Therefore, food form=110 refers to a fresh, uncooked commodity, such as an 'apple', 'banana', or the fresh 'lettuce' on a cheeseburger.

Table E-1: FCID Recipes for Selected Foods

Ingredient	RAC Code	Commodity (RAC)	Cooking Status	Food Form	Cooking Method	Pct
Milk, cow's, fluid, whole (11111000)						
1	27002220	Milk, fat	1	1	0	3.3
2	27012230	Milk, nonfat solids	1	1	0	8.7
3	27022240	Milk, water	1	1	0	88
Egg, whole, fried with Lard (31105000-100774)						
1	25002930	Pork, fat	2	1	3	4.6
2	70001450	Egg, whole	2	1	3	109
White potato, home fries with Lard (71403000-200001)						
1	1032990	Potato, tuber, w/peel	2	1	3	82.6
2	3002370	Onion, dry bulb	2	1	3	10.6
3	19022740	Pepper, black and white	2	1	3	0.034
4	25002930	Pork, fat	2	1	3	6.8
Chicken, drumstick, with or without bone, roasted, skin eaten (24142210)						
1	40000930	Chicken, meat	2	1	1	78.8
2	40000960	Chicken, fat	2	1	1	11.2
3	40000970	Chicken, skin	2	1	1	10.1

The FCID recipes are important for regulatory decisions since food tolerances are set on raw agricultural commodities. While its nice to know that a typical 'cheeseburger' may contain a certain amount of pesticide residues, the Agency needs to know the expected contributions from beef, lettuce, fresh tomatoes, wheat, etc., to determine exposures from the corresponding agricultural uses (food, feed, livestock, etc.). The FCID **food forms** are also important since the anticipated residues may be refined based on processing studies (e.g., tomato soup may have different residues than fresh tomatoes due to cooking).

Table E-2: Coding for FCID Food Forms

Cooking Status (CS)		Food Form (FF)		Cooking Method (CM)	
Code	**Description**	**Code**	**Description**	**Code**	**Description**
1	Uncooked	1	Fresh or N/S	0	Not specified
2	Cooked	2	Frozen	1	Baked

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	3	Dried	2	Boiled
	4	Canned	3	Fried
	5	Cured, pickled, smoked, salted	4	Fried or baked
	6	Not Applicable	5	Boiled or baked
Following FCID convention, 'Food Form' refers to the concatenation of the three fields: CS-FF-CM; or: Apples (raw) has FF='110'=Uncooked/Fresh/Not specified.				

Table E-3 presents the **total** daily consumption, by commodity (RAC-FF) for the CSFII diary presented in Table 1. These values reflect consumption over all eating occasions, by commodity based on the FCID recipes. Detailed information on the time of day and corresponding amounts consumed are not included in these diaries. The dietary exposure models currently utilize these 'RAC-FF' diaries since it quickens the calculation of 'total daily' exposures used in the Agency's acute dietary risk assessments.

Table E-3: Example Total Daily (RAC-FF) Diary (CSFII ID=28517-2-2: 1 yr, M, 13.6 kg)

Commodity	FCID Code Crop Group-RAC-FF	Total Consumption (gm/kg bwt/day)
Milk, fat	27-002220-110	0.8
Milk, nonfat solids	27-012230-110	2.4
Milk, water	27-022240-110	23.6
Egg, whole	70-001450-213	7.4
Pork, fat	25-002930-213	4.2
Potato, tuber, w/peel	1-032990-213	47
Onion, dry bulb	3-002370-213	6
Pepper, black and white	19-022740-213	0.0
Chicken, meat	40-000930-211	3.0
Chicken, fat	40-000960-211	0.4
Chicken, skin	40-000970-211	0.4

1\ FCID_LL.MDB, Table=FCIDFFCM5

Table E-4 presents the consumption data for the same diary as in Table E-3 but with consumption listed by eating occasion. These data may be used for an eating occasion analyses since they retained the information on the time and amounts of foods (commodities) consumed throughout the 24 hour period.

Table E-4: Example Eating Occasion Diary (CSFII ID=28517-2-2: 1 yr, M, 13.6 kg)

Time of Day	Food Description	Consumption (gm/EO)	FCID Commodity (RAC-FF)	FCID Pct of Total	Consumption (gm/EO)	Amount Consumed (gm/EO/kg)
7:00 AM	Milk, cow's, fluid, whole	6 fl.oz (183)	Milk, fat	3.3	6.1	0.4
			Milk, nonfat solids	8.7	15.9	1.2
			Milk, water	88.0	161.0	11.8

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10:15 AM	Egg, whole, fried W/ LARD	2 XX (92)	Pork, fat	4.6	4.3	0.3
			Egg, whole	109	100.3	7.4
	White potato, home fries W/ LARD	2 C (388)	Potato, tuber, w/peel	82.6	320.4	23.5
			Onion, dry bulb	10.6	41.1	3.0
			Pepper, black and white	0.034	0.1	0.0
			Pork, fat	6.8	26.3	1.9
6:00 PM	Chicken, drumstick, with or without bone, roasted, skin eaten	1 XX (52)	Chicken, meat	78.8	41.0	3.0
			Chicken, fat	11.2	5.8	0.4
			Chicken, skin	10.1	5.2	0.4
	White potato, home fries W/ LARD	2 C (388)	Potato, tuber, w/peel	82.6	320.4	23.5
			Onion, dry bulb	10.6	41.1	3.0
			Pepper, black and white	0.034	0.1	0.0
			Pork, fat	6.8	26.3	1.9
8:00 PM	Milk, cow's, fluid, whole	6 fl.oz (183)	Milk, fat	3.3	6.1	0.4
			Milk, nonfat solids	8.7	15.9	1.2
			Milk, water	88.0	161.0	11.8

US EPA ARCHIVE DOCUMENT

APPENDIX F. NEW FOODS IN 2005 NHANES COMPARED WITH CSFII

ALPEN CEREAL
AMARANTH FLAKES CEREAL
AMERICA'S STORE BRAND SOY, W/ IRON, INF FORMULA, PREP FR PDR
AMERICA'S STORE BRAND, W/IRON, INFANT FORMULA, PREP FROM PDR
ANISETTE TOAST
ARTICHOKE,GLOBE (FRENCH),CKD,FROM CAN,FAT NOT ADDED
ARTICHOKE,GLOBE (FRENCH),CKD,FROM FROZ,FAT NOT ADDED
ASPARAGUS, FROM FROZEN, CREAMED OR W/ CHEESE SAUCE
BAGEL, WHEAT BRAN
BANANA, CHOCOLATE-COVERED, W/ NUTS
BANANAS & PINEAPPLE, BABY,NS AS TO STR/JR
BEANS, LIMA, IMMATURE, CANNED,LOW SODIUM, FAT ADDED
BEANS, LIMA, RAW
BEANS, LIMA,IMMATURE,CANNED,LOW SODIUM,NO FAT ADDED
BEANS, STRING, GREEN, PICKLED
BEANS, STRING, YELLOW, COOKED, NS FORM, FAT ADDED
BEEF AND RICE WITH CHEESE SAUCE (MIXTURE)
BEEF EGG FOO YUNG
BEEF SAUSAGE W/ CHEESE, SMOKED
BEEF STEW, P.R., MEAT W/ GRAVY (POTATO SEPARATE)
BEEF W/ VEGETABLE (DIET FROZEN MEAL)
BEET GREENS, COOKED, FAT NOT ADDED
BERRIES, FROZEN, NFS
BERRY BURST CHEERIOS
BIRD'S NEST SOUP (CHICKEN, HAM, NOODLES)
BLACKBERRY JUICE (INCL BOYSENBERRY JUICE)
BLINTZ, FRUIT-FILLED
BLUEBERRIES, FROZEN, SWEETENED
BREAD, RICE
BREAD, SOY, TOASTED
BREAD, SPROUTED WHEAT
BREAD, SWEETPOTATO
BREAD, WHEAT BRAN, W/ RAISINS
BREAD, WHEAT BRAN, W/ RAISINS, TOASTED
BREAD, WHOLE GRAIN WHITE
BROCCOLI, COOKED, FROM FROZEN, W/ MUSHROOM SAUCE
BROCCOLI, COOKED, NS AS TO FORM, W/ MUSHROOM SAUCE
BURRITO W/ BEEF, BEANS, RICE & CHEESE
BURRITO W/ CHICKEN, BEANS, CHEESE & SOUR CREAM
BURRITO W/ CHICKEN, BEANS, RICE & CHEESE
BURRITO W/ CHICKEN, RICE & CHEESE
BUTTERMILK, FLUID, 1% FAT
CABBAGE, CREAMED
CAKE, ANGEL FOOD, CHOC, WITHOUT ICING
CAKE, APPLESAUCE, DIET, WITHOUT ICING
CAKE, RUM FLAVORED W/O ICING
CAKE, SWEETPOTATO, W/ ICING (INCL WITH GLAZE)
CAKE, TRES LECHE
CAPE COD
CAP'N CRUNCH'S CHRISTMAS CRUNCH CEREAL
CARAMEL, ALL FLAVORS, SUGAR FREE
CARROT W/ RICE SOUP, CREAM OF, W/ MILK
CARROTS, COOKED, FROM CANNED, CREAMED
CASHEW NUTS, HONEY-ROASTED
CELERY, CREAMED
CHALUPA W/ BEEF, CHEESE, LETTUCE, TOMATO & SALSA
CHALUPA W/ BEEF, CHEESE, LETTUCE, TOMATO & SOUR CREAM
CHARACTER CEREALS, TV OR MOVIE, GENERAL MILLS
CHARACTER CEREALS, TV OR MOVIE, KELLOGG'S

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CHEESE FONDUE
CHEESE SPREAD, CREAM CHEESE, LIGHT OR LITE
CHEESE, COTTAGE, W/ VEGETABLES
CHEESE, MEXICAN BLEND
CHEESE, MEXICAN BLEND, REDUCED FAT
CHEESE, NATURAL, CHEDDAR OR AMERICAN TYPE, REDUCED FAT
CHEESE, PARMESAN, DRY GRATED, REDUCED FAT
CHEESE, PROCESSED, W/ WINE
CHEESEBURGER, 1/4 LB MEAT, W/ HAM, ON BUN
CHICK FILLET,BROIL,SANDWICH,W/CHEESE,WW ROLL
CHICKEN FILLET, BROILED, SANDWICH WITH LETTUCE, TOMATO, AND
CHICKEN OR TURKEY & CORN HOMINY SOUP, MEXICAN STYLE (POZOLE)
CHICKEN OR TURKEY SHISH KABOB W/VEGETABLES, EXCL POTATOES
CHICKEN OR TURKEY W/ BBQ SAUCE, SKIN NOT EATEN
CHICKEN SOUP, CANNED, UNDILUTED
CHICKEN STEW, BABY FOOD, TODDLER
CHICKEN SUB SANDWICH, W/ LETTUCE, TOMATO & SPREAD
CHICKEN, BACK
CHICKEN, NS PART,COATED,BKD/FRD,PREP SKINLESS,COAT NOT EATEN
CHICKEN, NS PART,COATED,BKD/FRD,PREP SKINLESS,COATING EATEN
CHICKEN,DRUMSTICK,COATED,BKD/FRD,PPD SKINLESS, COAT EAT
CHICKEN,DRUMSTICK,COATED,BKD/FRD,PPD SKINLESS, COAT NOT EAT
CHICKEN,DRUMSTICK,COATED,BKD/FRD,PPD SKINLESS,NS COAT EAT
CHICKEN,LEG,COATED,BKD/FRD,PPD SKINLESS,COAT EATEN
CHICKEN,LEG,COATED,BKD/FRD,PPD SKINLESS,COAT NOT EATEN
CHICKEN,THIGH,COATED,BKD/FRD,PPD SKINLESS,NS COAT EATEN
CHICKEN/TURKEY SOUP, CM OF, CAN, RED SOD, UNDILUTED
CHILI WITH BEANS, WITHOUT MEAT
CHOCOLATE CANDY WITH FONDANT AND CARAMEL
CLAMS, COOKED, NS AS TO COOKING METHOD
COBBLER, RHUBARB
COCOA W/ WHEY, LO CAL SWEETENER, FORTIFIED, DRY MIX
COCOA W/ WHEY, LO CAL SWEETNR, FORTIFD, WATER ADDED
COCONUT WATER (LIQUID FROM COCONUTS)
COCONUT WATER, CANNED OR BOTTLED
COFFEE & COCOA (MOCHA) MIX,W/WHITENER,PRESWEET, DRY
COFFEE BEVERAGE, FRAPPUCCINO, DECAFFEINATED
COFFEE BEVERAGE, FRAPPUCCINO, REGULAR
COFFEE BREAD, SPANISH
COFFEE, LATTE, DECAF
COFFEE, MOCHA
COFFEE, TURKISH
COLLARDS, COOKED, NS AS TO FORM, FAT NOT ADDED
COOKIE, COCONUT & NUT
COOKIE, MULTIGRAIN, HIGH FIBER
COOKIE, OATMEAL SANDWICH, W/ PEANUT BUTTER & JELLY FILLING
CORN AND SWEETPOTATOES, BABY FOOD, STRAINED
CORN, CREAMED, BABY, JUNIOR
CORN, DRIED, COOKED
CORN, WHITE, COOKED, NS AS TO FORM, FAT ADDED
CORN, YELLOW & WHITE, COOKED, FROM CAN, FAT ADDED
COTTAGE CHEESE W/ GELATIN DESSERT & VEGETABLES
CRACKER, MULTIGRAIN, SALT-FREE
CRACKER, SANDWICH, PEANUT BUTTER FILLED, RED FAT
CRANBERRIES, RAW
CRANBERRY ALMOND CRUNCH, POST
CRAYFISH, BOILED OR STEAMED
CREAM PUFFS, NO FILLING OR ICING
CREAM SUBSTITUTE, FLAVORED, LIQUID
CREAM, HALF & HALF, FAT FREE
CREAM, WHIPPED, PRESSURIZED CONTAINER, LIGHT
CREPE, DESSERT TYPE, CHOCOLATE-FILLED

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CROAKER, BREADED OR BATTERED, BAKED
CROISSANT W/ BACON & EGG
CUCUMBER PICKLE, SWEET, REDUCED SALT
DISNEY CEREALS, KELLOGG'S
DUCK, COOKED, NS AS TO SKIN
DUCK, PRESSED, CHINESE
DUMPLING, PLAIN
EEL, STEAMED OR POACHED
EGG OMELET OR SCRAMBLED EGG, W/ HOT DOGS
EGG, CHEESE & BACON GRIDDLE CAKE SANDWICH
EGG, CHEESE & BACON ON BAGEL
EGG, CHEESE & HAM ON BAGEL
EGG, CHEESE & SAUSAGE GRIDDLE CAKE SANDWICH
EGG, CHEESE & SAUSAGE ON BAGEL
EGG, CHEESE & STEAK ON BAGEL
EGG, WHOLE, FRIED WITHOUT FAT
EGGNOG, ALCOHOLIC
EGGNOG, MADE W/ 2% REDUCED FAT MILK
EMPANADA, MEXICAN TURNOVER, FRUIT-FILLED
EMPANADA, MEXICAN TURNOVER, W/ MEAT & VEGS
ENERGY DRINK
ENFAMIL A.R. LIPIL, INFANT FORMULA, PREP FROM POWDER
ENFAMIL A.R. LIPIL, INFANT FORMULA, READY-TO-FEED
ENFAMIL ENFACARE LIPIL W/IRON, INFANT FORMULA, PREP FROM PDR
ENFAMIL LACTOFREE LIPIL, W/ IRON, INF FORMULA, NS FORM
ENFAMIL LACTOFREE LIPIL, W/IRON, INF FORMULA, FROM LIQ CONC
ENFAMIL LACTOFREE LIPIL, W/IRON, INF FORMULA, RTF
ENFAMIL LACTOFREE LIPIL,W/IRON, INF FORMULA, PREP FROM PDR
ENFAMIL LIPIL, W/ IRON, INFANT FORMULA, PREP FROM PDR
ENFAMIL LIPIL, W/ IRON, INFANT FORMULA, FROM LIQ CONC
ENFAMIL LIPIL, W/ IRON, INFANT FORMULA, NS FORM
ENFAMIL LIPIL, W/ IRON, INFANT FORMULA, RTF
ENFAMIL NUTRAMIGEN LIPIL, W/IRON, INF FORMULA, FROM LIQ CONC
ENFAMIL NUTRAMIGEN LIPIL, W/IRON, INF FORMULA, PREP FROM PDR
ENFAMIL NUTRAMIGEN LIPIL, W/IRON, INF FORMULA, RTF
ENFAMIL PROSOBEE LIPIL, W/ IRON, INF FORMULA, FROM LIQ CONC
ENFAMIL PROSOBEE LIPIL, W/ IRON, INF FORMULA, PREP FROM PDR
ESPRESSO COFFEE BEANS, CHOCOLATE-COVERED
FAVA BEANS, COOKED, NS AS TO ADDED FAT
FISH & NOODLES W/ (MUSHROOM) SOUP (MIXTURE)
FISH, TOFU, & VEGETABLES, TEMPURA, HAWAIIAN
FISH,BREADED/FISH STICKS,W/PASTA,VEG,DES (FRZ MEAL)
FLAUTA W/ BEEF
FLOWERS / BLOSSOMS OF SESBANIA/LILY/SQUASH, NO FAT
FOCACCIA, ITALIAN FLATBREAD, PLAIN
FRIED CHICKEN CHUNKS, P. R. (CHICHARRONES DE POLLO)
FRIED STUFFED POTATOES, P.R. (RELLENOS DE PAPAS)
FROZEN DAIQUIRI MIX, CONCENTRATE, NOT RECONSTITUTED
FROZEN MARGARITA
FRUIT & FIBRE CEREAL, W/ DATES, RAISINS, & WALNUTS
FRUIT DRESSING W/ FRUIT JUICE & CREAM
FRUIT FLAVORED DRINK, LOW CALORIE
FRUIT FLAVORED DRINK, MADE FROM PWDR, LOW CALORIE
FRUIT HARVEST CEREAL, KELLOGG'S
FRUIT JUICE BLEND, INCL CITRUS, 100% JUICE
FRUIT JUICE BLEND, WITH CRANBERRY, 100% JUICE
FRUIT JUICE DRINK, LOW CALORIE
FRUIT JUICE DRINK, REDUCED SUGAR, W/ VIT B1 & VIT C
FRUIT JUICE DRINK, WITH HIGH VITAMIN C, PLUS ADDED CALCIUM
FRUIT SALAD (W/ CITRUS) W/ PUDDING
FRUIT SMOOTHIE DRINK, NFS
FRUIT SMOOTHIE DRINK, W/ FRUIT OR JUICE ONLY (NO DAIRY)

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FUN FRUITS CREME SUPREMES CANDY
GATORADE THIRST QUENCHER SPORTS DRINK
GAZPACHO
GELATIN DRINK, FLAVORED, W/ LOW CALORIE SWEETENER
GELATIN POWDER, SWEETENED, DRY
GELATIN SNACKS
GERBER FINGER FOODS, PUFFS, BABY FOOD
GOAT HEAD, COOKED
GOULASH, NFS
GRAVY, BEEF OR MEAT, HOME RECIPE
GRAVY, POULTRY, HOME RECIPE
GREENS, COOKED, NS AS TO FORM, FAT NOT ADDED
HADDOCK W/ CHOPPED SPINACH (DIET FROZEN MEAL)
HAM & VEG (W/ CARROT/DK GREEN, NO POTATO), NO SAUCE
HAM SANDWICH W/ LETTUCE & SPREAD
HAM, POTATOES & VEG (NO CARROTS/DK GREEN), NO SAUCE
HONEY MUSTARD DRESSING, REDUCED CALORIE
HONEYCOMB CEREAL, STRAWBERRY
HORCHATA BEVERAGE, NFS
ICE CREAM CONE, CHOC-COVERED, CHOC ICE CREAM
ICE CREAM SUNDAE, NOT FRUIT/ CHOC TOP,W/ WHIP CREAM
ICE CREAM SUNDAE, TOPPING NS, W/ WHIPPED CREAM
ITALIAN WEDDING SOUP
KALE, COOKED, NS AS TO FORM, FAT NOT ADDED
KALE,COOKED,FROM FROZEN,FAT ADDED
KALE,COOKED,FROM FROZEN,NS FAT ADDED
KAMIKAZE
KASHI GOLEAN
KASHI GOLEAN CRUNCH
KASHI GOOD FRIENDS
KASHI HEART TO HEART
KELLOGG'S SPECIAL K BAR
KNISH, MEAT (PASTRY FILLED WITH MEAT)
KUNG PAO BEEF
KUNG PAO SHRIMP
LAMB SHISH KABOB W/ VEGETABLES, EXCLUDING POTATOES
LAMB STEW W/ POT & VEG (NO CAR/DK GRN), TOMATO SCE
LAMB, RICE & VEGETABLES (NO CARROT/DK GREEN), GRAVY
LASAGNA WITH CHICKEN OR TURKEY
LASAGNA WITH MEAT
LEMON JUICE, FROZEN
LIGHT ICE CREAM, NO SUGAR ADDED, CHOCOLATE
LIGHT ICE CREAM, NO SUGAR ADDED, NOT CHOCOLATE
LIGHT ICE CREAM, NO SUGAR ADDED, NS AS TO FLAVOR
LIGHT ICE CREAM, SOFT SERVE, BLENDED W/ CANDY OR COOKIES
LIGHT ICE CREAM,CONE, NOT CHOCOLATE (FORMERLY ICE MILK)
LINGUINI W/ VEG & SEAFOOD IN SCE (DIET FROZEN MEAL)
LO MEIN W/ BEEF
LO MEIN W/ CHICKEN (INCL TURKEY)
LO MEIN W/ PORK
LOBSTER W/ BREAD STUFFING,BAKED
MACADAMIA NUTS, UNROASTED
MACARONI, WHOLE WHEAT, FAT ADDED
MACKEREL, RAW
MALT-O-MEAL APPLE & CINNAMON TOASTY O'S
MALT-O-MEAL FROSTED FLAKES
MEAL REPLACEMENT OR SUPPLEMENT, MILK BASED, RTD
MEAT PIE, P.R. (PASTELON DE CARNE)
MILK BEV POWDER W/ NFD MILK, LOW CAL, DRY, NOT CHOC
MILK DESSERT SANDWICH BAR, FROZEN, DIETARY
MILK 'N CEREAL BAR
MILK, CHOCOLATE, LOWFAT MILK BASED

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MILK, COW'S, FLUID, LACTOSE REDUCED, WHOLE
MILK, HUMAN
MILK, SOY, READY-TO-DRINK, NOT BABY'S, CHOCOLATE
MOLE VERDE (SAUCE)
MOOSE, COOKED
MUFFIN, ENGLISH, PUMPERNICKEL
MUFFIN, ENGLISH, WHEAT BRAN, W/ RAISINS
MUFFIN, ENGLISH, WHEAT OR CRACKED WHEAT W/ RAISINS
MUFFIN, ENGLISH, WHOLE WHEAT, NS AS TO 100%
MUFFIN, ENGLISH, WHOLE WHEAT, NS AS TO 100%, WITH RAISINS
MUFFIN, FRUIT AND/OR NUT, LOW FAT
MUSHROOM W/ CHICKEN SOUP, CREAM OF, PREP W/ MILK
MUSHROOMS, FROM CANNED, CREAMED
MUSTARD GREENS, COOKED, NS FORM, NS FAT ADDED
MUSTARD GREENS, RAW
MUSTARD GREENS,COOKED,FROM CANNED,NS FAT ADDED
NAAN, INDIAN FLATBREAD
NACHOS W/ BEANS, NO CHEESE
NECTARINE, COOKED
NOODLE PUDDING,W/ MILK
OATMEAL BEVERAGE, P.R.
OPTIMUM SLIM, NATURE'S PATH
OPTIMUM, NATURE'S PATH
ORANGE SECTIONS, CANNED, JUICE PACK
OYSTERS, STEAMED
PAD THAI WITH CHICKEN
PAD THAI WITH MEAT
PAD THAI WITH SEAFOOD
PAD THAI, MEATLESS
PAD THAI, NFS
PAELLA, NFS
PANCAKES W/ CHOC CHIPS
PASSION FRUIT NECTAR
PASTA WITH VEGETABLES, NO SAUCE OR DRESSING
PASTRAMI SANDWICH
PEANUT BAR, CHOCOLATE COVERED CANDY
PEANUT BUTTER, REDUCED SUGAR
PEAR, DRIED, COOKED, W/ SUGAR
PEARS & PINEAPPLE, BABY, NS AS TO STR OR JR
PEAS & CORN, COOKED, FAT ADDED
PEAS, GREEN, CANNED, LOW SODIUM, FAT ADDED
PIGEON PEAS, COOKED, FROM FRESH, FAT NOT ADDED
PISTACHIO NUTS
PLUM, COOKED OR CANNED, DRAINED SOLIDS
PLUM, COOKED OR CANNED, NS AS TO ADDED SWEETENER
POMPANO, BATTERED, FRIED
POMPANO, STEAMED OR POACHED
PORK & VEGETABLES, HAWAIIAN STYLE (MIXTURE)
PORK CHOPS STEWED W/VEG, P.R. (CHULETAS A LA JARD.)
PORK ROAST, SMOKED OR CURED, COOKED, LEAN & FAT
PORK SKIN, BOILED
PORK STEAK OR CUTLET, BATTERED, FRIED, LEAN ONLY
PORK STEAK, NS AS TO COOKING METHOD, LEAN & FAT
PORK W/ RICE, VEG, IN SOY-BASE SCE (DIET FROZ MEAL)
PORK, NS AS TO CUT, BREADED, FRIED, LEAN ONLY
PORK, RICE & VEG (NO CAR/DK GRN), TOMATO SAUCE
POWERADE SPORTS DRINK
PRETZELS, SOFT, UNSALTED
PROPEL FITNESS WATER
PUMPKIN & SQUASH SEEDS, HULLED, ROASTED, NO SALT
QUESADILLA W/ POULTRY & CHEESE
RACCOON, COOKED

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RAISIN BRAN CRUNCH, KELLOGG'S
RASPBERRIES, CKD OR CND, UNSWEETENED, WATER PACK
RAVIOLI, CHEESE AND SPINACH FILLED, WITH TOMATO SAUCE
RED BULL ENERGY DRINK
REESE'S FAST BREAK
REESE'S STICKS
RHUBARB, RAW
RICE W/ PEAS
RICE W/ VEGETABLES, TOMATO-BASED SAUCE (MIXTURE)
RICE WITH VEGETABLES, NO SAUCE
RICE, FRIED, W/ BEEF
RICE, FRIED, W/ CHICKEN (INCL TURKEY)
RICE, FRIED, W/ PORK
ROLL, OAT BRAN
ROLL, SWEET, W/ FRUIT & NUTS, NO FROSTING
SALAMI SANDWICH W/ SPREAD
SALISBURY STEAK W/ TOM SAUCE, VEG (DIET FROZ MEAL)
SALISBURY STEAK W/GRAV,MACARONI & CHEESE (FRZ MEAL)
SALTY SNACKS, WHEAT-AND CORN-BASED CHIPS
SANDWICH SPREAD, MEAT SUBSTITUTE TYPE
SANDWICH, NFS
SAUSAGE & RICE W/ CHEESE SAUCE (MIXTURE)
SAUSAGE & VEG (INCL CAR/DK GRN)(NO POT), TOM SAUCE
SAUSAGE BALLS (MADE W/ BISCUIT MIX & CHEESE)
SAUSAGE GRIDDLE CAKE SANDWICH
SAUSAGE SANDWICH
SCOOBY DOO CEREAL, KELLOGG'S
SCRAMBLED EGGS W/ JERKED BEEF, P.R.
SEABREEZE
SESAME PASTE
SESAME SAUCE
SEVEN AND SEVEN
SHELLFISH & NOODLES, TOMATO-BASED SAUCE
SHELLFISH & VEG(INCL CAR/DK GRN)(NO POT),SOUP SAUCE
SHIRLEY TEMPLE
SHRIMP W/ RICE, VEGETABLE (FROZEN MEAL)
SIMILAC ADVANCE, W/ IRON, INFANT FORMULA, FROM LIQ CONC
SIMILAC ADVANCE, W/ IRON, INFANT FORMULA, NS FORM
SIMILAC ADVANCE, W/ IRON, INFANT FORMULA, PREP FROM PDR
SIMILAC ADVANCE, W/ IRON, INFANT FORMULA, RTF
SIMILAC ALIMENTUM ADVANCE, W/ IRON,INF FORMULA,PREP FROM PDR
SIMILAC ISOMIL ADVANCE W/IRON, INFANT FORMULA, FROM LIQ CONC
SIMILAC ISOMIL ADVANCE W/IRON, INFANT FORMULA, PREP FROM PDR
SIMILAC LACTOSE FREE ADVANCE,W/ IRON,INF FORMULA,PREP FR PDR
SIMILAC LACTOSE FREE ADVANCE,W/ IRON,INF FORMULA,RTF
SIMILAC NEOSURE ADVANCE, W/IRON,INFANT FORMULA,PREP FR PDR
SMART START, KELLOGG'S
SMORZ, KELLOGG'S
SOFT DRINK, COLA TYPE, REDUCED SUGAR
SOFT FRUIT CONFECTION
SOFT TACO W/ BEEF, CHEESE, LETTUCE, TOMATO & SALSA
SOFT TACO W/ CHICKEN, CHEESE, LETTUCE, TOMATO & SOUR CREAM
SOUP, CREAM OF, NFS
SOY NUTS
SPAGHETTI SAUCE W/ MEAT & VEGETABLES, HOMEMADE-STYLE
SPAGHETTI SAUCE W/ VEGETABLES, HOMEMADE-STYLE
SPAGHETTI W/ TOMATO & MEAT SAUCE, SPINACH NOODLES
SPAGHETTI W/ TOMATO SAUCE & VEGETABLES
SPAGHETTI, COOKED, WHOLE WHEAT, FAT ADDED
SPAGHETTI, COOKED, WHOLE WHEAT, NS AS TO ADDED FAT
SPAGHETTI, WHOLE WHEAT, W/ TOMATO SAUCE, MEATLESS
SPECIAL K RED BERRIES

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SPECIAL K VANILLA ALMOND
SPINACH, COOKED, FROM FRESH, W/ CHEESE SAUCE
SPINACH, FROM FRESH, CREAMED
SQUASH, SUMMER, BREADED, BAKED
SQUASH, SUMMER, COOKED, FROM FROZ, NS FAT ADDED
SQUASH, SUMMER, FROM CANNED, CREAMED
SQUID, DRIED
STARCHY VEGETABLES, P.R., NO PLANTAINS
STEWED BEANS W/ PORK, TOMATOES, & CHILI PEPPERS, MEXICAN
STRAWBERRIES, CKD OR CND, UNSWEETENED, WATER PACK
SUCRALOSE-BASED SWEETENER, SUGAR SUBSTITUTE
SUGAR SUB, HERBAL EXTRACT SWEETENER, LIQUID
SUGAR SUB, HERBAL EXTRACT SWEETENER, POWDER
SUKIYAKI (STIR FRIED BEEF & VEGS IN SOY SAUCE)
SWEET & SOUR SHRIMP
SWEET POTATO, CHIPS
SWEETPOTATO, BAKED, PEEL EATEN, FAT ADDED
TAMALE WITH CHICKEN
TAMALE WITH MEAT
TAMALE, MEATLESS, W/ SAUCE, P.R. OR CARIBBEAN STYLE
TAMARIND CANDY
TAMARIND, RAW
TAQUITOS WITH CHICKEN
TAQUITOS WITH MEAT
TEA, HERBAL, PRESWEETENED W/ LOW CAL SWEETENER
TEA, HERBAL, PRESWEETENED W/ SUGAR
TEA, HERBAL, PRESWEETENED, NS AS TO SWEETENER
TEQUILA SUNRISE
TERIYAKI CHICKEN W/ RICE & VEGETABLE (DIET FROZ MEAL)
TILAPIA, BAKED OR BROILED
TILAPIA, BATTERED, FRIED
TILAPIA, FLOURED OR BREADED, FRIED
TIRAMISU
TOFU & VEG (NO CARROT/DK GRN, NO POTATO) W/ SOY SAUCE
TOFU & VEG (W/ CARROT/DK GRN, NO POTATO) W/ SOY SAUCE
TOMATO JUICE COCKTAIL
TOMATO JUICE, LOW SODIUM
TOMATO NOODLE SOUP, CREAM OF
TOPPING FROM CHEESE PIZZA
TROUT, COOKED, NS AS TO COOKING METHOD
TURKEY TETRAZZINI (FROZEN MEAL)
TURKEY, HAM, AND ROAST BEEF CLUB SANDWICH
TURKEY, LIGHT MEAT, BREADED, BAKED/FRIED, W/ SKIN
TURKEY, RICE & VEGETABLES, BABY, NS AS TO STR OR JR
TURNIP GREENS, CANNED, LOW SODIUM, FAT NOT ADDED
TURNIP GREENS,COOKED,FROM FROZEN,NS FAT ADDED
TURNIP, COOKED, FROM FROZ, FAT ADDED
TURNOVER, FILLED W/ EGG, MEAT & CHEESE
TURNOVER, MEAT- & CHEESE-FILLED, LOWER FAT
TURNOVER, MEAT- & CHEESE-FILLED, TOMATO SAUCE, LOWER FAT
TURNOVER,MEAT- POTATO- & VEGETABLE-FILLED NO GRAVY
VEAL W/ GRAVY (MIXTURE)
VEG COMBINATION (NO CAR, DK GRN), W/ CREAM SAUCE
VEGETABLE SOUP, FROM DRY MIX, LOW SODIUM
VEGETABLE SUBMARINE SANDWICH
VEGETARIAN BURGER OR PATTY, MEATLESS, NO BUN
VENISON/DEER, POTATOES & VEG (NO CAR/DK GRN), GRAVY
VIENNA SAUSAGES STEWED W/ POTATOES, P.R.
VITAMIN WATER
WALNUTS, HONEY-ROASTED
WATER, BOTTLED, SWEETENED, WITH LOW OR NO CALORIE SWEETENER
WATER, BOTTLED, UNSWEETENED

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WATER, TAP
WATERCRESS, COOKED, FAT NOT ADDED IN COOKING
WHEY, SWEET, DRY
WHIPPED TOPPING, NON DAIRY, FROZEN, FAT FREE
WHITE POT, BAKED, STUFFD W/ MEAT IN CRM SC, NO PEEL
WHITE POTATO, CANNED, LOW SODIUM, FAT ADDED
WHITE POTATO, COOKED, WITH HAM AND CHEESE
WHITE POTATO, FRESH, MASHED, MADE W/ MILK/SOUR CRM/CHEZ
WHITE POTATO, FRESH, MASHED, MADE W/ MILK/SOUR CRM/CHEZ &FAT
WHITE POTATO, FRESH, MASHED, MADE W/ SOUR CRM/CHEZ & FAT
WHITE POTATO,BAKED,STUFF W/ BUTTER/MARG, NO PEEL
WHITE POTATO,BAKED,STUFF W/ BUTTER/MARG, PEEL EATEN
WILD PIG, SMOKED
WINE SPRITZER
WINE, TABLE, RED
WINE, TABLE, WHITE
WRAP SANDWICH, W/ MEAT, POULTRY OR FISH & VEGETABLES
WRAP SANDWICH, W/ MEAT, POULTRY OR FISH, VEGETABLES & CHEESE
WRAP SANDWICH, W/ VEGETABLES
YOGURT CHIPS
YOGURT, FROZEN, CHOCOLATE-COATED
YOGURT, FRUIT VARIETY, LOWFAT MILK, W/ LOW CAL SWEETENER

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APPENDIX G: ANNOTATED SHEDS-DIETARY SAS CODE

Program: N_DIET_ALL.SAS

This is the overall program for the SHEDS-Dietary module. It calls various programs to run the dietary simulation.

```
options nosource nonotes nomprint;


* start up dietary input file SAS libname;
libname diet_o ".\diet_all";
libname def ".\diet_all\def";


* call other important macro programs into memory;
%inc "./user/inc_macro.sas";
%inc "./user/inc_in_mdl_conv.sas";
%inc "./user/inc_diet_mdl.sas";
%inc "./user/inc_diet_long_occ.sas";
%inc "./user/inc_pre_in.sas";
%inc "./user/inc_diet_mdl_co.sas";

%global loop_ii ;


* cross-sectional single chemical dietary exposure simulation;
%macro i_diet_mdl;
 %if (&mm_type ne 3) %then %do;
  %let out_prex=%trim(&b_outlib).%left(&a_out_prex);
 %end;


%lst_time(start:);
%if (&a_conv=1) %then %do;
   * import and process residue files with bridge file into RAC linked final
residue file so that
     residue files can be linked with dietary consumption data;
  %in_mdl_conv(&a_bridge,%trim(&a_bridge)_idx,&RESIDUEDIR,br_539,res_539);

  %lst_time(data conversion);


%end;
%else %do;
 %br_link(&a_bridge,br_539);

  data res_539;
    set &bb_final_res;
  run;
```


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```
%lst_time( no data conversion);

%end;
* set up age group;
%i_agesex_sel(&data_agegroup);

*** read residue files and generate macro variables for residue, lod and so
on so that other
macro programs can use;

%i_res_gen(res_539);


*** read bridge file and commodity code, the later is for subset records for
dietary data;

%i_bridge_read(br_539,__bridge,a_comcode_select);

*** process dietary and residue data and merge two data together for
calculation of the exposure;
%i_diet_mg(&bb_diet,&bb_smpl,&bb_id,
        a_comcode_select,dietData);

%lst_time(overhead:);
 %do loop=1 %to &a_loop_num;
    %let loop_ii=&loop;
   %if (&b_diet_water=3 and %length(&bb_wt)> 0 and  %length(&bb_w_res)> 0)
%then %do;
       *** Calculate exposure from drinking water;
        %i_res_cal_water(&bb_wt,&bb_w_res,&out_prex.w_&loop);
            %if (&loop=1) %then %put water module included;
   %end;
   %else %do;
      %if (&loop=1) %then %put water module NOT included;
   %end;

*** using simulation to calculate dietary exposure from dietary consumption
  data, residue data, bridge file and so on;
    %i_exp_ug_rd(dietData,&out_prex.&loop,&oo_usage);
    %lst_time(&loop: );

 %end;
%mend i_diet_mdl;


*****************************************************************************
SHEDS dietary for multiple pollutants with co-occurance

*****************************************************************************
;



%macro diet_mdl_co(in_age,in__code,in__pf,_bridge,_res_or,_prex,_loopNum,
             diet_id,diet_file,w_data,w_res,b_diet_water);
    %lst_time(start time:);
**** convert bridge and residue and merge two key files together;
```


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```
 %co_conv(&_bridge,&_res_or,&in__code,final_res);
   %lst_time(done with import residue file:);


*** macro used for generate array varriables, Relative potent factors and
number
of pollutants for multiple pollutant exposure simulation;

%gen_arr(&in__code,ug_ rr_ pf_ oo_ ppm_);
*** process dietary and residue data and merge two data together for
calculation of the exposure;
%dta_mg(&in_age,final_res,&in__pf,z_com_match);
%lst_time(done with DTA_MG:);

%do ii=1 %to &_loopNum;
  %let loop_ii=&ii;

  *** using simulation to calculate dietary exposure from dietary consumption
  data, residue data, bridge file and so on;

%rd_run(z_com_match,&_prex.&ii);
%if (&b_diet_water=3) %then %do;
*** Calculate exposure from drinking water;

  %cal_water(&w_data,&w_res,&_prex.w_&ii);
  %if (&ii=1) %then %put *** diet and water ***;
%end;
%else %do;
  %if (&ii=1) %then %put *** diet ONLY ***;
%end;


%lst_time(done with &ii:);
%end;
%mend diet_mdl_co;


*****************************************************************************
SHEDS longitudinal data assemble.

There are three methods.

eight: Eight diary by season and week day and weekend
new:   DA method using intra- and inter personal variance and auto
correlation
day:   Assembling two-day dietary one by one from different interactions

*****************************************************************************
;

%macro
a_long_diet(agegrp,dta_prex,dta_num,exp_va,diet_type,method,key_va,diaryD,dia
ryamean,
                   out_lib,out_name,n_person,date_st,date_nd);
  %global pooloffset poolcount numdraws numdays mfrac
           age gender weight diaryT diaryA;
%let out_keep_var=id date age_group diary_age loop &exp_va &key_va weight ;
```


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```
proc datasets lib=&out_lib nolist;
  delete &out_name;
run;

%put **** &method ****;

 %if %lowcase(&method)=day %then %do;
  %dayDiarySelection(&agegrp,&dta_prex,&dta_num,&exp_va,&diet_type,&method,
                    %trim(&out_lib).&out_name,&date_st);
 %end;
 %else %do;

 *** pre-process SHEDS-dietary output data ,subet, summary and add new
variables etc;
%pre_diet(&dta_prex,diet_o.&diet_type._key,&agegrp,&dta_num,&key_va,&exp_va,l
ong_link);

* generate calendar tiem series and work on some parameters for three
assembling methos;

%pre_mfiles(&agegrp,Long_link,&method,&key_va,&date_st,&date_nd,0,&n_person);
  %do person=1 %to &n_person;
    %let loop_ii=&person;
    *options notes mprint;
      * generate the personal information for each simulated person for
longitudinal data;

    %OnePerson(&person);
      * macro for three methods to assemble longitudinal data
        check inc_diet_long_occ.sas for detail;
      %&method.DiarySelection(%trim(&out_lib).&out_name);
       %lst_time(long &long_lbl &person done:);
  %end;
 %end;
%mend a_long_diet;


*** overall macro for dietary module to call various parts of program for
dietary simulation;

%macro t_diet_mdl;
 %if (&mm_type=1) %then %do;
   %i_diet_mdl;
 %end;
 %else %if (&mm_type=2) %then %do;

%diet_mdl_co(&data_agegroup,&a_code,&a_pf,&a_bridge,&bb_final_res,&out_prex,&
a_loop_num,
             &bb_smpl,&bb_diet,&bb_wt,&bb_w_res,&b_diet_water);
 %end;
 %else %if (&mm_type=3) %then %do;
   %let l_keyvar=tot_cal;
   %let a_exp_va=exp_ug;
   %let l_out=&l_out;

   %let a_simBegin=%sysfunc(&l_simBegin);
```


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```
   %let a_simEnd=%sysfunc(&l_simEnd);

************************;

%*let out_prex=%trim(&l_in).%left(&a_out_prex);
%if (&b_outlib=) %then %let b_outlib=&l_in;
%let out_prex=%trim(&b_outlib).%left(&a_out_prex);



************************;
 %lst_macro(i_longtype i_type data_agegroup out_prex a_loop_num
            a_exp_va a_diet_type l_diaryMethod
            l_keyvar l_diaryD l_diaryAmean
            l_out l_out_prex
            l_numpersons l_simBegin  l_simEnd,**** longitudinal model *****);


**** daybyday method num of crossection;
     %if (&i_type=2) %then %do;
          %pest_vaOut(&a_code,py_list);
     %end;
       %else %let py_list=exp_ug;

%IF (&i_longtype ne 2) %then %do;
   %if (&i_type=1) %then %do;
     %let py_list=&a_exp_va;
     %i_diet_mdl;
   %end;
   %else %if (&i_type=2) %then %do;



%diet_mdl_co(&data_agegroup,&a_code,&a_pf,&a_bridge,&bb_final_res,&out_prex,&
a_loop_num,
             &bb_smpl,&bb_diet,&bb_wt,&bb_w_res,&b_diet_water);

   %end;
%END;

%chk_libFiles(&b_outlib,&a_out_prex,&a_loop_num);

%if (&chk_libFiles =1) %then %do;
   %let long_lbl=dietary;
 *** assemble dietary longitudinal data;

%a_long_diet(&data_agegroup,&out_prex,&a_loop_num,&py_list,&a_diet_type,&l_di
aryMethod,
             &l_keyvar,&l_diaryD,&l_diaryAmean,
             &l_out,&l_out_prex,&l_numPersons,&a_simBegin,&a_simEnd);
 *** assemble water longitudinal data;
  %if (&b_diet_water=3) %then %do;
     %let long_lbl=water;
     %chk_libFiles(&b_outlib,%trim(&a_out_prex)w_,&a_loop_num);
    %if (&chk_libFiles =1) %then %do;
         %let out_prex=%trim(&out_prex)w_;
         %let l_out_prex=%trim(&l_out_prex)_w;
```


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```
%a_long_diet(&data_agegroup,&out_prex,&a_loop_num,&py_list,&a_diet_type,&l_di
aryMethod,
             &l_keyvar,&l_diaryD,&l_diaryAmean,
             &l_out,&l_out_prex,&l_numPersons,&a_simBegin,&a_simEnd);
    %end;

  %end;
%end;


 %end;



%mend  t_diet_mdl;

%*let runinfo= r_info.type1111;
%let res_fd_repeat=1;
%let water_occ_six=1;
%let use_point=1;


%put &runinfo;

%pre_in(&runinfo);

%*let a_code=%sysfunc(tranwrd(&a_code,R_info,chem));
%*let a_code=%sysfunc(tranwrd(&a_code,chemselection,chem));
*************************;
%let out_prex=%trim(&b_outlib).%left(&a_out_prex);
*************************;

%put &a_code;
%put &out_prex;


%let oo_usage=0;
%t_diet_mdl;
```

Program: INC_MACRO.SAS

This is stored for several macro tools for dietary modules

```
* give out number of variable with space as dlm;
%macro len(a);

%eval(%length(%sysfunc(compbl(! &a)))-%length(%sysfunc(compress(!&a))))

%mend len;
```


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```
* check whether sas file is in certain SAS library;
%macro chk_libFile(lib,file);

%global chk_libFile;
%let chk_libFile=0;
data __a;

set sashelp.vstabvw;

where lowcase(libname)=lowcase("&lib") and memtype="DATA";

run;

data _null_;

set __a end=eof;

retain yes 0;

if lowcase(memname)=lowcase("&file") then yes=1;

if (eof) then do;

call symput('chk_libFile',yes);

end;

run;

%if (&chk_libFile=0) %then %do;

%put ***lib*** No &lib..&file Exist ***lib***;

%end;

%mend chk_libFile;



* check whether list of sas files is in certain SAS library;
%macro chk_libFiles(lib,prex,num_max);

%global chk_libFiles;
%let chk_libFiles=0;


data __a;

set sashelp.vstabvw;

where lowcase(libname)=lowcase("&lib") and memtype="DATA" and
index(lowcase(memname),lowcase("&prex"));
tmp=substr(memname,%length(&prex)+1);
if index(lowcase(tmp),"w") then delete;
```


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```
num_list=substr(memname,%length(&prex)+1)*1;
if num_list=. then delete;

run;



data _null_;

set __a end=eof;

retain yes 0;

if num_list ge &num_max then yes=1;

if (eof) then do;

call symput('chk_libFiles',yes);

end;

run;

%if (&chk_libFiles=0) %then %do;

%put ***lib*** Missing files in &lib for &prex 1 to &num_max ***lib***;

%end;

%mend chk_libFiles;



* check list of SAS file;
%macro chk_sasFiles(sasfile_list);

%global chk_sasFiles;

%let chk_sasFiles=1;

%do i=1 %to %len(&sasfile_list);

%let tmp=%scan(&sasfile_list,&i,%str( ));

%let lib=%scan(&tmp,1,.);

%let file=%scan(&tmp,2,.);

%chk_libFile(&lib,&file);

%if (&chk_libFile=0) %then %do;

%let chk_sasFiles=0;
```


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```
%end;

%end;



%mend chk_sasFiles;


* list current time;

%macro lst_time(lbl_lbl);
 %local lbl_lbl;
   data vvv;
      length time $15;
      time=put(time(),time9.);
      put "&lbl_lbl =" time $15.;
   run;
%mend lst_time;


%*chk_sasFiles(xxx.z_ug_10 xxx.z_ug_102 xxx.z_ug_103);

%*put chk_sasFiles &chk_sasFiles;

/*

%chk_libFile(xxx,z_ug_10a);

%chk_libFiles(xxx,z_ug_,199);

%put &chk_libFiles;



data tmp;

set m_pest.b_pestcode;

if pest_code ="070" then delete;

run;
*/


* put prefix of ug into pestcode;;
%macro pest_vaOut(code_in,va_out);

%global &va_out;

data _null_;

set &code_in end=eof;

length tmp $500;
```


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```
retain tmp;

tmp=trim(tmp)||" ug_"||left(pest_code);

if (eof) then do;

tmp=left(tmp);

call symput("&va_out",tmp);

end;

run;

%mend pest_vaOut;


* add prefix for list of variables for SQL program;

%macro v_sql(va_list,prex);
%do i=1 %to %len(&va_list);
%let tmp=%scan(&va_list,&i,%str( ));
   %if (&i ne %len(&va_list)) %then &prex..&tmp, ;
   %else  &prex..&tmp ;
%end;
%mend v_sql;


%*let ttt=%v_sql(ug_222 ug_223 ug_705,b);

%*put &ttt;
```

PROGRAM: INC_IN_MDL_CONV.SAS

This is program is convert raw residue files and bridge file so that they could be linked with dietary consumption data.

```
*****************************************************************************
1) import residue files from text file
2) convert bridge file from interface into bridge file, which can be used for
SHEDS dietary

*****************************************************************************
;
```


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```
* this macro is used to read text residue files from SAS interface;
%macro I_ReadRdfFile(inFile,prefix=xue_);

      *** Create three datasets for residue data and comments;

      data
            &prefix.Counts (keep=totalnz totalz totalfreq totallod
                                    lodres usage avgpct maxpct
avgrestrtd)
            &prefix.Residue (keep=residue freq str2)
            &prefix.Comments (keep=comment);

            length line $256 name $12 comment pattern str2 $300;
            retain totalnz totalz totalfreq totallod lodres
                        usage avgpct avgpct maxpct avgrestrtd .;
            retain commentRE residueRE valueRE nameRE;

      *** Read input file;

            infile "&inFile" truncover recfm=v dlm='~' length=linelen
end=lastrec;
            input line $;

            line = trim(left(line));
            name = '';
            val = .;
            comment = '';
            residue = .;
            freq = .;


            *** Define Perl regular expressions for named values, residue,
and comments;

            if (_N_=1) then do;

                  *** Name=value;

            ** Original pattern =
"/^(totalnz|totalz|lodres|totallod|avgpct|maxpct|avgrestrtd)=([\.\d]+)/i";
                  pattern =
"/^(lodres|totallod|avgpct|maxpct|avgrestrtd|totalz|totalnz)=([\.\d]+)/i";
                  valueRE = prxParse(pattern);
                  if (missing(valueRE)) then put 'ERROR Value Pattern Not
Compiled';

                  *** Residue or count,residue;

            *     pattern = "/([\d+-e]+)([,\s]*([\.\d+-e]+))?/i";
            pattern = "/([\.\d\+\-e]+)([\s,]+([\.\d\+\-e]+))?/i";

                  residueRE = prxparse(pattern);
                  if (missing(residueRE)) then put 'ERROR: Residue Pattern
Not Compiled';

                  *** Leading quote or text not fitting above;
```


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```
*     pattern = "/'{0,}(.*)|^'|[A-DF-Za-df-z=!@#\$\%\^&\*]/i";
*     pattern = "/^'(.*)|([\sa-df-z%]+)/i";

      pattern = "/'*(.*[a-df-z%]+.*)/i";
      commentRE = prxparse(pattern);
      if (missing(commentRE)) then put 'ERROR Comment Pattern Not
Compiled';

end;

*** Check to see which regular expression matches the line;
*** When a match is found pull the values out of the expression;

if (prxmatch(valueRE, line)) then do;
name = prxposn(valueRE, 1, line);
val = prxposn(valueRE, 2, line);

      end;
else if (prxmatch(commentRE, line)) then do;
comment = prxposn(commentRE, 1, line);
      *** Good for testing empty lines;
      *** if length(comment)=1 then comment = '*';
      *put comment=;
      end;
else if (prxmatch(residueRE, line)) then do;
      residue = 1 * prxposn(residueRE, 1, line);
      str2 = prxposn(residueRE, 2, line);
      freq = 1 * prxposn(residueRE, 3, line);
      *** If freq is there then it is the first, not second
value;
      *put 'before ' residue= freq= str2=;
      if (not missing(freq)) then do;
            tmp = freq;
            freq = residue;
            residue = tmp;
      end;

end;




*** Take appropriate actions;

select;
      when(lowcase(name) = 'totalz') totalz=val;
      when(lowcase(name) = 'totalnz') totalnz=val;
      when(lowcase(name) = 'lodres') lodres=val;
      when(lowcase(name) = 'usage') usage=val;
      when(lowcase(name) = 'totallod') totallod=val;
      when(lowcase(name) = 'avgpct') avgpct=val;
      when(lowcase(name) = 'maxpct') maxpct=val;
      when(lowcase(name) = 'avgrestrtd') avgrestrtd=val;

      when (not missing(residue)) output &prefix.residue;
      when (comment ne '') output &prefix.comments;
      otherwise ;* put 'Text Not Processed: ' line=;
```


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```
            end; * select;

            *** After last record is read, calculate more variables and save;

            if (lastrec) then do;
                  *put "End of File: &inFile";
                  *** Summarize counts;

                  if (not (missing(totalres) or missing(totallod))) then
                      totalr = totalres + totallod;   * Total positive
values;
                  if (not (missing(totalz) or missing(totalr))) then
                        totals = totalz + totalr;           * Total samples;
                  if (not (missing(totalr) or missing(totals))) then
                        pct = totalr / totals;              * Percent
positive;
                  if (not (missing(totalres) or missing(totalr))) then
                        ratiodt = totalres / totalr;  * Detection ratio?;
                  output &prefix.counts;
            end;
      run;
%mend I_ReadRdfFile;



*** put together all individual residue files into one files;

%macro i_read_file;

*** delete c_res_tot every time run this macro so that the SAS data will be
re-initialized every time;
  proc datasets lib=work nolist;
    delete c_res_tot;
  run;

*** read index file from interface put filenames and index number into macro
variable
  so that they will be used to read individual text residue file;
  data _null_;
    set  b_idx_file end=eof;
    call symput('idx_'||left(_n_),left(index_num));
    call symput('fff_'||left(_n_),left(p1));

    if eof then do;
      call symput('file_n',left(_n_));
    end;
  run;
 %do ii=1 %to &file_n;

     *** read each text residue files from the given location specified;
   %i_ReadRdfFile(&rdl_dir\&&fff_&ii);

   *** convert residue file from %i_ReadRdfFile into one record
   and keep two variable one for index which will be linked with bridge file
   and another all residue values in one record;
   data c_res(keep=index_num all_residue);
     set xue_residue end=eof;
```


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```
      retain all_residue;
      length all_residue $20000;

      *** delete zero values;
      if residue le 0 then delete;

      *** read repeated values;
  if freq > 1 then do;
    do i=1 to freq;
     if all_residue = "" then do;
          all_residue=left(residue);
      end;
      else do;
          all_residue=trim(all_residue)||","||left(residue);
      end;
     end;
  end;
  else do;
  *** put all residue values into one record;
     if all_residue = "" then do;
          all_residue=left(residue);
      end;
      else do;
          all_residue=trim(all_residue)||","||left(residue);
      end;
  end;
 *** output all results;
  if (eof) then do;
    index_num= &&idx_&ii*1;
     output;
  end;

 run;

  *** put together all individual residue files into one files;
  proc append data=c_res out=c_res_tot;
  run;
    %*put * index=&&idx_&ii  file=&&fff_&ii *;
 %end;


%mend i_read_file;

*** merge bridge, index and residue files for SHEDS dietary model;

%macro in_mdl_conv(br_in,br_idx_in,rdl_dir,br_out,br_res_out);
%let add_var=lod;

*** read bridge file from interface and change some variable names for SHEDS
program;
data b_bridge_01(keep=avg_pct_avg lod comcode ff pf1 pf2 point_value
rdf_index &add_var);
  set &br_in;
  rdf_index=rdl_1;
  pf1=factor1;
  pf2=factor2;
  avg_pct_avg=use_pct;
```


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```
run;


***  read dex files and get sample size of each residue file;
data b_br_idx_01(keep=p1 resid_n total_zero index_num);
  set &br_idx_in;
  resid_n=totalnz;
  total_zero=totalN-totalnz; * totaln is total number. there are two to
generate the files;

                                * one bridge_539_idx.sas and another
h_resFile_gen.sas ;
                              * make sure both needs to be changed if pose
change;
  index_num=index;
run;


***  merge bridge file with index file;
proc sql noprint;
  create table b_br_idx_02 as
  select a.*,b.&add_var,b.avg_pct_avg
  from b_br_idx_01 as a right join b_bridge_01 as b
  on b.rdf_index=a.index_num
  order by a.index_num
  ;
  quit;

data  b_br_idx_02;
  set b_br_idx_02;
  if index_num=. then delete;
run;


***  generate index numbers so that it will lead to read individual text
residue file;
proc sql noprint;
  create table b_idx_file as
  select distinct index_num,p1
  from b_br_idx_02;
  quit;



*** read all text residue files;
%i_read_file;


*** merge bridge, index and residue files for SHEDS dietary model;
proc sql noprint;
  create table &br_res_out as
  select distinct a.index_num, a.resid_n,a.total_zero,b.all_residue
  from      B_br_idx_02 as a left join c_res_tot as b
  on a.index_num=b.index_num
  order by a.index_num;

  create table &br_out  as
```


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```
  select comcode, ff, rdf_index, lod, avg_pct_avg, point_value,pf1, pf2
  from      B_bridge_01
  order by comcode, ff, rdf_index;

  quit;

%mend in_mdl_conv;

*** link bridge file with index file;
%macro br_link(dta_in,dta_out);

*** read bridge files;
data b_bridge_01(keep=avg_pct_avg lod comcode ff pf1 pf2 point_value
rdf_index);
  set &dta_in;
  rdf_index=rdl_1;
  pf1=factor1;
  pf2=factor2;
  avg_pct_avg=use_pct;
run;

*** sort bridge file;
proc sql noprint;
  create table &dta_out  as
  select comcode, ff, rdf_index, lod, avg_pct_avg, point_value,pf1, pf2
  from      B_bridge_01
  order by comcode, ff, rdf_index;

  quit;

%mend br_link;
```

PROGRAM: INC_DIET_MDL.SAS

This program include all sub-program for dietary exposure simulation for single chemical

```
*****************************************************************************
SHEDS dietary for individual pollutant

*****************************************************************************
;



*** read age and gender file and generate information of age nad gender to
run dietary model;
%macro i_agesex_sel(dta_in);
***0:both 1: male 2: female;
%global agesex_cond;

data _null_;
  set &dta_in end=eof;
  length agesex_cond $1000 tmp $100;
  retain agesex_cond ;
```


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```
  if sex=0 then do;
    tmp="("||trim(left(minAge))||"<=age<="||trim(left(maxAge))||")";
      if agesex_cond=" "  then agesex_cond=tmp;
      else agesex_cond=trim(agesex_cond) || " or " || tmp;
  end;
  else do;
    tmp="(sex="||trim(left(sex))||" and
"||trim(left(minAge))||"<=age<="||trim(left(maxAge))||")";
            if agesex_cond=" " then agesex_cond=tmp;
          else agesex_cond=trim(agesex_cond) || " or " || tmp;
  end;
  if (eof) then call symput('agesex_cond',agesex_cond);
run;

%put &agesex_cond ;
%mend i_agesex_sel;


*** read residue files and generate macro variables for residue, lod and so
on so that other
macro programs can use;

%macro i_res_gen(resid_data);

  ** sort residue file by index numbers which will be used to link bridge
file;

   proc sort data= &resid_data out=__res;
     by index_num;
   run;


  ***  check number of distinct residue files;
   data __res;
     set __res  end=eof;
       id=_n_;
       call symput('id_'||left(id),trim(left(index_num)));
       if (eof) then do;
          call symput('res_tot',left(_n_));
       end;
   run;


*** make the macro global so that other macro programs can use them;
   %do ii=1 %to &res_tot;
      %global m_&&id_&ii lod_&&id_&ii total_&&id_&ii nz_&&id_&ii
avgpct_&&id_&ii ;
   %end;


   *** export lod, residue and pesticide usage informaitons into global macro
variables;
   data _null_;
     set __res;
       tot_n=resid_n+total_zero;
      call symput('lod_'||left(index_num),lod); *** added lod;
    call symput('total_'||left(index_num),left(tot_n));
```


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```
    call symput('nz_'||left(index_num),left(resid_n));
    call symput('avgpct_'||left(index_num),avg_pct_avg);  *** added avgpct
treated;
    call symput('m_'||left(index_num),trim(left(all_residue)));
   run;

*   %do ii=1 %to &res_tot;
*      %*let tmp=&&id_&ii;
*      %*put total number &&total_&tmp ;
*   %end;

%mend i_res_gen;


*** read bridge file and commodity code, the later is for subset records for
dietary data;
%macro i_bridge_read(bridge_file,bridge_out,com_sel_file);
%global com_sel;


*** read bridge file;
data &bridge_out(keep=comcode ff rdl_1 factor: com_ff point_value);
  set &bridge_file;
  length tmp_ff $3. com_ff $12.;
  if ff=. then tmp_ff="000";
  else tmp_ff=left(ff);
  com_ff=trim(left(comcode))||"_"||tmp_ff;
  point_value=.;
  factor1=pf1;
  factor2=pf2;
  rdl_1=rdf_index;
  if rdl_1=. then delete;
run;


*** generate the complet list of commodity code, cook method, food form for
subset dietary data;
proc freq data=&bridge_out;
  where ff ne .;  *** check comcode without ff;
  table com_ff/noprint out=__com_ff_01;
run;

**** get the above information into macro variable for the subset;
data _null_;
  set __com_ff_01 end=eof;
  length  tmp_tot $32000 tmp $12;
  retain tmp_tot;

  tmp=com_ff;
  if _n_ =1 then do;
     tmp_tot='("'||trim(tmp)||'"';
  end;
  else do;
     tmp_tot=trim(tmp_tot)||','||'"'||trim(tmp)||'"';
  end;
  if eof then do;
    tmp_tot=trim(tmp_tot)||')';
```


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```
    call symput('com_sel',tmp_tot);
  end;
run;


*** generate subset SAS files;

data &com_sel_file(keep=com_ff pf: point_value rdl_1 comcode);
  set &bridge_out (rename=(factor1=pf1 factor2=pf2)) end=eof;
   where ff ne .;  *** check comcode without ff;
run;

%mend i_bridge_read;



*** process dietary and residue data and merge two data together for
calculation of the exposure;
%macro i_diet_mg(diet_in,diet_smpl,all_id,com_sel_file,diet_out);
*** read food consumption file;

  data a_csfii_r_01;
    set &diet_in;
   * could be CSFII or NHAHES;
      *** only keep records specified in bridge file;
      where com_ff in &com_sel;
  run;
/*

*** sort dietary file by id;
proc sql noprint;
   create table a_csfii_r_01 as
   select b.*
   from A_comcode_select as a left join &diet_in as b
   on a.com_ff = b.com_ff
   order by b.hhid,b.spnum;
   quit;
*/

*** sort dietary file by id;
proc sort data=a_csfii_r_01;
  by hhid spnum;
run;

**** select by age group;
data a_group(drop=age_group region age_m race);
   set &diet_smpl;
  *set diet_mdl.H_nhanes_smpl;
  where &agesex_cond;
run;



proc sort data=a_group;
  by hhid spnum;
run;
```


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```
*** use age and gender specified to subset data;
data a_csfii_r_02;
  merge a_csfii_r_01(in=a) a_group(in=b keep=hhid spnum);
  by hhid spnum;
  if (a and b);
run;

**** merge consumption data with bridge file;
proc sort data=a_csfii_r_02;
  by com_ff;
run;

proc sort data=&com_sel_file;
  by com_ff;
run;


*** subset data from information of bridge file;
data a_csfii_r_03;
  merge a_csfii_r_02(in=a) &com_sel_file(in=b);
  by com_ff;
  if (a and b) and rdl_1 > 0;
run;

***** get all the subject including zero exposure;
proc sql noprint;
  create table __all_id_1 as
  select a.*,b.age,b.sex,b.wgt_kg,b.wt4_2day,b.tot_cal
  from &all_id as a right join a_group as b
  on a.hhid=b.hhid and a.spnum=b.spnum and b.hhid ne .;
  create table __all_id_2 as
    select a.*, b.age_group,b.arfd
    from __all_id_1 as a left join &data_agegroup as b
      on (b.sex=0 and b.minAge <= a.age <= b.maxAge) or (b.sex=a.sex and
b.minAge <= a.age <= b.maxAge)
    order by age_group;
  quit;


  *** get toxicity values from interface;
data __all_id(drop=__:);
   set __all_id_2(rename=(arfd=__arfd));
   where hhid ne . and spnum ne . and daycode ne .;
   aRFD=__arfd*1;
run;


*** subset data specified by age group and bridge file  and output dietary
consumption data;
proc sql noprint;
  create table &diet_out as
  select
a.*,b.occ_time,b.foodcode,b.comcode,b.ff,b.com_gram,b.point_value,b.pf1,b.pf2
,b.rdl_1
  from __all_id as a left join a_csfii_r_03 as b
  on a.hhid=b.hhid and a.spnum=b.spnum and a.daycode=b.daycode
```


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```
  order by
a.age_group,a.hhid,a.spnum,a.daycode,b.foodcode,b.comcode,b.occ_time;
  quit;


%mend i_diet_mg;


*** using simulation to calculate dietary exposure from dietary consumption
  data, residue data, bridge file and so on;
%macro i_exp_ug_rd(diet_in,out_data,usage);



data &out_data (drop= lod totaln totalnz seed avgpct seed pf1 pf2 rdl_1
point_value);
  set &diet_in;
  by age_group hhid spnum daycode foodcode comcode occ_time;
  retain rd_num   0;

  * residue sample schemes 0 different residue for all RACs and
  other the same residue for the same RAC with the same foodcode;
  %if &res_fd_repeat=0 %then %do;
     rd_num= ranuni(0);
  %end;
  %else %do;
    if first.comcode then do;
     rd_num= ranuni(0);
      end;
  %end;

  *** get lod, residue information, pesticide usage from macro varaibles by
index;
  if rdl_1 ne . then do;
    lod=symget('lod_'||left(rdl_1))*1;
    totaln=symget('total_'||left(rdl_1))*1;
    totalnz=symget('nz_'||left(rdl_1))*1;
    avgpct=symget('avgpct_'||left(rdl_1))*1;
  end;

  *** generate random seed through clock;
  seed=ranuni(0);

  *** make sure zero is not in the file;

  *** get residue values by randomization and index number from macro
variables;
  if (totalnz/totaln > ranuni(0)) then do;
     if rdl_1 ne . then
res=scan(symget('m_'||left(rdl_1)),int(1+rd_num*totalnz),",")*1;
       else res=0;
  end;
  else do;
     res=0;
  end;

  *** use pesticide usage information to fill zero residue files with lod;
```


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```
 %if (&usage=1) %then %do;
   %put **** use usage data put lod according to ac_pct_avg ***;
  **** in this way avgpct percent is no zeor including real nz and lod;
  if (res=0 and seed <= (avgpct/100 - totalnz/totaln)) then do;
     res=lod;
  end;
 %end;


 *** calculate exposure by eating occasion in ug;
  *   gram * ug/gram (ppm)=ug;

* using point value if select;
  if (&use_point=1 and point_value gt 0) then
exp_ug=max(com_gram*point_value*pf1*pf2,0);
  else exp_ug=max(com_gram*res*pf1*pf2,0);
  if exp_ug=0 then delete;

run;

%mend i_exp_ug_rd;


*** Calculate exposure from drinking water;
%macro i_res_cal_water(water_in,res_in,water_out);
 %GLOBAL ROW_NUM;
%IF (&LOOP=1) %THEN %DO;



*** macro read total rocords of residue file from drinking water;
%macro lst_tab(row_num);
  %do i=1 %to  &row_num;
     %if &i ne &row_num %then 1/&row_num,;
       %else 1/&row_num;
  %end;

%mend lst_tab;

*** read number of rocords of residue file from drinking water;
proc sql noprint;
  select count(id) into: row_num
  from &res_in;
  quit;


*** select method for filling water amount by drinking occasion 1: 6 method
and other Bay method;

%if &water_occ_six=1 %then %do;
   %let water_data=%trim(&water_in)six;
%end;
%else %do;
   %let water_data=&water_in;
%end;
```


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```
*** subset drinking water data by age and gender and information specified;
proc sql noprint;
  create table ZZ_WATER_IN as
  select a.*,b.occ_time,b.COM_ML
  from __all_id as a left join &water_data as b
  on a.hhid=b.hhid and a.spnum=b.spnum and a.daycode=b.daycode
  order by a.age_group,a.hhid,a.spnum,a.daycode,b.occ_time;
  quit;


%END;


*** Calculate exposure from drinking water  ;
data &water_out(drop=all_residue rd_position resid_n id);
  set ZZ_WATER_IN;
  by AGE_GROUP hhid spnum daycode;
  retain rd_position rec 0;

 if first.daycode then do;
  rec=rantbl(0,%lst_tab(&row_num));
 end;

  set &res_in point=rec;
    if first.daycode then rd_position=int(1+ranuni(0)*resid_n);
      exp_ug=com_ml*scan(all_residue,rd_position,',');

    if exp_ug=. then delete;
run;


%mend i_res_cal_water;

%*res_cal_water(diet_d.J_csfii_water,res_d.carb_water,diet_mdl_carb_w);
```

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PROGRAM: INC_DIET_MDL_CO.SAS
This program include all sub-program for dietary exposure simulation for multiple chemicals with co-occurrence

```
*****************************************************************************
SHEDS dietary for multiple pollutants with co-occurance

*****************************************************************************
;



*** macro used for generate array varriables, Relative potent factors and
number
of pollutants for multiple pollutant exposure simulation;
%macro gen_arr(rpf_in,prex_all);
 %global pest_num rpf_arr;

 data rpf(rename=(pest_code=pestcode));
   set &rpf_in;
 run;

 proc sort data=rpf;
     by pestcode;
```

```
 run;


 *** number of pollutants simulated;
 data _null_;
  set rpf end=eof;
  length rpf_all $1000;
  retain rpf_all;
  if _n_ = 1 then rpf_all=left(rpf);
  else rpf_all=trim(rpf_all)||","||left(rpf);

  if (eof) then do;
     call symput('pest_num',left(_n_));
     call symput('rpf_arr',trim(rpf_all));
  end;
run;

 %let ii=0;
%do %until(&prex=);

  %let ii=%eval(&ii+1);

  %let prex=%scan(&prex_all,&ii," ");
 %global &prex.arr ;

  **** list of variables names for all pollutants simulated;
   data _null_;
     set rpf end=eof;
     length tot_pest $300;
     retain tot_pest;
     if _n_=1 then do;
         tot_pest="&prex"||left(pestcode);
     end;
     else do;
         tot_pest=trim(tot_pest)||" "||"&prex"||left(pestcode);
     end;

     if (eof) then do;
       call symput("&prex.arr",trim(left(tot_pest)));
     end;
   run;
 %end;

%mend gen_arr;



**** convert bridge and residue and merge two key files together;
%macro co_conv(in_bridge,in_res,in_pestcode,out_res);


*** read bridge file and expand residue files for some mutiple commodities.;
%put *** bridge=&in_bridge residue=&in_res  **** ;
data bridge(keep=com_ff commod_code commtype);
  set &in_bridge;
  if substr(com_ff,1,1)="0" then com_ff= substr(com_ff,2) ;
  length tmp $2;
```


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```
  * expand residue files for some mutiple commodities.;
  if commod_code="11" then do;
    i=0;
    do until (tmp="");
      i=i+1;
      tmp=scan(zz_code,i,",");
       commod_code=tmp;
       commtype= scan(zz_type,i,",");
       if tmp ne "" then output;
      end;
  end;
  else output;
run;

*** merge bridge file with residue file;
proc sql noprint;
  create table res_01 as
    select a.*,b.com_ff
      from &in_res as a left join bridge as b
      on a.commod=b.commod_code and a.commtype=b.commtype
    order by b.com_ff;
      quit;


      *** generate array varibles for multiple pollutants;
%gen_arr(&in_pestcode,ppm_ tt_ rr_);


*** put all pollutant residue data from multple records into one record by
comodity;
  data res_02;
    set res_01;
      by com_ff;
      length &rr_arr $13000;
      array oo{&pest_num} &ppm_arr;
      array mm{&pest_num} &rr_arr;
      array ll{&pest_num} &tt_arr;
      retain &rr_arr "" nn 0;

      do ii=1 to &pest_num;
        if oo{ii}=. then oo{ii}=0;
      end;


  if first.com_ff then do;
     nn=1;
       do ii=1 to &pest_num;
          mm{ii}=left(oo{ii});
       end;
  end;
  else do;
     nn=nn+1;
       do ii=1 to &pest_num;
          mm{ii}=trim(mm{ii})||","||left(oo{ii});
       end;
  end;
```


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```
  if last.com_ff then do;
    resid_n=nn;
       do ii=1 to &pest_num;
          ll{ii}=length(mm{ii});
       end;

      output;
  end;
run;


*** sort residue file and delete records without comodity information;

proc sort data=res_02;
  where com_ff ne "";
  by com_ff;
run;



*** output key files with residue data and index;
data &out_res(keep= rr_: com_ff resid_n res_id);
  set res_02;
 res_id=_n_*1;

run;



%mend co_conv;



*** process dietary and residue data and merge two data together for
calculation of the exposure;

%macro dta_mg(in_agegrp,res_final,pf_in,dta_match);

%put ***** multiple pesticides with bridge_new access file *****;

*** read age and gender data for setup;
data a_agegrp;
  set &in_agegrp;
  where use=1;
  if gender="M" then sex=1;
  else if gender="F" then sex=2;
  else sex=0;
run;


*** subset id data from dietary personal information together with age and
gender data
 And then subset dietary consumption data;
proc sql noprint;
  create table a_id as
  select a.age_group,a.gender,b.hhid,b.spnum
  from a_agegrp as a ,&diet_id as b
```


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```
  where  (a.sex=b.sex or a.sex=0) and a.minage <= b.age <= a.maxage;
  create table a_diet_sel as
  select a.*,b.age_group
  from &diet_file as a right join a_id as b
  on a.hhid=b.hhid and a.spnum=b.spnum;

  quit;


*** read residue data;

data res_in(keep=rr_:) res_in_oth(keep=res_id resid_n com_ff);
  set &res_final;
    if substr(com_ff,1,1)="0" then com_ff= substr(com_ff,2) ;
run;


*** read dietary process data;
data pf_out(keep=com_ff pf_:);
  set  &pf_in;
  * take out leading zero;
    if substr(com_ff,1,1)="0" then com_ff= substr(com_ff,2) ;
run;


*** merge dietary consumption data with process file and residue file;
proc sql noprint;
  create table a_com_match_01 as
      select a.*,b.*
      from a_diet_sel as a left join pf_out as b
    on a.com_ff=b.com_ff;

  create table &dta_match as
    select a.*,b.resid_n,b.res_id
      from a_com_match_01 as a left join res_in_oth as b
      on a.com_ff=b.com_ff
   where res_id ne .
   order by a.hhid,a.spnum,a.daycode,a.foodcode,a.comcode,a.occ_time;
   quit;

%mend dta_mg;



*** using simulation to calculate dietary exposure from dietary consumption
  data, residue data, bridge file and so on;
%macro rd_run(dta_in,dta_out);

data &dta_out(drop=ii i oo_: rr_:  pf_: );
  set &dta_in;
  by hhid spnum daycode foodcode comcode occ_time;
   retain rd_sel 0;

 *** get random number and set record from residue file;
     * residue sample schemes 0 different residue for all RACs and
  other the same residue for the same RAC with the same foodcode;
  %if &res_fd_repeat=0 %then %do;
```


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```
     rd_sel=int(1+ranuni(0)*resid_n);
  %end;
  %else %do;
    if first.comcode then do;
     rd_sel=int(1+ranuni(0)*resid_n);
      end;
  %end;



      *** select residue records by index number;
     set res_in point=res_id;


       *** array variables;
     array ugg{&pest_num} &ug_arr;
       array res{&pest_num} &rr_arr;
       array ooo{&pest_num} &oo_arr;
       array pff{&pest_num} &pf_arr;

       *** initialize zero for process factors;
       do i =1 to &pest_num;
         if pff{i}=. then pff{i}=0;
       end;

       *** calculate exposure from dietary consuption, residues, process
factor and summation of
         cumulative exposure by RPFs;
    do ii=1 to &pest_num;
        if rd_sel <=0 then do; ooo[ii]=0; ugg[ii]=0;  end;
        else do;
        ooo{ii}=com_gram*scan(res{ii},rd_sel,',')*pff{ii};
            ugg{ii}=ooo{ii}*scan("&rpf_arr",ii,",");

        end;

      end;
      exp_ug=sum(of ug_:);
      if exp_ug<=0 then delete;
run;
%mend rd_run;


*** Calculate exposure from drinking water;

%macro cal_water(water_in,res_in,water_out);



%IF (&ii=1) %THEN %DO;

*** check number of records of  residue files for drinking water ;
%global w_res_n;
%let dsid=%sysfunc(open(&res_in));
%let w_res_n=%sysfunc(attrn(&dsid,NOBS));
%let rc=%sysfunc(close(&dsid));
```


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```
*** select method for filling water amount by drinking occasion 1: 6 method
and other Bay method;

%if &water_occ_six=1 %then %do;
   %let water_data=%trim(&water_in)six;
%end;
%else %do;
   %let water_data=&water_in;
%end;


*** subset drinking water data by age, gender and other information;
proc sql noprint;
  create table ZZ_WATER_IN as
  select a.*,b.daycode,b.occ_time,b.COM_ML
  from a_id as a left join &water_data as b
  on a.hhid=b.hhid and a.spnum=b.spnum
  order by a.age_group,a.hhid,a.spnum,b.daycode,b.occ_time;
  quit;


%END;


*** calculate exposure from drinking water;
data &water_out(keep=hhid spnum daycode occ_time com_ml age_group ug_:
exp_ug);
  set ZZ_WATER_IN;
  by AGE_GROUP hhid spnum daycode;
  retain rec 0;

 if first.daycode then do;
  rec=int(1+ranuni(0)*&w_res_n);
 end;

  set &res_in point=rec;

     array ugg{&pest_num} &ug_arr;
       array res{&pest_num} &ppm_arr;
       array ooo{&pest_num} &oo_arr;

       do ii =1 to &pest_num;
          ooo{ii}=com_ml*res{ii};
            ugg{ii}=ooo{ii}*scan("&rpf_arr",ii,",");
       end;
   exp_ug=sum(of ug_:);
   if exp_ug <= 0 then delete;
run;


%mend cal_water;
```


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PROGRAM: INC_DIET_LONG_OCC.SAS
This program include all sub-programs to assemble the longitudinal dietary simulation with three methods for single and multiple chemical simulations

```
*****************************************************************************
SHEDS longitudinal data assemble.

There are three methods.

eight: Eight diary by season and week day and weekend
new:   DA method using intra- and inter personal variance and auto
correlation
day:   Assembling two-day dietary one by one from different interactions

*****************************************************************************
;


*** pre-process SHEDS-dietary output data ,subet, summary and add new
variables etc;
%macro
pre_diet(dta_in_prex,dta_smpl,dta_age,food_data_num,key_va,exp_va,dta_link);

* delete aa_diet from work lib so that it will be empty for every new run;
  proc datasets lib=work nolist;
    delete aa_diet;
  run;

* select age group ;
   data a_age;
```

```
      set &dta_age;
        where use=1;
   run;

* subset personal characteristics information from database;
   proc sql noprint;
    create table smpl as
    select
a.hhid,a.spnum,a.daycode,a.ddate,a.age,a.sex,a.age_group,a.wgt_kg,a.wt4_2day,
a.&key_va
      from &dta_smpl as a left join a_age as b
      on (a.sex=b.sex and b.minage <= a.age <= b.maxage)
       or  (b.sex=0 and b.minage <= a.age <= b.maxage);

* read SHEDS dietary model output as input;
   %do iz=1 %to &food_data_num;

   * sum by eating occasion;
     proc sort data=&dta_in_prex&iz out=aa;
       by hhid spnum daycode occ_time;
     run;

     proc means noprint data=aa;
       var &exp_va;
       output out=aa_01 sum=&exp_va;
       by hhid spnum daycode occ_time;
     run;



       * select key variable from inputs;
     proc sql noprint;
       create table aa_02 as
       select a.*,%v_sql(&exp_va,b) , b.occ_time
       from  smpl as a left join aa_01 as b
       on a.hhid=b.hhid and a.spnum=b.spnum and a.daycode=b.daycode;
       quit;



         * create new id to make sure it will be unique;
      data aa_02;
        set aa_02;
        length id $18;
        loop=&iz;
        id=put(loop,z3.0)||"-"||put(hhid,z5.0)||"-"||put(spnum,4.0)||"-
"||put(daycode,1.0);
      run;

        * merge dietary input data;
      proc append data=aa_02 out=aa_diet;
      run;


    *** Create a file with daily totals;
   proc sort data=aa_diet out=link_perm_sort;
      by id loop age sex wgt_kg age_group ddate occ_time &key_va;
```


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```
   run;


  data long_detail;
     set  link_perm_sort;
        array temp &exp_va;

        do over temp;
          if temp=. then temp=0;
        end;
   run;


   proc means data=link_perm_sort noprint;

      var &exp_va;

      output out=a sum=&exp_va;
         by id loop age sex wgt_kg age_group ddate occ_time &key_va;
   run;


   *** Calculate calories and exposure per unit body weight;
   data &dta_link(drop=_:);
      set a;
      length gender $1 ;
        array temp &exp_va;

        do over temp;
          if temp=. then temp=0;
        end;

      if &key_va=. then delete;
      if sex = 1 then gender='M';
      if sex = 2 then gender='F';
      length season $1;
  if weekday(ddate) in (1,7) then weekend=1;
  else weekend=0;
  if month(ddate) in (2,3,4) then season="P";
  else if month(ddate) in (5,6,7) then season="S";
  else if month(ddate) in (8,9,10) then season="F";
  else if month(ddate) in (11,12,1) then season="W";
   run;

  %end;

%mend pre_diet;

* generate calendar tiem series and work on some parameters for three
assembling methos;
%macro
pre_Mfiles(dta_age,dta_link,diarymethod,key_va,SimBegin,SimEnd,RunSeed,NumPer
sons);
   *** Ensure the diary statistics are not too extreme;
   %if %sysevalf(&diaryD>0.99) %then %let diaryD = 0.99;
   %if %sysevalf(&diaryAmean>0.99) %then %let diaryAmean = 0.99;
   %if %sysevalf(&diaryAmean<-0.99) %then %let diaryAmean = -0.99;
```


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```
   %global diaryA;

   *** Generate the daily calendar for the simulation period;
   %let NumDays = %eval(1+&SimEnd-&SimBegin);
   data cal_d(keep=year month day day_num date dayofweek season weekend
pool);
      format date date7.;
      length season $1 year month day day_num dayofweek weekend pool 8;
      do day_num=1 to &NumDays;
         date      = &SimBegin + day_num - 1;
         dayOfWeek = weekday(date);
         year      = year(date);
         month     = month(date);
         day       = day(date);
         select (month);
            when (3,4,5)   season = "P";   *** Spring: Mar,Apr,May;
            when (6,7,8)   season = "S";   *** Summer: Jun,Jul,Aug;
            when (9,10,11) season = "F";   ***  Fall : Sep,Oct,Nov;
            when (12,1,2)  season = "W";   *** Winter: Dec,Jan,Feb;
         end;
         *** dayOfWeek=1 is Sunday and 7 is Saturday;
         if (dayOfWeek in (1,7)) then weekend=1; else weekend=0;
         pool = 2*index("PSFW",season)-1+weekend;
         output;
      end;
   run;

   *** Generate random number seeds for all persons in run;
   data allseeds;
      keep person seed_diary seed_simulation seed_products;
      seed = &runseed;
      do person=1 to &numpersons;
         call ranuni(seed,x);
         seed_diary = seed;
         call ranuni(seed,x);
         seed_simulation = seed;
         call ranuni(seed,x);
         seed_products = seed;
         output;
      end;
   run;

   *** Delete output from earlier run;
   proc datasets lib=work nolist;
      delete persons;
   run;

   *** Create vectors of allowed ages for males and females;
   data __age(keep=gender minage maxage);
     set a_age;
       if use=1 then do;
            if (gender='F') then output;
            else if (gender='M') then output;
        else if (gender='B') then do;
               gender='M';
               output;
               gender='F';
```


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```
            output;
         end;
    end;

data agegroups;
   length agesm agesf $400;
   retain agesm agesf "-1";
   set __age end=eof;
      do i=minage to maxage;
         if (gender='F') then agesf = trim(agesf)||','||left(i);
         if (gender='M') then agesm = trim(agesm)||','||left(i);
      end;
   if (eof) then do;
      call symput("agesf",trim(left(agesf)));
      call symput("agesm",trim(left(agesm)));
   end;
run;

*** Find total # of males and females, and overall fraction of males;
data pop1;
   set def.pop2000 end=eof;
   retain c_female c_male 0;
   keep age p_male p_female c_male c_female;
   if age=. then delete;
   if (age in (&agesf)) then p_female=female; else p_female=0;
   if (age in (&agesm)) then p_male  =male;   else p_male  =0;
   c_female = c_female + p_female;
   c_male   = c_male   + p_male;
   if (eof) then do;
      mfrac = c_male/max(c_male+c_female,1);
      call symput("mfrac",trim(left(mfrac)));
   end;
run;
data pop2;
   set pop1 end=eof;
   keep m0-m99 f0-f99;
   retain m0-m99 f0-f99;
   array male(100) m0-m99;
   array female(100) f0-f99;
   male(_N_)   = c_male;
   female(_N_) = c_female;
   if eof then do;
      do i=1 to 100;
         male(i)   = male(i) / max(male(100),1);
         female(i) = female(i) / max(female(100),1);
      end;
      output;
   end;
run;

*** Create cohorts and pools;

proc sql noprint;
   create table cohorts as
      select distinct minage,maxage,gender,cohort
      from def.OPPDiaryCohorts
      order by cohort;
```


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```
      create table temp as
         select q.*,c.cohort,c.pool
         from &dta_link q, def.OPPDiaryCohorts c
         where c.minage<=q.age<=c.maxage and q.gender=c.gender
           and q.weekend=c.weekend and q.season=c.season
         order by cohort,pool,&key_va,id;
             quit;
      data occ_dta;
          set temp;
        by cohort pool &key_va id;
            retain diarynum 0;
            if first.id then diarynum=diarynum+1;
        run;

        data diarylist;
          set occ_dta;
            by diarynum;
            if first.diarynum;
        run;

      proc sql noprint;
      create table diarycounts as
         select cohort,pool,count(*) as diarycount
         from diarylist
         group by cohort,pool;
      select count(*) into :poolcount separated by " "
         from diarylist
         group by cohort,pool;
   quit;

   %let pooloffset = 0;
   %let offset = 0;
   %do i=1 %to %len(&poolcount);
      %let offset = %eval(&offset+%scan(&poolcount,&i,%str( )));
      %let pooloffset = &pooloffset &offset;
   %end;
   %if %lowcase(&diarymethod)=eight %then %let numdraws=8;
   %if %lowcase(&diarymethod)=new   %then %do;
      %let numextras = %sysfunc(floor(%sysevalf(&NumDays/30)));
      %let numdraws  = %eval(&NumDays+&NumExtras);
   %end;

%mend pre_Mfiles;
* generate the personal information for each simulated person for
longitudinal data;
%macro oneperson(person);
   data _null_;
      set allseeds;
      where person=&person;
      call symput("seed_diary",trim(left(seed_diary)));
   run;


   data u_diary;
      length u_gender u_age u_weight u_diaryT u_diaryA 8;
      array u_num(&numdraws) u_diarynum1-u_diarynum%left(&numdraws);
      array u_auto(&numdays) u_autocorr1-u_autocorr%left(&numdays);
```


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```
      call streaminit(&seed_diary);
      u_gender = rand("UNIFORM");
      u_age    = rand("UNIFORM");
      u_weight = rand("UNIFORM");
      u_diaryT = rand("UNIFORM");
      u_diaryA = rand("UNIFORM");
      do i=1 to &numdraws;
         u_num(i) = rand("UNIFORM");
      end;
      do i=1 to &numdays;
         u_auto(i) = rand("UNIFORM");
      end;
      drop i;
      output;
   run;
   data oneperson;
      person = &person;
      length gender $1 age 8;
      keep person gender age weight diaryT diaryA;
      array male(100) m0-m99;
      array female(100) f0-f99;
      set pop2;
      set u_diary(keep=u_gender u_age u_weight u_diaryT u_diaryA);
      if (u_gender<&mfrac) then do;
         gender='M';
         do age=0 to 99;
            if male(age+1)>=u_age then leave;
         end;
      end; else do;
         gender='F';
         do age=0 to 99;
            if female(age+1)>=u_age then leave;
         end;
      end;
      *** Get appropriate age-gender record from BWSA input file;
      rec = 1+min(floor(age),99);
      *** 200 records, females ages 0-99, then males ages 0-99;
      if (gender='M') then rec = rec+100;
      set def.bwsa point=rec;
      *** Weight in kg is lognormally distributed;
      logwgt = wgtmean + wgtstdev*probit(u_weight);
      weight = exp(logwgt);
      *** Variables for new diary assembly method;
      diaryT = (1-sqrt(&diaryD))/2 + sqrt(&diaryD)*u_diaryT;
      Awidth = MIN(1,2-2*ABS(&diaryAmean));
      diaryA = &diaryAmean+Awidth*(Betainv(u_diaryA,2.625,2.625)-0.5);
      *** diaryAmean=0 is a switch to turn off autocorrelation;
      if &diaryAmean=0 then diaryA=0;
      *** Write values to macro variables;
      call symput("age",trim(left(age)));
      call symput("gender",trim(left(gender)));
      call symput("weight",trim(left(weight)));
      call symput("diaryT",trim(left(diaryT)));
      call symput("diaryA",trim(left(diaryA)));
   run;
   proc append base=persons data=oneperson; run;
%mend oneperson;
```


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```
*Eight Day method: (eight): Eight diary by season and week day and weekend ;

%macro EightDiarySelection(out_prex);
   %local cohort numpools;
   *** Look up cohort # for current person;
   proc sql noprint;
      select cohort into :cohort from cohorts
         where (minage<=&age<=maxage and gender="&gender");
      select max(pool) into :numpools from def.OPPDiaryCohorts;
   quit;
   *** Diarynums selects the specific diaries for this person;
   data diarynums (keep=pool diarynum);
      set def.OPPDiaryCohorts(where=(cohort=&Cohort));
      array u_diarynum(&numpools) u_diarynum1-u_diarynum%left(&numpools);
      if _N_=1 then set u_diary;
      array off(%len(&pooloffset)) _temporary_ (&pooloffset);
      base = (&cohort-1)*&numpools;
      offset = off(base+pool);
      count  = off(base+pool+1)-offset;
      diarynum = offset + ceil(count*u_diarynum(pool));
   run;
   proc sql noprint;
      select diarynum into :diarynums separated by ',' from diarynums;
   quit;
   data selected;
      set diarylist;
      where diarynum in (&diarynums);
      rename age = diary_age;
   run;
   *** Assemble the diary and scale the variables by the body weight;
   data one_person(keep=person_id diarynum &out_keep_var);
      length person_id 4;
      set cal_d;
        person_id=&person;
      rec = pool;
      set selected point=rec;
      weight = &weight;
   run;

    data one_person(drop=&exp_va);
     set one_person;
   run;


   proc sql noprint;
     create table one_1 as
         select a.*,b.occ_time,%v_sql(&exp_va,b)
         from one_person as a left join occ_dta as b
         on a.diarynum=b.diarynum
       order by a.date,b.occ_time;
         quit;

   proc append data=one_1 out=&out_prex;
   run;

%mend EightDiarySelection;
```


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```
* DA method (new):   DA method using intra- and inter personal variance and
auto correlation;
%macro NewDiarySelection(out_prex);
   %local cohort numpools;
   *** Look up cohort # for current person;
   proc sql noprint;
      select cohort into :cohort from cohorts
         where (minage<=&age<=maxage and gender="&gender");
      select max(pool) into :numpools from def.OPPDiaryCohorts;
   quit;
   *** Select the x-values and sort them;
   data xpicks;
      set u_diary(keep=u_diaryT u_diarynum1-u_diarynum%left(&numdraws));
      array u_num(&numdraws) u_diarynum1-u_diarynum%left(&numdraws);
      array xpicks(&numdraws) x1-x%left(&numdraws);
      keep x1-x%left(&numdraws);
      a = 2*&diaryT/(1-&diaryD);
      b = 2*(1-&diaryT)/(1-&diaryD);
      do j=1 to &numdraws;
         xpicks(j) = Betainv(u_num(j),a,b);
      end;
      *** Sort the xpicks array if the autocorrelation is not zero;
      %if %sysevalf(&diaryA NE 0) %then %do;
         m = &numdraws;
         do nn=1 to floor(log(&numdraws)/0.69314718 + 1E-8);
            m = floor(m/2);
            k = &numdraws-m;
            do j=1 to k;
               do jj=j to 1 by -m;
                  l = jj+m;
                  if (xpicks(l)>=xpicks(jj)) then leave;
                  temp       = xpicks(jj);
                  xpicks(jj) = xpicks(l);
                  xpicks(l)  = temp;
               end;
            end;
         end;
      %end;
      output;
   run;
   *** Reorder the x values using autocorrelation logic;
   data finalx(keep=f1-f&numdays);
      set xpicks;
      array xpicks(&numdraws) x1-x&numdraws;
      array finalx(&numdays) f1-f&numdays;
      %if %sysevalf(&diaryA=0) %then %do;
         do i=1 to &numdays;
            finalx(i) = xpicks(i);
         end;
      %end;
      %else %do;
         set u_diary(keep=u_autocorr1-u_autocorr%left(&numdays));
         array u_auto(&numdays) u_autocorr1-u_autocorr%left(&numdays);
         *** Picked array prevents re-selection of same x values;
         array picked(&numdraws);
```


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```
      do j=1 to &numdraws;
         picked(j) = 0;
      end;
      do j=1 to &numdays;
         if (j=1) then next = u_auto(1);
         else do;
            s1 = (1-&diaryA+2*&diaryA*last)/(1-&diaryA*&diaryA);
            s2 = (1+&diaryA-2*&diaryA*last)/(1-&diaryA*&diaryA);
            next = Betainv(u_auto(j),s1,s2);
         end;
         z = next*&numdraws;
         *** Find nearest unpicked integer to z;
         n1 = ceil(z);
         if (n1-z < 0.5) then sign=1; else sign=-1;
         do k=1 to 2*&numdraws;
            if (1<=n1<=&numdraws and picked(n1)=0) then leave;
            n1 = n1+k*sign;
            sign = -sign;
         end;
         *** n1 is the chosen location;
         picked(n1) = j;
         finalx(j)  = xpicks(n1);
         last       = (n1-0.5)/&numdraws;
      end;
   %end;
run;

data one_person(keep=person_id diarynum &out_keep_var );
   length person_id 4;
   set cal_d;
     person_id=&person;
   array fx(&numdays) f1-f%left(&numdays);
   if _N_=1 then set finalx;
   array off(%len(&pooloffset)) _temporary_ (&pooloffset);
   base = (&cohort-1)*&numpools;
   offset = off(base+pool);
   count  = off(base+pool+1)-offset;
   diarynum = offset + ceil(count*fx(_N_));
   rec = diarynum;
   set diarylist point=rec;
   weight = &weight;
   totcal = cal_wt*weight;
   totexp = exp_wt*weight;
   drop f1-f%left(&numdays) base count offset;
  rename age = diary_age;
run;
data one_person(drop=&exp_va);
  set one_person;
run;


proc sql noprint;
  create table one_1 as
      select a.*,b.occ_time,%v_sql(&exp_va,b)
      from one_person as a left join occ_dta as b
      on a.diarynum=b.diarynum
    order by a.date,b.occ_time;
```


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```
        quit;

   proc append data=one_1 out=&out_prex;
   run;

%mend NewDiarySelection;



* Day by day method (day):   Assembling two-day dietary one by one from
different interactions ;


%macro
dayDiarySelection(agegrp,dta_prex,dta_num,exp_va,diet_type,method,out_prex,da
te_st);
 proc datasets lib=work nolist;
   delete aaa_3;
 run;
* subset data by age group;
data a_age;
  set &agegrp;
  where use=1;
run;


* generate personal characteristics inforamtion from the database;
   proc sql noprint;
    create table smpl as
    select a.hhid,a.spnum,a.age,a.sex,a.age_group,a.wgt_kg,a.wt4_2day
      from diet_o.&diet_type._smpl as a right join a_age as b
      on (a.sex=b.sex and b.minage <= a.age <= b.maxage)
       or  (b.sex=0 and b.minage <= a.age <= b.maxage);
    create table smpl_1 as
      select a.daycode,b.*
      from diet_o.&diet_type._2day as a,smpl as b
      where a.hhid=b.hhid and a.spnum=b.spnum;
      quit;

* assemble longitudual data day by day (2 person-day data from one
iteraction) and many days
      from multiple iteractions;

  %do person=1 %to &dta_num;
     %if %index(%upcase(&out_name),_W) %then %do;
         data aaa(keep=hhid spnum daycode occ_time &exp_va);
          set &dta_prex&person;
        run;

       proc sql noprint;
         create table aaa_1 as
           select a.*,b.occ_time,%v_sql(&exp_va,b)
           from smpl_1 as a left join aaa as b
           on a.hhid=b.hhid and a.spnum=b.spnum and a.daycode=b.daycode;
          quit;
       %end;
```


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```
      %else %do;
        data aaa(keep=comcode hhid spnum daycode occ_time &exp_va);
         set &dta_prex&person;
       run;

      proc sql noprint;
        create table aaa_1 as
          select a.*,b.comcode,b.occ_time,%v_sql(&exp_va,b)
          from smpl_1 as a left join aaa as b
          on a.hhid=b.hhid and a.spnum=b.spnum and a.daycode=b.daycode;
         quit;
      %end;


  data aaa_2;
    format date date7.;
    set aaa_1;
      date =&date_st+(&person-1)*2+daycode-1;
      if occ_time=. then occ_time=hms(12,0,0);
      array tmp &exp_va;
      do over tmp;
        if tmp=. then tmp=0;
      end;
  run;


 proc append data=aaa_2 out=aaa_3;
 run;

  %end;

 proc sort data=aaa_3;
   by hhid spnum  date occ_time ;
 run;

 data &out_prex;
   length person_id 4;
   set aaa_3;
   by hhid spnum date occ_time ;
   retain person_id 0;
   if first.spnum then person_id=person_id+1;

 run;


%mend dayDiarySelection;




/*
  %*global pooloffset poolcount numdraws numdays
           age gender weight diaryT diaryA;


libname py "C:\0000data\output\py_11d";
```


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```
libname op "C:\0000data\output\diet_op_detail";


*libname l_data './l_data';
libname diet_o "C:\0000data\diet_all";
libname def "C:\0000data\diet_all\def";
libname runinfo "C:\44rd\d_diet\runinfo";



%let i_longtype=1;

%let data_agegroup=runinfo.__agegroup1;


%let l_in=op;
%let a_out_prex=aa_;

*************************;
%let out_prex=%trim(&l_in).%left(&a_out_prex);
*************************;

%let a_loop_num=2;
%let a_exp_va=ug_052 ug_170;
%let a_diet_type=c;
%let l_diaryMethod=new;
%let l_keyvar=tot_cal;
%let l_diaryD=0.2;
%let l_diaryAmean=0.2;

%let l_out=output;
%let l_out_prex=long_test1;



%let i_numPersons=3;
%let l_simBegin=%sysfunc(MDY(1,1,2008));
%let l_simEnd=%sysfunc(MDY(12,31,2008));


*** need to check on day diary selection;

%a_long_diet(&data_agegroup,&out_prex,&a_loop_num,&a_exp_va,&a_diet_type,&l_d
iaryMethod,
             &l_keyvar,&l_diaryD,&l_diaryAmean,
             &l_out,&l_out_prex,&i_numPersons,&l_simBegin,&l_simEnd);

*/
```


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PROGRAM: INC_PRE_IN.SAS
This program include all sub-programs to pre-process the vast output from SHEDS dietary simulations to present it in dietary GUI output module.

```
%macro pre_in(r_info);
/*
%global bb_diet bb_smpl bb_id bb_wt data_agegroup bb_w_res bb_final_res;
%global bb_type i_type i_longtype b_diet_water a_conv;
%global a_bridge bb_prex a_loop_num residuedir;
*/

%global a_loop_num a_out_prex b_outlib b_pest b_pest_cat;

%global a_conv a_bridge residuedir bb_final_res i_type;
%global bb_diet bb_smpl bb_id bb_wt;
%global b_diet_water bb_wt bb_w_res;
* for longitudinal;
 %global l_in l_out l_out_prex l_keyvar l_diaryD l_diaryAmean l_diarymethod
l_numPersons l_simbegin l_simend
 i_longtype a_diet_type;


%global mm_type data_agegroup;


* for cumulative;

%global a_code a_pf a_rpf;


%let data_agegroup=__agegroup;

data __runinfo __aRFD;
   set &runinfo;
   id=group*1;
   if lowcase(variable)="arfd" then output __aRFD;
   else output __runinfo;
run;


data __runinfo;
```


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```
  set __runinfo;
 * if lowcase(variable)="a_bridge" then value="";

  if lowcase(variable)="b_diet_type" and value="CSFII" then do;
     variable="a_diet_type";
       value="c";
       output;
     variable="bb_diet";
       value="diet_o.c_diet";
       output;
     variable="bb_smpl";
       value="diet_o.c_smpl";
       output;
     variable="bb_id";
       value="diet_o.c_all_id";
       output;
     variable="bb_wt";
       value="diet_o.c_water";
       output;
  end;
  else if lowcase(variable)="b_diet_type" and value ne "CSFII" then do;
     variable="a_diet_type";
       value="n";
       output;
     variable="bb_diet";
       value="diet_o.n_diet";
       output;
     variable="bb_smpl";
       value="diet_o.n_smpl";
       output;
     variable="bb_id";
       value="diet_o.n_all_id";
       output;
     variable="bb_wt";
       value="diet_o.n_water";
       output;
  end;
  else output;
run;

data _null_;
  set __runinfo;
  call symput(variable,left(value));
run;

proc sql noprint;
  create table &data_agegroup as
    select a.*,b.value as aRFD
      from &a_grp as a left join __aRFD as b
      on a.use=1 and a.id=b.id;
      quit;



data &data_agegroup;
  set &data_agegroup;
```


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```
  where use=1;
run;



%if (&b_long=2) and (&i_type)=1 %then %let mm_type=1;
%else %if (&b_long=2) and (&i_type)=2 %then %let mm_type=2;
%else %if (&b_long=1)  %then %let mm_type=3;

***
mm_type
1=single chemical
2=cumulative
3=longitudinal

;

%if (&mm_type=1) %then %do;
  %if (&b_diet_water=1) %then %do;
    **** no water;
    %let bb_wt=NO;
      %let bb_w_res=NO;
  %end;
  %else %do;
    **** water ;
      %let bb_w_res=&a_w_res;
  %end;

  %if (&a_conv=1) %then %do;
  **** need conversion;
    %let bb_final_res=NO;
  %end;
  %else %do;
  **** no conversion;
    %let bb_final_res=&a_res_final;
  %end;
  %lst_macro(mm_type a_loop_num a_out_prex b_outlib b_pest b_pest_cat
a_bridge
           bb_diet bb_smpl bb_id bb_wt bb_w_res a_conv bb_final_res
residueDir
           data_agegroup b_diet_water,single one);

%end;
%else %if (&mm_type=2) %then %do;
  %if (&b_diet_water=1) %then %do;
    **** no water;
    %let bb_wt=NO;
      %let bb_w_res=NO;
  %end;
  %else %do;
    **** water ;
      %let bb_w_res=&a_w_res;
  %end;

  %if (&a_conv=1) %then %do;
  **** need conversion;
```


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```
    %let bb_final_res=NO;
  %end;
  %else %do;
  **** no conversion;
    %let bb_final_res=&a_res_final;
  %end;
%lst_macro(mm_type a_loop_num a_out_prex b_outlib b_pest b_pest_cat a_bridge
           bb_diet bb_smpl bb_id bb_wt bb_w_res a_conv bb_final_res a_code
a_pf a_rpf
           data_agegroup b_diet_water ,cumulative model);

%end;
%else %if (&mm_type=3) %then %do;
%if (&b_diet_water=1) %then %do;
    **** no water;
    %let bb_wt=NO;
      %let bb_w_res=NO;
  %end;
  %else %do;
    **** water ;
      %let bb_w_res=&a_w_res;
  %end;

  %if (&a_conv=1) %then %do;
  **** need conversion;
    %let bb_final_res=NO;
  %end;
  %else %do;
  **** no conversion;
    %let bb_final_res=&a_res_final;
  %end;
  %lst_macro(mm_type i_longtype l_in l_keyvar l_diaryD l_diaryAmean
l_diarymethod l_numPersons l_simbegin l_simend
           a_loop_num a_out_prex b_outlib b_pest b_pest_cat a_bridge
          a_diet_type bb_diet bb_smpl bb_id bb_wt bb_w_res a_conv
bb_final_res a_code a_pf a_rpf
           data_agegroup b_diet_water ,longitudinal model);

%end;


%mend pre_in;

%macro lst_macro(va_lst,lbl);
  %put **** &lbl ****;
  %do ii=1 %to %len(&va_lst);
    %let tmp=%scan(&va_lst,&ii, %str( ));
      %put &tmp=&&&tmp;
  %end;

%mend lst_macro;


/*
%let runinfo= r_info.Type1111;
%pre_in(&runinfo);
*/
```


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APPENDIX F. DIRECTORIES, LIBRARIES, AND FILES

All of the directories that SHEDS-Dietary uses are placed underneath the installation directory, which is chosen by the user at install time. By default this is in the user's My Documents/SHEDSDietary (or similar) directory. The install directory will be referred to as the install directory or <install> in the following discussion and diagrams.

Directories/Libraries

On installation, the directories are laid out as in Table 0-. The indentation of a directory name implies that it is within the directory above it. Each of these directories is also assigned to a SAS library. Default and example SHEDS-Dietary input files can be found in the libraries highlighted in green. The libraries highlighted in blue are the default locations for SHEDS output files. The yellow libraries are those containing model input data that should not be edited by the user. The pink libraries contain model code.

Table 0-2. SHEDS-Dietary Directories and Libraries

Directory	SAS Library	Description
<install>/d_interface/Diet_all	diet_all	Contains all the raw dietary data . This includes Food Diaries, Demographics, ADD FCID Recipes and LOOKUP tables: e.g. commodity names, name of eating occasion, food sources.
<install>/d_interface /Output	output	Default directory for cross-sectional output
<install>/d_interface /Output/detail	Odetail	Default directory for detailed output
<install>/d_interface /Output/long	Olong	Default directory for longitudinal output
<install>/d_interface /Output/sumtab	sumtab	Default directory for summary output
<install>/d_interface /User	Usr	Contains the dietary model code
<install>/d_interface /Macro	Macro	Not currently used
<install>/d_interface /Dietary/ Diet_data	Data	Default datasets required by the interface
<install>/d_interface/Dietary/Multi/Bridge	m_bridge	Bridge Files for multi chemical runs
<install>/d_interface/Dietary/Multi/Res	m_ res	Processed residue files for multi chemical runs
<install>/d_interface/Dietary/Multi/RPF	m_ RPF	RPF files for multi chemical runs
<install>/d_interface/Dietary/Multi/PF	m_ PF	PF files for multi chemical runs
<install>/d_interface/Dietary/Multi/Pest	m_ pest	Chemical code files for multi chemical runs
<install>/d_interface/Dietary/Multi/Usage	m_ usage	Usage files for multi chemical runs
<install>/d_interface /Dietary/Prg	prg	Directory containing interface macro code
<install>/d_interface /Dietary/Runinfo	r_info	Directory containing run information files
<install>/d_interface /Dietary/Runinfo/chemicals	chem	Contains chemical code files for each run; contains PDP database
<install>/d_interface /Dietary/Runinfo/ages	ages	Contains age group files for each run
<install>/d_interface/Dietary/ Single /Bridge	m_bridge	Bridge Files and index files for single chemical runs
<install>/d_interface/Dietary/ Single /Res	s_ res	Processed residue files for single chemical runs

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Directory	SAS Library	Description
<install>/d_interface/Dietary/ Single /RPF	s_ RPF	RPF files for single chemical runs (not currently used)
<install>/d_interface/Dietary/ Single /PF	s_ PF	PF files for single chemical runs (not currently used)
<install>/d_interface/Dietary/ Single /Pest	s_ pest	Chemical code files for single chemical runs (not currently used)
<install>/d_interface/Dietary/ Single /Usage	s_ usage	Usage files for single chemical runs

Input Files

This Appendix provides data on the format and contents of the SHEDS-Dietary Input files. This information can be used as guidance for creating such files for different types of runs. Information about the format of food residue distribution files (RDF files) and single chemical Bridge Files are provided in the main body of the manual, as these files can be edited directly within the interface.

The Run Information File

The Run Information File is the main file that controls the SHEDS-Dietary simulation. The contents of the file are given in Table 0-.

Table 0-3. Variables in the Run Information File

Variable	Description
ResidueDir	Residue file location (relative to Dietary root)
ByWeight	Risk factors are normalized by weight in kg (Yes/No) (Not currently used)
UsePAD	Use population adjusted dose (Yes/No) (Not currently used)
BySeason	Not currently used
ShwDaily	Add daily totals to output (Yes/No)
ShwDetails	Add details to output (Yes/No) (Not currently used)
ShwEating	Add eating occasions to output (Yes/No)
chronicPAD	Chronic population adjusted dose (Not currently used)
chronicPADF	Chronic population adjusted dose – females (Not currently used, could be used to enter unique data for females)
acutePAD	Acute population adjusted dose (Not currently used)
acutePADF	Acute population adjusted dose – females (Not currently used, could be used to enter unique data for females)
chronicNOEL	Chronic no adverse effect level (Not currently used)
acuteNOEL	Acute no adverse effect level (Not currently used)
cancerQ	Cancer potency factor (Not currently used)
defaultARFD	Default adjusted reference dose (Not currently used)
ARFD	Adjusted reference doses for age groups 1-9 (group variable also present) (Not currently used)
i_type	Type of run - 1: Single 2: Multiple chemical
i_longtype	Longitudinal type - 1: Generate cross-section and construct longitudinal 2: Construct longitudinal from existing cross-sectional data
a_out_prex	Cross-sectional data prefix
a_loop_num	Number of interaction runs
a_w_res	Water residue file
a_res_final	Final food residue file
a_conv	Residue method: 1: Conversion using bridge 2:Use final residue file
a_grp	Age group dataset for cross-sectional run

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Variable	Description
a_res	
a_code	Dataset containing pesticides for multichemical run
a_pf	Processing factor file
a_rpf	RPF file
a_bridge	Bridge File
a_res_or	Original food residue file
a_exp_va	Need description from Jim
a_lod	Use pesticide info to fill in LOD for No Detected Value
b_pest	Pesticide to run in a single chemical run
b_pest_cat	Pesticide category
b_long	Type of study - 1: Longitudinal 2: Cross-sectional
b_diet_type	Source of dietary data - CSFII or NHANES
b_year	Year of dietary data (if NHANES) Not currently used.
b_outlib	Output data library for cross-sectional run
b_outlibdir	Location of b_outlib (relative to Dietary installation directory)
b_prex	Prefix for cross-sectional output data
b_diet_water	Pathways modeled - 1: Diet only 3: Diet and water
l_in	Directory containing input cross-sectional data for longitudinal run
l_indir	Location of l_in (relative to Dietary installation directory)
l_out	Output data library for longitudinal run
l_outdir	Location of l_outdir (relative to Dietary installation directory)
l_food_data_num	Number of interaction dietary runs for assembling longitudinal data
l_numPersons	Number of persons to simulate
l_simbegin	Beginning date of longitudinal run
l_simend	Ending data of longitudinal run
l_diarymethod	Diary method: Eight or New
l_diaryD	Population diversity statistic D
l_diaryAmean	Mean population lag-1 autocorrelation
l_agegrp	Dataset containing agegroups for longitudinal run
l_keyvar	Key variable for constructing longitudinal diaries
l_prex	Longitudinal output dataset
l_out_prex	Longitudinal output dataset filename
rr_in	Input library for preprocessing
rr_indir	Input library location for preprocessing
rr_out	Output library for preprocessing
rr_outdir	Output library location for preprocessing
rr_in_prex	Input prefix for preprocessing
rr_out_prex	Output prefix for preprocessing
rr_var	Input ariable for preprocessing
rr_varlabel	Input variable label for preprocessing
rr_loop	Loop number for preprocessing
rr_lowperc	Contribution of lower percentile for preprocessing
rr_upperc	Contribution of upper percentile for preprocessing
rr_diet_water	Pathway for preprocessing- 1: Diet only 3: Diet and water
rr_label	Label for pre-processing

Final (Processed) Residue Files for Single Chemicals

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Recall that SHEDS-Dietary can use either individual food residue distribution files (RDF files) or a final processed residue file. The format of the food residue files is discussed in Section **Error! Reference source not found.**. This section describes how a final residue file may be constructed. Like food residue files, final residue files are also used in conjunction with the single-chemical Bridge File discussed in Section **Error! Reference source not found.**. The index set in the Bridge File refers to a record in the final residue file. In this way, the EDFs are linked to the food commodities listed in the Bridge File.

A final residue file is a SAS dataset containing multiple rows, where each row contains data for a single studied food item, and is given an index. All units must be ppm. Each row also contains a comma-separated list of residue values that are assigned to the food commodities listed in the Bridge File via the index. The variables required in the Residue file are given in Table 0-4, and an example final residue file is shown in Figure 0-1.

Table 0-4. Variables in the Final Residue File for Single Chemicals

Variable	SAS Format	Description
Index_num	Numeric	Integer index for the food in question; used to link to the Bridge File: corresponds to Bridge File variable rdl_1 (File Index 1).
resid_n	Numeric	Number of non-zero residue measurements
total_zero	Numeric	Number of zero residue measurements
all_residue	Character (20000 max)	A comma-separated list of all non-zero residue values.

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VIEWTABLE: S_res.Final_cisperm_res

	index_num	resid_n	total_zero	all_residue
1	1	1	1289	0.02
2	2	1	2962	0.025
3	3	1	308	0.02
4	4	28	1316	0.079,0.025,0.021,0.004,0.071,0.004,0.015,0.004,0.004,0.0083
5	5	676	1536	0.025,0.052,0.025,0.025,0.025,0.025,0.2,0.025,0.025,0.025,0.0
6	6	1	1483	0.004
7	7	12	968	0.025,0.025,0.027,0.026,0.007,0.037,0.001,0.043,0.049,0.0067
8	8	14	2057	0.026,0.053,0.053,0.025,0.053,0.053,0.053,0.053,0.048,0.053,
9	9	2	1659	0.001,0.02
10	10	9	2757	0.018,0.025,0.018,0.018,0.018,0.018,0.025,0.025,0.044
11	11	6	1470	0.022,0.022,0.022,0.045,0.022,0.022
12	12	2	1425	0.025,0.025
13	13	5	128	0.067,0.065,4.6,1.9,1.4
14	14	6	128	0.02,2,0.19,0.6,1.7,1.1
15	15	357	1821	0.24,0.04,0.061,0.76,0.83,0.92,0.04,0.26,0.28,0.088,0.27,0.32,
16	16	36	1428	0.11,0.025,0.025,0.059,0.025,0.052,0.025,0.025,0.22,0.007,0.0
17	17	1	869	0.02
18	18	73	2734	0.003,0.003,0.01,0.015,0.009,0.016,0.008,0.13,0.006,0.007,0.0
19	19	7	1495	0.12,0.013,0.035,0.04,0.048,0.025,0.04
20	20	261	2513	0.05,0.084,0.025,0.025,0.025,0.064,0.025,0.025,0.025,0.025,0.
21	21	417	99	0.05,0.05,0.05,0.12,0.73,0.74,0.24,0.16,0.05,0.21,0.21,0.54,0.1
22	22	653	398	0.36,0.4,0.4,0.45,0.53,0.95,0.29,0.47,1.3,0.96,0.17,0.51,0.92,0.
23	23	3	382	0.053,0.002,0.009
24	24	98	2940	0.05,0.05,0.053,0.053,0.053,0.053,0.053,0.053,0.013,0.013,0.0
25	25	1	239	0.025
26	26	5	1194	0.028,0.04,0.02,0.02,0.02

Figure 0-1. An Example Single-Chemical Residue File.

Final (Processed) Residue Files for Multiple Chemicals

The multichemical residue file provides a database of residue measurements for a number of related chemicals. A multichemical residue file for pyrethroids is provided with SHEDS-Dietary. These residue files can be created in SAS or generated within SHEDS-Dietary via the PDP Generator. The required variables in the file are given in Table 0-. An example is shown in Figure A-2 .

The file has a relatively simple structure. On each observation, the studied food commodity and type are listed along with the year of sample and the measured values for each of N chemicals. All units must be in ppm. Each row of the file lists one residue measurement for each chemical for the studied food commodity and type pair listed. The residue measurements will be linked to standard food commodities listed in the Bridge File via the IDs of the commodity-type pair.

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Table 0-5. Variables in the Final Residue File for Multiple Chemicals

Variable	SAS Format	Description
Commod	Char	Studied commodity code
Commtype	Char	Studied commodity type
Year	Numeric	Year of sample
Sample_pk	Numeric	
Ppm_XXX	Numeric	Residue concentration in ppm for chemical code XXX (There may be many chemicals in each file, and thus many ppm_XXX variables).

VIEWTABLE: M_res.B_py_res

	COMMOD	COMMTYPE	year	SAMPLE_PK	ppm_222	ppm_223	ppm_781	ppm_070	ppm_597	ppm_930
9884	BZ	FZ	2007	2930	0	0	0	0	0	0
9885	BZ	FZ	2007	2931	0	0	0	0	0	0
9886	BZ	FZ	2007	2932	0	0	0	0	0	0
9887	BZ	FZ	2007	2933	0	0	0	0	0	0
9888	BZ	FZ	2007	2934	0	0	0	0	0	0
9889	BZ	FZ	2007	2935	0	0	0	0	0	0
9890	BZ	FZ	2007	2936	0	0	0	0	0	0
9891	BZ	FZ	2007	2937	0	0	0	0	0	0
9892	BZ	FZ	2007	2938	0	0	0	0	0	0
9893	BZ	FZ	2007	2939	0	0	0	0	0	0
9894	BZ	FZ	2007	2940	0	0	0	0	0	0
9895	BZ	FZ	2007	2941	0	0	0	0	0	0
9896	BZ	FZ	2007	2942	0	0	0	0	0	0
9897	CA	FR	2006	1702	0	0	0	0	0	0
9898	CA	FR	2006	1703	0	0	0	0	0	0
9899	CA	FR	2006	1704	0	0	0	0	0	0
9900	CA	FR	2006	1705	0	0	0	0	0	0
9901	CA	FR	2006	1706	0	0	0	0	0	0
9902	CA	FR	2006	1707	0	0	0	0	0	0
9903	CA	FR	2006	1708	0	0	0	0	0	0
9904	CA	FR	2006	1709	0	0	0	0	0	0
9905	CA	FR	2006	1710	0	0	0	0	0	0
9906	CA	FR	2006	1711	0	0	0	0	0	0
9907	CA	FR	2006	1712	0	0	0	0	0	0
9908	CA	FR	2006	1713	0	0	0	0	0	0
9909	CA	FR	2006	1714	0	0	0	0	0	0
9910	CA	FR	2006	1715	0	0	0	0	0	0
9911	CA	FR	2006	1716	0	0	0	0	0	0
9912	CA	FR	2006	1717	0	0	0	0	0	0
9913	CA	FR	2006	1718	0	0	0	0	0	0
9914	CA	FR	2006	1719	0	0	0	0	0	0

Figure 0-2. A Final Residue File for Multiple Chemicals (Pyrethroids).

The assignments of chemical names to chemical codes must be provided in the b_pestcode input file contained in the m_pest library. This file contains a list of chemical codes and their corresponding names; is shown below in Table 0- and Figure A-3. If the user is going to run their own chemicals they would need to add the codes and names they are going to use to this file.

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Table 0-6. Variables in the Final Residue File for Multiple Chemicals (Pyrethroids)

Variable	SAS Format	Description
Pest_code	Numeric	Pesticide code
Test_class	Character	Pesticide class
Pest_name	Character	Pesticide name
Rpf	Numeric	Relative potency factor

See Section A.2.6 for a list of the available pesticide classes.

VIEWTABLE: M_pest.B_pestcode

	PEST_CODE	TEST_CLASS	PEST_NAME	rpf
1	930	O	Bifenthrin	1
2	781	O	Cyfluthrin	1
3	597	O	Cypermethrin	1
4	714	O	Esfenvalerate	1
5	546	O	Fenvalerate	1
6	222	O	Permethrin cis	1
7	223	O	Permethrin trans	1
8	070	I	Piperonyl butoxide	1

Figure 0-3. A Pesticide Code File for Pyrethroids

Bridge Files for Multiple Chemicals

The form of the Bridge File for multiple chemicals is different than that for single chemicals, it serves an analogous purpose: to assign the residue measurements present in the multi-chemical residue file to food commodity IDs. Like the single chemical Bridge File, the multi-chemical file contains a single of food commodity, form, and type on each row. Each of these commodities is then assigned one or more of the commodity-type pairs for which measurements are present in the residue file. The variables present in the file are given in Table 0-7; and example is shown in Figure A-5.

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Table 0-7. Variables in the Bridge File for Multiple Chemicals

Variable	SAS Format	Description
Com_ff	Character	Commodity food form
Commod_Code	Character	Commodity code
Commtype	Character	Commodity type
ZZ_Code	Character	List of commodity codes from residue file (commod in that file). ZZ_code and ZZ_Type together define commodity-type pairs to assign to this food form
ZZ_Type	Character	Corresponding list of commodity types from residue file (commtype in that file). ZZ_code and ZZ_Type together define commodity-type pairs to assign to this food form

VIEWTABLE: M_bridge.B_py_bridge

	com_ff	Commod_Code	commtype	ZZ_Code	ZZ_Type
1	11000110_221	11	01	AC,AC,AC,AC,AC	CA,GJ,NP,OT,PC
2	11000110_212	11	01	AC,AC,AC,AC,AC	CA,GJ,NP,OT,PC
3	11000110_211	11	01	AC,AC,AC,AC,AC	CA,GJ,NP,OT,PC
4	11000110_210	11	01	AC,AC,AC,AC,AC	CA,GJ,NP,OT,PC
5	11000110_110	11	01	AC,AC,AC,AC,AC	CA,GJ,NP,OT,PC
6	11000111_240	11	01	AC,AC,AC,AC,AC	CA,GJ,NP,OT,PC
7	11000110_240	11	01	AC,AC,AC,AC,AC	CA,GJ,NP,OT,PC
8	11000100_240	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
9	11000101_240	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
10	11000101_230	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
11	11000100_211	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
12	11000100_213	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
13	11000100_230	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
14	11000100_210	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
15	11000100_120	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
16	11000100_110	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
17	11000100_214	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
18	11000100_212	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
19	11000100_130	11	02	AJ,AJ,AJ,AJ,AJ	CA,CO,FZ,OT,RE
20	95002640_230	11	03	PB,PB,PB,PB,PB	CA,GJ,NP,OT,PC
21	95002640_120	11	03	PB,PB,PB,PB,PB	CA,GJ,NP,OT,PC
22	95002640_110	11	03	PB,PB,PB,PB,PB	CA,GJ,NP,OT,PC
23	95002640_211	11	03	PB,PB,PB,PB,PB	CA,GJ,NP,OT,PC
24	95002640_210	11	03	PB,PB,PB,PB,PB	CA,GJ,NP,OT,PC
25	95002640_240	11	03	PB,PB,PB,PB,PB	CA,GJ,NP,OT,PC
26	13020570_230	11	05	BB,BZ	FR,FZ
27	13020570_211	11	05	BB,BZ	FR,FZ
28	13020570_120	11	05	BB,BZ	FR,FZ
29	13020570_110	11	05	BB,BZ	FR,FZ
30	13020570_130	11	05	BB,BZ	FR,FZ

Figure 0-4. Example Bridge File for Multiple Chemicals

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Processing Factor Files (Multiple Chemicals)

These files are required for multichemical runs. They include processing factors that can be used to adjust residue values based on the anticipated change in residue concentration during the processing of raw food. Processing Factor files can be created in SAS or generated within SHEDS-Dietary via the PDP Generator. The contents of this file are given in Table A-7. An example Processing Factor File is shown in Figure A-5.

Table 0-8. Variables in the Processing Factor File for Multiple Chemicals

Variable	SAS Format	Description
Com_ff	Character	Commodity food form ID
PF_XXX	Numeric	Processing factor for each commodity for chemical XXX; one column for each chemical in the simulation.

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	com_ff	pf_539	pf_597	pf_781	pf_930
1	01010500_110	1	1	1	1
2	01010500_212	1	1	1	1
3	01010500_221	1	1	1	1
4	01010500_230	1	1	1	1
5	01010500_232	1	1	1	1
6	01010500_240	1	1	1	1
7	01010500_242	1	1	1	1
8	01010500_250	1	1	1	1
9	01010501_211	1	1	1	1
10	01010501_240	1	1	1	1
11	01010780_110	1	1	1	1
12	01010780_130	1	1	1	1
13	01010780_150	1	1	1	1
14	01010780_210	1	1	1	1
15	01010780_211	1	1	1	1
16	01010780_212	1	1	1	1
17	01010780_213	1	1	1	1
18	01010780_215	1	1	1	1
19	01010780_220	1	1	1	1
20	01010780_221	1	1	1	1
21	01010780_222	1	1	1	1
22	01010780_230	1	1	1	1
23	01010780_232	1	1	1	1
24	01010780_240	1	1	1	1
25	01010780_242	1	1	1	1
26	01010781_211	1	1	1	1
27	01010781_240	1	1	1	1
28	01010790_110	1	1	1	1
29	01010790_240	1	1	1	1
30	01011900_110	1	1	1	1
31	01011900_150	1	1	1	1
32	01011900_210	1	1	1	1
33	01011900_240	1	1	1	1
34	01012510_210	1	1	1	1
35	01012510_212	1	1	1	1
36	01012511_240	1	1	1	1

Figure 0-5. Example Processing Factor File

Chemical Code Files (Multiple Chemicals)

Chemical code files contain a list of chemicals that can be run in a multichemical simulation. The information that is included in this file is given in Table A-8. An example chemical code file is shown in Figure A-6. Chemical code files can be created in SAS or generated within SHEDS-Dietary via the PDP Generator.

Table 0-9. Variables in the Chemical Code File for Multiple Chemicals

Variable	SAS Format	Description
PEST_CODE	Numeric	Chemical code
TEST_CLASS	Character	Chemical class
PEST_NAME	Character	Chemical name
rpf	numeric	Relative potency factor

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	PEST_CODE	TEST_CLASS	PEST_NAME	rpf
1	930	O	Bifenthrin	1
2	781	O	Cyfluthrin	1
3	597	O	Cypermethrin	1
4	714	O	Esfenvalerate	1
5	546	O	Fenvalerate	1
6	222	O	Permethrin cis	1
7	223	O	Permethrin trans	1
8	070	I	Piperonyl butoxide	1

Figure 0-6. Example Chemical Code File

The defined pesticide classes are as follows:

A Halogenated
B Benzimidazole
C Organophosphorus
E Carbamate
F Organonitrogen
G 2,4-D / Acid Herbicides
H Formetanate HCL
I Other Compounds
J Imidazolinone
K Sulfonyl Urea Herbicides
L Conazoles / Triazoles
N Imidazoles
O Pyrethroids
P Thiocarbamates
R Triazines
S Triazine, Non-Halogenated
T Nitrile
U Uracil
V Pyrimidone
W Morpholine

Output Files

By default, all output files from the SHEDS-Dietary run are stored in <install>/Output. Cross-sectional output is stored in the main Output library, longitudinal datasets are stored in the Olong library, and summary datasets are stored in Sumtab. However, note that the interface allows the user to choose libraries other than these for writing output.

The general structures of different types of SHEDS-Dietary outputs are provided here.

Cross-Sectional Output Datasets

By default, output from a cross-sectional SHEDS-Dietary run is written to the Output library. These files will begin with the cross-sectional prefix assigned by the user for the run, and food exposure files will end with a suffix "_X" where X is the loop number. Water exposure output

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files will have an analogous suffix "_X_w". The contents of the cross-sectional files are given in Table 0-.

Table 0-10. Variables in the Cross-Sectional Output Datasets

Variable	Format	Description
HHID	Numeric	
SPNUM	Numeric	
Daycode	Numeric	
AGE	Numeric	Age in years (food consumption diary)
SEX	Numeric	Sex
WGT_KG	Numeric	Weight in kilograms
WT4_2DAY	Numeric	Statistical weight
tot_cal	Numeric	Total calories consumed
age_group	Character	Age-group simulated
ARFD	Numeric	Acute reference dose
OCC_TIME	Numeric	Time of eating occasion
comcode (FCID code)	Numeric	EPA commodity code
Ff	Numeric	food form
com_gram	Numeric	grams of chemical consumed
exp_ug (single chemicals)	Numeric	Exposure in micrograms
exp_ug (multiple chemicals)	Numeric	Total exposure in micrograms
ug_XXX (multiple chemicals)	Numeric	Exposure in micrograms for chemical code XXX

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Longitudinal Output Datasets

By default, output from a cross-sectional SHEDS-Dietary run is written to the Olong library. These files will begin with the longitudinal dataset name assigned by the user for the run; water exposure files will end with a suffix "_w".

The contents of the longitudinal files are given in Table 0-1.

Table 0-11. Variables in the Longitudinal Output Datasets

Variable	Format	Description
person_id	Numeric	Person ID
date	Numeric	Date
id	Numeric	Diary ID
loop	Numeric	Loop number for this day
diary_age	Numeric	Age on food diary
age_group	Numeric	Age group
total_cal	Numeric	Total calories consumed
weight	Character	Statistical weight
aRFD	Numeric	Acute reference dose
exp_ug (single chemicals)	Numeric	Exposure in micrograms
exp_ug (multiple chemicals)	Numeric	Total exposure in ug for chemical code XXX
ug_XXX (multiple chemicals)	Numeric	Exposure in ug for chemical code XXX

Summary Output Datasets

The summary output datasets are generated by the Pre-Process Output data screen, and by default written to the Sumtab library. The results are generated for one variable at a time using the Pre-process frame, for either exposure to single chemical, or total exposure (for multi-chemical runs). These files will begin with the prefix assigned by the user when the data is preprocessed. These are the data that can be visualized with the View Cross-Sectional Results screen. The files and their contents are as follows:

PREFIX_contrib: Contribution by commodity to exposure and food consumed**.**

PREFIX_pctl_day: Percentiles for daily exposure: food (dietary), water and total.

PREFIX_ pctl_occ: Percentiles for eating occasion exposure: food (dietary), water and total**.**

PREFIX_ summary_day: Summary percentiles for daily exposure by age group**:** food (dietary), water and total.

PREFIX_ summary _occ: Summary percentiles for eating occasion exposure by age group**:** food (dietary), water and total.

PREFIX_ tab_day: Daily exposure and percent %APAD percentiles by age group: food (dietary), water and total.

PREFIX_ tab _occ: Eating occasion exposure and percent %APAD percentiles by age group: food (dietary), water and total.

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