

DATA SET: dpass LABEL: DATE CREATED: 20DEC13:14:56:18
 Number of Observations: 499
 Number of Variables: 411
 Organization of file: Multiple Records per JHS Participant (SUBJID)

| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|---------------------------------------|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| SUBJID | PARTICIPANT ANALYSIS ID | Char | \$ | 7 | | - | | | |
| LFFQ_N_BLANK | LFFQ: number of unmarked frequencies | Num | | 8 | 0.36345382 | 0.00-68.00 | | 498 | 99.80 |
| LFFQ_SUPP_USE | LFFQ: Use of supplements indicated | Num | | 4 | 0.61044177 | 0.00-1.00 | | 498 | 99.80 |
| LFFQ_REST1 | LFFQ: Fried chicken at restaurant/day | Num | | 4 | 0.0499519 | 0.00-0.76 | | 497 | 99.60 |
| LFFQ_REST2 | LFFQ: Burgers at restaurant/day | Num | | 4 | 0.04305061 | 0.00-1.28 | | 497 | 99.60 |
| LFFQ_REST3 | LFFQ: Pizza at restaurant/day | Num | | 4 | 0.01633254 | 0.00-0.27 | | 497 | 99.60 |
| LFFQ_REST4 | LFFQ: Chinese food at restaurant/day | Num | | 4 | 0.0148389 | 0.00-0.35 | | 497 | 99.60 |
| LFFQ_REST5 | LFFQ: Mexican food at restaurant/day | Num | | 4 | 0.00718458 | 0.00-0.27 | | 497 | 99.60 |
| LFFQ_REST6 | LFFQ: Fried fish at restaurant/day | Num | | 4 | 0.03694206 | 0.00-0.55 | | 497 | 99.60 |
| LFFQ_REST7 | LFFQ: buffet food at restaurant/day | Num | | 4 | 0.06089919 | 0.00-0.88 | | 497 | 99.60 |
| LFFQ_INVALID | LFFQ: FFq is not valid 0/1 | Num | | 8 | 0.062249 | 0.00-1.00 | | 498 | 99.80 |
| LFFQ_SOURCE | LFFQ: Data source | Num | | 8 | 6 | 6.00-6.00 | | 498 | 99.80 |
| LFFQ_BKID1 | LFFQ: Scanned Booklet Number | Char | | 9 | | - | | | |
| LFFQ_ENCID | LFFQ: Encounter/visit ID Number | Char | | 10 | | - | | 1 | 0.20 |
| | | | | | | 01 | | 1 | 0.20 |
| | | | | | | 06 | | 497 | 99.60 |
| LFFQ_INTVID | LFFQ: Interviewer ID Number | Char | | 10 | | 1 | | 1 | 0.20 |
| | | | | | | - | | 2 | 0.40 |
| | | | | | | 238 | | 1 | 0.20 |
| | | | | | | 239 | | 2 | 0.40 |
| | | | | | | 242 | | 222 | 44.49 |
| | | | | | | 243 | | 234 | 46.89 |

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| | | | | | | 244 | | 1 | 0.20 |
| | | | | | | 245 | | 19 | 3.81 |
| | | | | | | 265 | | 15 | 3.01 |
| | | | | | | 268 | | 2 | 0.40 |
| LFFQ_KCAL | LFFQ: Energy Calories | Num | | 8 | 2110.06444 | 324.02-7507.48 | | 498 | 99.80 |
| LFFQ_FAT | LFFQ: Total Fat (gm) | Num | | 8 | 84.9460636 | 13.32-291.08 | | 498 | 99.80 |
| LFFQ_TCHO | LFFQ: Total Carbohydrate (gm) | Num | | 8 | 262.238558 | 35.77-1019.87 | | 498 | 99.80 |
| LFFQ_PRO | LFFQ: Total Protein (gm) | Num | | 8 | 76.0563747 | 16.40-277.00 | | 498 | 99.80 |
| LFFQ_APRO | LFFQ: Animal Protein (gm) | Num | | 8 | 50.3358353 | 9.83-177.57 | | 498 | 99.80 |
| LFFQ_VPRO | LFFQ: Vegetable Protein (gm) | Num | | 8 | 25.2816756 | 5.15-105.49 | | 498 | 99.80 |
| LFFQ_ALC | LFFQ: Alcohol (gm) | Num | | 8 | 3.37348377 | 0.00-194.87 | | 498 | 99.80 |
| LFFQ_CHOL | LFFQ: Cholesterol (mg) | Num | | 8 | 338.159981 | 52.86-1373.90 | | 498 | 99.80 |
| LFFQ_SFA | LFFQ: Total Saturated Fatty Acids (SFA) (gm) | Num | | 8 | 26.0947659 | 4.07-96.08 | | 498 | 99.80 |
| LFFQ_MFA | LFFQ: Total Monounsaturated Fatty Acids (MUFA) (gm) | Num | | 8 | 33.0968739 | 5.16-112.23 | | 498 | 99.80 |
| LFFQ_PFA | LFFQ: Total Polyunsaturated Fatty Acids (PUFA) (gm) | Num | | 8 | 19.187638 | 2.62-65.36 | | 498 | 99.80 |
| LFFQ_TTFA | LFFQ: Total Trans-Fatty Acids (TRANS) (gm) | Num | | 8 | 5.65168584 | 0.56-22.72 | | 498 | 99.80 |
| LFFQ_FRUC | LFFQ: Fructose (gm) | Num | | 8 | 28.3225216 | 1.38-196.85 | | 498 | 99.80 |
| LFFQ_GALA | LFFQ: Galactose (gm) | Num | | 8 | 0.29693373 | 0.00-4.94 | | 498 | 99.80 |
| LFFQ_GLUC | LFFQ: Glucose (gm) | Num | | 8 | 27.8146982 | 1.21-172.36 | | 498 | 99.80 |
| LFFQ_LACT | LFFQ: Lactose (gm) | Num | | 8 | 11.6109691 | 0.64-91.48 | | 498 | 99.80 |
| LFFQ_MALT | LFFQ: Maltose (gm) | Num | | 8 | 3.05309014 | 0.35-10.89 | | 498 | 99.80 |

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|---------------|---|----------|------------|------------|------------|------------------|--------------------|-----------|---------|
| LFFQ_SUCR | LFFQ: Sucrose (gm) | Num | | 8 | 51.2210795 | 1.54-233.22 | | 498 | 99.80 |
| LFFQ_STAR | LFFQ: Starch (gm) | Num | | 8 | 107.340785 | 17.69-462.33 | | 498 | 99.80 |
| LFFQ_DFIB | LFFQ: Total Dietary Fiber (gm) | Num | | 8 | 17.99433 | 2.82-73.59 | | 498 | 99.80 |
| LFFQ_WSDF | LFFQ: Soluble Dietary Fiber (gm) | Num | | 8 | 6.33529796 | 0.82-26.78 | | 498 | 99.80 |
| LFFQ_IFIB | LFFQ: Insoluble Dietary Fiber (gm) | Num | | 8 | 11.4781406 | 2.00-45.22 | | 498 | 99.80 |
| LFFQ_PECT | LFFQ: Pectins (gm) | Num | | 8 | 1.93349634 | 0.24-7.53 | | 498 | 99.80 |
| LFFQ_VARE | LFFQ: Total Vitamin A Activity (RE) | Num | | 8 | 1412.78419 | 183.50-5699.13 | | 498 | 99.80 |
| LFFQ_VA | LFFQ: Total Vitamin A Activity (IU) | Num | | 8 | 8566.084 | 1270.23-24353.00 | | 498 | 99.80 |
| LFFQ_BCEQ | LFFQ: Beta-Carotene Equivalents (mcg) | Num | | 8 | 3469.01941 | 358.16-9283.19 | | 498 | 99.80 |
| LFFQ_RL | LFFQ: Retinol (mcg) | Num | | 8 | 834.614428 | 57.73-4896.44 | | 498 | 99.80 |
| LFFQ_VD | LFFQ: Vitamin D (calciferol) (mcg) | Num | | 8 | 8.10497335 | 0.47-32.21 | | 498 | 99.80 |
| LFFQ_TTC | LFFQ: Total Alpha-Tocopherol Equivalents (mg) | Num | | 8 | 75.1456007 | 1.78-413.67 | | 498 | 99.80 |
| LFFQ_ATC | LFFQ: Vitamin E (Total Alpha-Tocopherol) (mg) | Num | | 8 | 72.9739101 | 1.46-407.35 | | 498 | 99.80 |
| LFFQ_BTC | LFFQ: Beta-Tocopherol (mg) | Num | | 8 | 0.31372489 | 0.05-1.35 | | 498 | 99.80 |
| LFFQ_GTC | LFFQ: Gamma-Tocopherol (mg) | Num | | 8 | 16.6532528 | 1.57-57.50 | | 498 | 99.80 |
| LFFQ_DTC | LFFQ: Delta-Tocopherol (mg) | Num | | 8 | 3.43699568 | 0.38-16.53 | | 498 | 99.80 |
| LFFQ_VK | LFFQ: Vitamin K (mcg) | Num | | 8 | 107.609615 | 12.88-322.65 | | 498 | 99.80 |
| LFFQ_VC | LFFQ: Vitamin C (mg) | Num | | 8 | 213.267301 | 8.87-1071.22 | | 498 | 99.80 |
| LFFQ_THI | LFFQ: Thiamin (mg) | Num | | 8 | 2.24546751 | 0.34-7.39 | | 498 | 99.80 |

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| LFFQ_RIB | LFFQ: Riboflavin (mg) | Num | | 8 | 2.39879239 | 0.37-8.85 | | 498 | 99.80 |
| LFFQ_NIA | LFFQ: Niacin (mg) | Num | | 8 | 28.1106609 | 3.28-93.91 | | 498 | 99.80 |
| LFFQ_PANT | LFFQ: Pantothenic acid (mg) | Num | | 8 | 7.78948763 | 0.90-36.03 | | 498 | 99.80 |
| LFFQ_VB6 | LFFQ: Vitamin B-6 (mg) | Num | | 8 | 4.93537426 | 0.30-104.14 | | 498 | 99.80 |
| LFFQ_FOL | LFFQ: Total Folate (mcg) | Num | | 8 | 429.552429 | 48.41-1414.25 | | 498 | 99.80 |
| LFFQ_VB12 | LFFQ: Vitamin B-12 (mcg) | Num | | 8 | 35.4852503 | 0.66-522.79 | | 498 | 99.80 |
| LFFQ_CA | LFFQ: Calcium (mg) | Num | | 8 | 998.17999 | 129.32-3502.34 | | 498 | 99.80 |
| LFFQ_P | LFFQ: Phosphorus (mg) | Num | | 8 | 1282.20617 | 279.11-4334.34 | | 498 | 99.80 |
| LFFQ_MG | LFFQ: Magnesium (mg) | Num | | 8 | 342.538061 | 72.70-1021.65 | | 498 | 99.80 |
| LFFQ_FE | LFFQ: Iron (mg) | Num | | 8 | 20.2053578 | 2.86-98.98 | | 498 | 99.80 |
| LFFQ_ZN | LFFQ: Zinc (mg) | Num | | 8 | 15.6035928 | 1.86-49.34 | | 498 | 99.80 |
| LFFQ_CU | LFFQ: Copper (mg) | Num | | 8 | 2.0097332 | 0.29-6.52 | | 498 | 99.80 |
| LFFQ_SE | LFFQ: Selenium (mcg) | Num | | 8 | 114.036408 | 22.04-432.08 | | 498 | 99.80 |
| LFFQ_NA | LFFQ: Sodium (mg) | Num | | 8 | 3729.37127 | 624.86-14411.71 | | 498 | 99.80 |
| LFFQ_K | LFFQ: Potassium (mg) | Num | | 8 | 2798.90327 | 481.00-10047.52 | | 498 | 99.80 |
| LFFQ_SFA04_0 | LFFQ: SFA 4:0 (butyric acid) (gm) | Num | | 8 | 0.4863048 | 0.02-2.35 | | 498 | 99.80 |
| LFFQ_SFA06_0 | LFFQ: SFA 6:0 (caproic acid) (gm) | Num | | 8 | 0.26280818 | 0.01-1.15 | | 498 | 99.80 |
| LFFQ_SFA08_0 | LFFQ: SFA 8:0 (caprylic acid) (gm) | Num | | 8 | 0.20810225 | 0.01-0.86 | | 498 | 99.80 |
| LFFQ_SFA10_0 | LFFQ: SFA 10:0 (capric acid) (gm) | Num | | 8 | 0.41290697 | 0.03-1.72 | | 498 | 99.80 |
| LFFQ_SFA12_0 | LFFQ: SFA 12:0 (lauric acid) (gm) | Num | | 8 | 0.9050657 | 0.04-6.15 | | 498 | 99.80 |

Codebook for dpass

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|---------------|--|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| LFFQ_SFA14_0 | LFFQ: SFA 14:0 (myristic acid) (gm) | Num | | 8 | 2.00005842 | 0.26-8.31 | | 498 | 99.80 |
| LFFQ_SFA16_0 | LFFQ: SFA 16:0 (palmitic acid) (gm) | Num | | 8 | 14.3287042 | 2.45-51.93 | | 498 | 99.80 |
| LFFQ_SFA17_0 | LFFQ: SFA 17:0 (margaric acid) (gm) | Num | | 8 | 0.04632382 | 0.00-0.27 | | 498 | 99.80 |
| LFFQ_SFA18_0 | LFFQ: SFA 18:0 (stearic acid) (gm) | Num | | 8 | 6.87866842 | 0.98-26.00 | | 498 | 99.80 |
| LFFQ_SFA20_0 | LFFQ: SFA 20:0 (arachidic acid) (gm) | Num | | 8 | 0.07427738 | 0.00-0.51 | | 498 | 99.80 |
| LFFQ_SFA22_0 | LFFQ: SFA 22:0 (behenic acid) (gm) | Num | | 8 | 0.06841328 | 0.00-0.92 | | 498 | 99.80 |
| LFFQ_MFA14_1 | LFFQ: MUFA 14:1 (myristoleic acid) (gm) | Num | | 8 | 0.05152449 | 0.00-0.26 | | 498 | 99.80 |
| LFFQ_MFA16_1 | LFFQ: MUFA 16:1 (palmitoleic acid) (gm) | Num | | 8 | 1.3621846 | 0.26-5.94 | | 498 | 99.80 |
| LFFQ_MFA18_1 | LFFQ: MUFA 18:1 (oleic acid) (gm) | Num | | 8 | 29.9251999 | 4.41-103.14 | | 498 | 99.80 |
| LFFQ_MFA20_1 | LFFQ: MUFA 20:1 (gadoleic acid) (gm) | Num | | 8 | 0.23839418 | 0.03-0.84 | | 498 | 99.80 |
| LFFQ_MFA22_1 | LFFQ: MUFA 22:1 (erucic acid) (gm) | Num | | 8 | 0.14307216 | 0.00-1.03 | | 498 | 99.80 |
| LFFQ_PFA18_2 | LFFQ: PUFA 18:2 (linoleic acid) (gm) | Num | | 8 | 16.9045351 | 2.21-58.41 | | 498 | 99.80 |
| LFFQ_PFA18_3 | LFFQ: PUFA 18:3 (linolenic acid) (gm) | Num | | 8 | 1.66600167 | 0.26-6.61 | | 498 | 99.80 |
| LFFQ_PFA18_4 | LFFQ: PUFA 18:4 (parinaric acid) (gm) | Num | | 8 | 0.02322222 | 0.00-0.13 | | 498 | 99.80 |
| LFFQ_PFA20_4 | LFFQ: PUFA 20:4 (arachidonic acid) (gm) | Num | | 8 | 0.19111457 | 0.02-1.50 | | 498 | 99.80 |
| LFFQ_PFA20_5 | LFFQ: PUFA 20:5 (eicosapentaenoic acid [EPA]) (gm) | Num | | 8 | 0.13469182 | 0.00-0.71 | | 498 | 99.80 |
| LFFQ_PFA22_5 | LFFQ: PUFA 22:5 (docosapentaenoic acid [DPA]) (gm) | Num | | 8 | 0.03850513 | 0.00-0.21 | | 498 | 99.80 |
| LFFQ_PFA22_6 | LFFQ: PUFA 22:6 (docosahexaenoic acid [DHA]) (gm) | Num | | 8 | 0.12878317 | 0.01-0.68 | | 498 | 99.80 |
| LFFQ_TFA16_1 | LFFQ: TRANS 16:1 (trans-hexadecenoic acid) (gm) | Num | | 8 | 0.06736522 | 0.01-0.43 | | 498 | 99.80 |

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| LFFQ_TFA18_1 | LFFQ: TRANS 18:1 (trans-octadecenoic acid) (gm) | Num | | 8 | 4.87951273 | 0.46-19.72 | | 498 | 99.80 |
| LFFQ_TFA18_2 | LFFQ: TRANS 18:2 (trans-octadecadienoic acid (gm) | Num | | 8 | 0.65207478 | 0.07-2.61 | | 498 | 99.80 |
| LFFQ_TRYP | LFFQ: Tryptophan (gm) | Num | | 8 | 0.86188141 | 0.19-3.46 | | 498 | 99.80 |
| LFFQ_THRE | LFFQ: Threonine (gm) | Num | | 8 | 2.94195169 | 0.62-10.68 | | 498 | 99.80 |
| LFFQ_ISOL | LFFQ: Isoleucine (gm) | Num | | 8 | 3.46102876 | 0.73-12.42 | | 498 | 99.80 |
| LFFQ_LEUC | LFFQ: Leucine (gm) | Num | | 8 | 5.95785049 | 1.23-21.37 | | 498 | 99.80 |
| LFFQ_LYSI | LFFQ: Lysine (gm) | Num | | 8 | 5.09788729 | 1.07-17.71 | | 498 | 99.80 |
| LFFQ_METH | LFFQ: Methionine (gm) | Num | | 8 | 1.74741952 | 0.37-6.08 | | 498 | 99.80 |
| LFFQ_CYST | LFFQ: Cystine (gm) | Num | | 8 | 1.09402724 | 0.22-3.69 | | 498 | 99.80 |
| LFFQ_PHEN | LFFQ: Phenylalanine (gm) | Num | | 8 | 3.36034932 | 0.70-12.38 | | 498 | 99.80 |
| LFFQ_TYRO | LFFQ: Tyrosine (gm) | Num | | 8 | 2.62951682 | 0.54-9.31 | | 498 | 99.80 |
| LFFQ_VALI | LFFQ: Valine (gm) | Num | | 8 | 3.89306232 | 0.81-13.96 | | 498 | 99.80 |
| LFFQ_ARGI | LFFQ: Arginine (gm) | Num | | 8 | 4.46032079 | 0.90-16.36 | | 498 | 99.80 |
| LFFQ_HIST | LFFQ: Histidine (gm) | Num | | 8 | 2.05833503 | 0.43-7.18 | | 498 | 99.80 |
| LFFQ_ALAN | LFFQ: Alanine (gm) | Num | | 8 | 3.7906433 | 0.79-13.38 | | 498 | 99.80 |
| LFFQ_ASPI | LFFQ: Aspartic Acid (gm) | Num | | 8 | 6.81828122 | 1.42-24.87 | | 498 | 99.80 |
| LFFQ_GLYC | LFFQ: Glutamic Acid (gm) | Num | | 8 | 14.0611419 | 2.94-53.57 | | 498 | 99.80 |
| LFFQ_GLYC | LFFQ: Glycine (gm) | Num | | 8 | 3.41682767 | 0.69-12.84 | | 498 | 99.80 |
| LFFQ_PROL | LFFQ: Proline (gm) | Num | | 8 | 4.65301377 | 0.90-17.72 | | 498 | 99.80 |
| LFFQ_SERI | LFFQ: Serine (gm) | Num | | 8 | 3.42352342 | 0.70-12.25 | | 498 | 99.80 |

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| LFFQ_ASPT | LFFQ: Aspartame (mg) | Num | | 8 | 74.1234349 | 0.00-1367.96 | | 498 | 99.80 |
| LFFQ_SACC | LFFQ: Saccharin (mg) | Num | | 8 | 0 | 0.00-0.00 | | 498 | 99.80 |
| LFFQ_CAFF | LFFQ: Caffeine (mg) | Num | | 8 | 135.71441 | 0.00-855.19 | | 498 | 99.80 |
| LFFQ_PHYT | LFFQ: Phytic Acid (mg) | Num | | 8 | 795.149185 | 104.92-2601.64 | | 498 | 99.80 |
| LFFQ_OXAL | LFFQ: Oxalic Acid (mg) | Num | | 8 | 240.359855 | 29.13-1122.17 | | 498 | 99.80 |
| LFFQ_MH3 | LFFQ: 3-Methylhistidine (mg) | Num | | 8 | 17.0360557 | 2.18-67.28 | | 498 | 99.80 |
| LFFQ_SPOLY | LFFQ: Sucrose polyester (gm) | Num | | 8 | 0 | 0.00-0.00 | | 498 | 99.80 |
| LFFQ_ASH | LFFQ: Ash (gm) | Num | | 8 | 18.8503637 | 3.77-66.05 | | 498 | 99.80 |
| LFFQ_WATER | LFFQ: Water (gm) | Num | | 8 | 3254.01802 | 280.32-8508.34 | | 498 | 99.80 |
| LFFQ_BCARO | LFFQ: Beta-Carotene (mcg) | Num | | 8 | 3198.28581 | 335.89-8528.68 | | 498 | 99.80 |
| LFFQ_ACARO | LFFQ: Alpha-Carotene (mcg) | Num | | 8 | 384.942577 | 4.52-2428.31 | | 498 | 99.80 |
| LFFQ_BCRYP | LFFQ: Beta-Cryptoxanthin (mcg) | Num | | 8 | 157.891014 | 0.44-1595.63 | | 498 | 99.80 |
| LFFQ_LZ | LFFQ: Lutein + Zeaxanthin (mcg) | Num | | 8 | 2170.39009 | 96.62-7620.99 | | 498 | 99.80 |
| LFFQ_LYCO | LFFQ: Lycopene (mcg) | Num | | 8 | 4231.1507 | 203.01-45593.68 | | 498 | 99.80 |
| LFFQ_DFE | LFFQ: Dietary Folate Equivalents (mcg) | Num | | 8 | 580.90101 | 50.74-2233.31 | | 498 | 99.80 |
| LFFQ_NFOL | LFFQ: Natural Folate (mcg) | Num | | 8 | 253.500465 | 43.94-989.14 | | 498 | 99.80 |
| LFFQ_SFOL | LFFQ: Synthetic Folate (mcg) | Num | | 8 | 176.044533 | 1.16-942.00 | | 498 | 99.80 |
| LFFQ_VARAE | LFFQ: Total Vitamin A Activity (RAE) | Num | | 8 | 1123.70091 | 134.12-5297.79 | | 498 | 99.80 |
| LFFQ_KJ | LFFQ: Energy (kilojoules) | Num | | 8 | 8828.4816 | 1355.69-31410.96 | | 498 | 99.80 |

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| LFFQ_NIAEQ | LFFQ: Niacin Equivalents (mg) | Num | | 8 | 28.1204923 | 3.29-93.93 | | 498 | 99.80 |
| LFFQ_TSUGAR | LFFQ: Total Sugars (gm) | Num | | 8 | 122.325873 | 5.32-495.23 | | 498 | 99.80 |
| LFFQ_OMEGA3 | LFFQ: Omega-3 Fatty Acids (gm) | Num | | 8 | 1.99066327 | 0.31-7.25 | | 498 | 99.80 |
| LFFQ_MN | LFFQ: Manganese (mg) | Num | | 8 | 3.68555614 | 0.64-12.17 | | 498 | 99.80 |
| LFFQ_VITE | LFFQ: Vitamin E (IU) | Num | | 8 | 108.954814 | 2.18-610.20 | | 498 | 99.80 |
| LFFQ_NATATOC | LFFQ: Natural Alpha-Tocopherol (mg) | Num | | 8 | 7.41691102 | 1.46-21.81 | | 498 | 99.80 |
| LFFQ_SYNATOC | LFFQ: Synthetic Alpha-Tocopherol (mg) | Num | | 8 | 65.9271096 | 0.00-404.98 | | 498 | 99.80 |
| LFFQ_DAID | LFFQ: Daidzein (mg) | Num | | 8 | 0.44914851 | 0.00-6.94 | | 498 | 99.80 |
| LFFQ_GENI | LFFQ: Genistein (mg) | Num | | 8 | 0.63350432 | 0.00-10.53 | | 498 | 99.80 |
| LFFQ_GLYT | LFFQ: Glycitein (mg) | Num | | 8 | 0.10948619 | 0.00-1.55 | | 498 | 99.80 |
| LFFQ_COUM | LFFQ: Coumestrol (mg) | Num | | 8 | 0.10514596 | 0.00-1.02 | | 498 | 99.80 |
| LFFQ_BIOA | LFFQ: Biochanin A (mg) | Num | | 8 | 0.02253079 | 0.00-0.30 | | 498 | 99.80 |
| LFFQ_FORMON | LFFQ: Formononetin (mg) | Num | | 8 | 0.0042577 | 0.00-0.06 | | 498 | 99.80 |
| RAVG_SUPP_USE | 0/1 supplement user | Num | | 8 | 0.57715431 | 0.00-1.00 | | 499 | 100.00 |
| NO_RECALLS | number of recalls | Num | | 8 | 3.99599198 | 3.00-4.00 | | 499 | 100.00 |
| RAVG_KCAL | RECALL: Energy Calories | Num | | 8 | 1834.40442 | 543.43-4572.15 | | 499 | 100.00 |
| RAVG_FAT | RECALL: Total Fat | Num | | 8 | 72.6186316 | 17.00-222.02 | | 499 | 100.00 |
| RAVG_TCHO | RECALL: Total Carbohydrate | Num | | 8 | 225.485279 | 62.15-558.68 | | 499 | 100.00 |
| RAVG_PRO | RECALL: Total Protein | Num | | 8 | 72.057703 | 17.89-202.76 | | 499 | 100.00 |
| RAVG_APRO | RECALL: Animal Protein | Num | | 8 | 49.9297521 | 4.00-167.35 | | 499 | 100.00 |

Codebook for dpass

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|--|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| RAVG_VPRO | RECALL: Vegetable Protein | Num | | 8 | 21.7963711 | 6.61-71.57 | | 499 | 100.00 |
| RAVG_ALC | RECALL: Alcohol | Num | | 8 | 2.39504008 | 0.00-80.70 | | 499 | 100.00 |
| RAVG_CHOL | RECALL: Cholesterol | Num | | 8 | 297.04003 | 41.29-1889.45 | | 499 | 100.00 |
| RAVG_SFA | RECALL: Total Saturated Fatty Acids (SFA) | Num | | 8 | 22.0607812 | 3.59-65.65 | | 499 | 100.00 |
| RAVG_MFA | RECALL: Total Monounsaturated Fatty Acids (MUFA) | Num | | 8 | 29.5124165 | 6.22-126.78 | | 499 | 100.00 |
| RAVG_PFA | RECALL: Total Polyunsaturated Fatty Acids (PUFA) | Num | | 8 | 14.8091219 | 3.59-51.64 | | 499 | 100.00 |
| RAVG_TTFA | RECALL: Total Trans-Fatty Acids (TRANS) | Num | | 8 | 5.11507018 | 0.18-20.36 | | 499 | 100.00 |
| RAVG_FRUC | RECALL: Fructose | Num | | 8 | 23.8255831 | 2.28-84.23 | | 499 | 100.00 |
| RAVG_GALA | RECALL: Galactose | Num | | 8 | 0.21220274 | 0.00-4.02 | | 499 | 100.00 |
| RAVG_GLUC | RECALL: Glucose | Num | | 8 | 23.2226793 | 2.67-74.78 | | 499 | 100.00 |
| RAVG_LACT | RECALL: Lactose | Num | | 8 | 7.91252511 | 0.06-64.46 | | 499 | 100.00 |
| RAVG_MALT | RECALL: Maltose | Num | | 8 | 3.3801136 | 0.14-52.08 | | 499 | 100.00 |
| RAVG_SUCR | RECALL: Sucrose | Num | | 8 | 48.0233021 | 3.67-275.49 | | 499 | 100.00 |
| RAVG_STAR | RECALL: Starch | Num | | 8 | 91.7817652 | 20.92-243.28 | | 499 | 100.00 |
| RAVG_DFIB | RECALL: Total Dietary Fiber | Num | | 8 | 15.7667024 | 3.84-53.93 | | 499 | 100.00 |
| RAVG_WSDF | RECALL: Soluble Dietary Fiber | Num | | 8 | 5.36253054 | 1.58-18.29 | | 499 | 100.00 |
| RAVG_IFIB | RECALL: Insoluble Dietary Fiber | Num | | 8 | 10.2843339 | 2.11-37.03 | | 499 | 100.00 |
| RAVG_PECT | RECALL: Pectins | Num | | 8 | 2.11551402 | 0.29-10.72 | | 499 | 100.00 |
| RAVG_VARE | RECALL: Total Vitamin A Activity (RE) | Num | | 8 | 2938.07623 | 82.99-752034.17 | | 499 | 100.00 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|--|----------|------------|------------|------------|------------------|--------------------|-----------|---------|
| RAVG_VA | RECALL: Total Vitamin A Activity (IU) | Num | | 8 | 15284.0488 | 528.42-2513419.9 | | 499 | 100.00 |
| RAVG_BCEQ | RECALL: Beta-Carotene Equivalents | Num | | 8 | 4939.96169 | 105.32-57812.99 | | 499 | 100.00 |
| RAVG_RL | RECALL: Retinol | Num | | 8 | 2114.74958 | 13.04-751039.02 | | 499 | 100.00 |
| RAVG_VD | RECALL: Vitamin D (calciferol) | Num | | 8 | 607.907425 | 0.52-300009.79 | | 499 | 100.00 |
| RAVG_TTC | RECALL: Total Alpha-Tocopherol Equivalents | Num | | 8 | 65.8808229 | 1.41-891.89 | | 499 | 100.00 |
| RAVG_ATC | RECALL: Vitamin E (Total Alpha-Tocopherol) | Num | | 8 | 63.9949556 | 1.10-890.21 | | 499 | 100.00 |
| RAVG_BTC | RECALL: Beta-Tocopherol | Num | | 8 | 0.30177029 | 0.02-1.29 | | 499 | 100.00 |
| RAVG_GTC | RECALL: Gamma-Tocopherol | Num | | 8 | 14.6519993 | 1.99-60.84 | | 499 | 100.00 |
| RAVG_DTC | RECALL: Delta-Tocopherol | Num | | 8 | 2.27735475 | 0.21-11.74 | | 499 | 100.00 |
| RAVG_VK | RECALL: Vitamin K | Num | | 8 | 167.561083 | 10.63-1238.46 | | 499 | 100.00 |
| RAVG_VC | RECALL: Vitamin C | Num | | 8 | 180.091159 | 7.96-1612.86 | | 499 | 100.00 |
| RAVG_THI | RECALL: Thiamin | Num | | 8 | 2.91468954 | 0.51-79.56 | | 499 | 100.00 |
| RAVG_RIB | RECALL: Riboflavin | Num | | 8 | 2.89301285 | 0.43-80.25 | | 499 | 100.00 |
| RAVG_NIA | RECALL: Niacin | Num | | 8 | 28.4221255 | 5.25-341.50 | | 499 | 100.00 |
| RAVG_PANT | RECALL: Pantothenic acid | Num | | 8 | 8.06103597 | 1.16-80.22 | | 499 | 100.00 |
| RAVG_VB6 | RECALL: Vitamin B-6 | Num | | 8 | 3.98769054 | 0.45-90.57 | | 499 | 100.00 |
| RAVG_FOL | RECALL: Total Folate | Num | | 8 | 1015.32479 | 102.36-266817.34 | | 499 | 100.00 |
| RAVG_VB12 | RECALL: Vitamin B-12 | Num | | 8 | 901.164506 | 0.27-250005.23 | | 499 | 100.00 |
| RAVG_CA | RECALL: Calcium | Num | | 8 | 731.471459 | 139.89-2742.57 | | 499 | 100.00 |
| RAVG_P | RECALL: Phosphorus | Num | | 8 | 1100.82632 | 259.63-3067.28 | | 499 | 100.00 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|--------------------------------------|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| RAVG_MG | RECALL: Magnesium | Num | | 8 | 277.301679 | 77.79-1228.30 | | 499 | 100.00 |
| RAVG_FE | RECALL: Iron | Num | | 8 | 16.455967 | 3.79-143.53 | | 499 | 100.00 |
| RAVG_ZN | RECALL: Zinc | Num | | 8 | 13.890121 | 2.16-143.84 | | 499 | 100.00 |
| RAVG_CU | RECALL: Copper | Num | | 8 | 1.60695236 | 0.39-14.52 | | 499 | 100.00 |
| RAVG_SE | RECALL: Selenium | Num | | 8 | 104.962993 | 19.84-428.03 | | 499 | 100.00 |
| RAVG_NA | RECALL: Sodium | Num | | 8 | 3004.93802 | 583.75-8697.56 | | 499 | 100.00 |
| RAVG_K | RECALL: Potassium | Num | | 8 | 2366.8107 | 670.31-7746.63 | | 499 | 100.00 |
| RAVG_SFA04_0 | RECALL: SFA 4:0 (butyric acid) | Num | | 8 | 0.26799432 | 0.00-2.15 | | 499 | 100.00 |
| RAVG_SFA06_0 | RECALL: SFA 6:0 (caproic acid) | Num | | 8 | 0.13709419 | 0.00-1.20 | | 499 | 100.00 |
| RAVG_SFA08_0 | RECALL: SFA 8:0 (caprylic acid) | Num | | 8 | 0.12549265 | 0.00-1.10 | | 499 | 100.00 |
| RAVG_SFA10_0 | RECALL: SFA 10:0 (capric acid) | Num | | 8 | 0.25130762 | 0.00-1.89 | | 499 | 100.00 |
| RAVG_SFA12_0 | RECALL: SFA 12:0 (lauric acid) | Num | | 8 | 0.58238978 | 0.01-3.94 | | 499 | 100.00 |
| RAVG_SFA14_0 | RECALL: SFA 14:0 (myristic acid) | Num | | 8 | 1.45542418 | 0.12-7.29 | | 499 | 100.00 |
| RAVG_SFA16_0 | RECALL: SFA 16:0 (palmitic acid) | Num | | 8 | 12.4507323 | 2.29-37.84 | | 499 | 100.00 |
| RAVG_SFA17_0 | RECALL: SFA 17:0 (margaric acid) | Num | | 8 | 0.02669506 | 0.00-0.45 | | 499 | 100.00 |
| RAVG_SFA18_0 | RECALL: SFA 18:0 (stearic acid) | Num | | 8 | 6.2047398 | 0.91-17.82 | | 499 | 100.00 |
| RAVG_SFA20_0 | RECALL: SFA 20:0 (arachidic acid) | Num | | 8 | 0.05238489 | 0.00-0.52 | | 499 | 100.00 |
| RAVG_SFA22_0 | RECALL: SFA 22:0 (behenic acid) | Num | | 8 | 0.04291424 | 0.00-0.69 | | 499 | 100.00 |
| RAVG_MFA14_1 | RECALL: MUFA 14:1 (myristoleic acid) | Num | | 8 | 0.05995491 | 0.00-1.00 | | 499 | 100.00 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|---|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| RAVG_MFA16_1 | RECALL: MUFA 16:1 (palmitoleic acid) | Num | | 8 | 1.46334339 | 0.26-5.15 | | 499 | 100.00 |
| RAVG_MFA18_1 | RECALL: MUFA 18:1 (oleic acid) | Num | | 8 | 27.0427165 | 5.09-120.15 | | 499 | 100.00 |
| RAVG_MFA20_1 | RECALL: MUFA 20:1 (gadoleic acid) | Num | | 8 | 0.24315492 | 0.02-1.30 | | 499 | 100.00 |
| RAVG_MFA22_1 | RECALL: MUFA 22:1 (erucic acid) | Num | | 8 | 0.13475459 | 0.00-1.41 | | 499 | 100.00 |
| RAVG_PFA18_2 | RECALL: PUFA 18:2 (linoleic acid) | Num | | 8 | 12.9248517 | 3.09-46.30 | | 499 | 100.00 |
| RAVG_PFA18_3 | RECALL: PUFA 18:3 (linolenic acid) | Num | | 8 | 1.28818643 | 0.26-4.30 | | 499 | 100.00 |
| RAVG_PFA18_4 | RECALL: PUFA 18:4 (parinaric acid) | Num | | 8 | 0.016498 | 0.00-0.21 | | 499 | 100.00 |
| RAVG_PFA20_4 | RECALL: PUFA 20:4 (arachidonic acid) | Num | | 8 | 0.20532231 | 0.02-1.14 | | 499 | 100.00 |
| RAVG_PFA20_5 | RECALL: PUFA 20:5 (eicosapentaenoic acid [EPA]) | Num | | 8 | 0.10383434 | 0.00-0.94 | | 499 | 100.00 |
| RAVG_PFA22_5 | RECALL: PUFA 22:5 (docosapentaenoic acid [DPA]) | Num | | 8 | 0.04218604 | 0.00-0.37 | | 499 | 100.00 |
| RAVG_PFA22_6 | RECALL: PUFA 22:6 (docosahexaenoic acid [DHA]) | Num | | 8 | 0.11871409 | 0.00-1.00 | | 499 | 100.00 |
| RAVG_TFA16_1 | RECALL: TRANS 16:1 (trans-hexadecenoic acid) | Num | | 8 | 0.03888778 | 0.00-0.28 | | 499 | 100.00 |
| RAVG_TFA18_1 | RECALL: TRANS 18:1 (trans-octadecenoic acid) | Num | | 8 | 4.49189379 | 0.12-18.40 | | 499 | 100.00 |
| RAVG_TFA18_2 | RECALL: TRANS 18:2 (trans-octadecadienoic acid) | Num | | 8 | 0.5467819 | 0.05-1.95 | | 499 | 100.00 |
| RAVG_TRYP | RECALL: Tryptophan | Num | | 8 | 0.80860888 | 0.21-3.40 | | 499 | 100.00 |
| RAVG_THRE | RECALL: Threonine | Num | | 8 | 2.82121764 | 0.67-8.37 | | 499 | 100.00 |
| RAVG_ISOL | RECALL: Isoleucine | Num | | 8 | 3.2897297 | 0.83-9.91 | | 499 | 100.00 |
| RAVG_LEUC | RECALL: Leucine | Num | | 8 | 5.58364925 | 1.35-15.99 | | 499 | 100.00 |
| RAVG_LYSI | RECALL: Lysine | Num | | 8 | 4.97910683 | 1.07-21.64 | | 499 | 100.00 |
| RAVG_METH | RECALL: Methionine | Num | | 8 | 1.68873923 | 0.27-5.66 | | 499 | 100.00 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|---------------------------|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| RAVG_CYST | RECALL: Cystine | Num | | 8 | 1.0321627 | 0.26-3.09 | | 499 | 100.00 |
| RAVG_PHEN | RECALL: Phenylalanine | Num | | 8 | 3.12953089 | 0.85-9.48 | | 499 | 100.00 |
| RAVG_TYRO | RECALL: Tyrosine | Num | | 8 | 2.4767252 | 0.55-7.35 | | 499 | 100.00 |
| RAVG_VALI | RECALL: Valine | Num | | 8 | 3.6669992 | 0.93-11.30 | | 499 | 100.00 |
| RAVG_ARGI | RECALL: Arginine | Num | | 8 | 4.21983153 | 1.06-12.83 | | 499 | 100.00 |
| RAVG_HIST | RECALL: Histidine | Num | | 8 | 2.01622253 | 0.58-5.57 | | 499 | 100.00 |
| RAVG_ALAN | RECALL: Alanine | Num | | 8 | 3.66669526 | 0.79-11.28 | | 499 | 100.00 |
| RAVG_ASFA | RECALL: Aspartic Acid | Num | | 8 | 6.36938592 | 1.76-19.11 | | 499 | 100.00 |
| RAVG_GLUT | RECALL: Glutamic Acid | Num | | 8 | 13.2057625 | 3.11-33.94 | | 499 | 100.00 |
| RAVG_GLYC | RECALL: Glycine | Num | | 8 | 3.3675336 | 0.85-10.26 | | 499 | 100.00 |
| RAVG_PROL | RECALL: Proline | Num | | 8 | 4.30169689 | 0.91-11.11 | | 499 | 100.00 |
| RAVG_SERI | RECALL: Serine | Num | | 8 | 3.22144472 | 0.93-10.41 | | 499 | 100.00 |
| RAVG_ASPT | RECALL: Aspartame | Num | | 8 | 43.8640782 | 0.00-543.54 | | 499 | 100.00 |
| RAVG_SACC | RECALL: Saccharin | Num | | 8 | 8.49662826 | 0.00-185.06 | | 499 | 100.00 |
| RAVG_CAFF | RECALL: Caffeine | Num | | 8 | 91.8826303 | 0.00-826.31 | | 499 | 100.00 |
| RAVG_PHYT | RECALL: Phytic Acid | Num | | 8 | 662.500951 | 67.44-3766.18 | | 499 | 100.00 |
| RAVG_OXAL | RECALL: Oxalic Acid | Num | | 8 | 269.747155 | 24.79-1848.40 | | 499 | 100.00 |
| RAVG_MH3 | RECALL: 3-Methylhistidine | Num | | 8 | 18.7079776 | 0.63-67.97 | | 499 | 100.00 |
| RAVG_SPOLY | RECALL: Sucrose polyester | Num | | 8 | 0.00104208 | 0.00-0.39 | | 499 | 100.00 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|---|----------|------------|------------|------------|------------------|--------------------|-----------|---------|
| RAVG_ASH | RECALL: Ash | Num | | 8 | 15.9766027 | 5.75-40.89 | | 499 | 100.00 |
| RAVG_WATER | RECALL: Water | Num | | 8 | 2265.34733 | 527.68-7534.74 | | 499 | 100.00 |
| RAVG_BCARO | RECALL: Beta-Carotene | Num | | 8 | 4674.93135 | 82.28-57392.12 | | 499 | 100.00 |
| RAVG_ACARO | RECALL: Alpha-Carotene | Num | | 8 | 398.275748 | 1.17-17445.69 | | 499 | 100.00 |
| RAVG_BCRYP | RECALL: Beta-Cryptoxanthin | Num | | 8 | 132.836241 | 0.16-1241.59 | | 499 | 100.00 |
| RAVG_LZ | RECALL: Lutein + Zeaxanthin | Num | | 8 | 4083.19855 | 152.91-51300.48 | | 499 | 100.00 |
| RAVG_LYCO | RECALL: Lycopene | Num | | 8 | 3493.98414 | 0.00-62109.84 | | 499 | 100.00 |
| RAVG_DFE | RECALL: Dietary Folate Equivalents | Num | | 8 | 1753.44187 | 124.42-533514.54 | | 499 | 100.00 |
| RAVG_NFOL | RECALL: Natural Folate | Num | | 8 | 235.772204 | 54.91-1037.52 | | 499 | 100.00 |
| RAVG_SFOL | RECALL: Synthetic Folate | Num | | 8 | 779.694242 | 8.64-266709.55 | | 499 | 100.00 |
| RAVG_VARAE | RECALL: Total Vitamin A Activity (RAE) | Num | | 8 | 2526.41466 | 64.06-751536.59 | | 499 | 100.00 |
| RAVG_KJ | RECALL: Energy (kilojoules) | Num | | 8 | 7675.13809 | 2273.69-19129.88 | | 499 | 100.00 |
| RAVG_NIAEQ | RECALL: Niacin Equivalents | Num | | 8 | 28.4361819 | 5.25-341.53 | | 499 | 100.00 |
| RAVG_TSUGAR | RECALL: Total Sugars | Num | | 8 | 106.579086 | 11.44-376.18 | | 499 | 100.00 |
| RAVG_OMEGA3 | RECALL: Omega-3 Fatty Acids | Num | | 8 | 1.57305116 | 0.28-5.48 | | 499 | 100.00 |
| RAVG_MN | RECALL: Manganese | Num | | 8 | 3.03246541 | 0.83-9.78 | | 499 | 100.00 |
| RAVG_VITE | RECALL: Vitamin E (International Units) | Num | | 8 | 95.5646219 | 1.63-1326.41 | | 499 | 100.00 |
| RAVG_NATATOC | RECALL: Natural Alpha-Tocopherol | Num | | 8 | 6.28935101 | 1.10-42.67 | | 499 | 100.00 |
| RAVG_SYNATOC | RECALL: Synthetic Alpha-Tocopherol | Num | | 8 | 58.0442919 | 0.00-884.21 | | 499 | 100.00 |
| RAVG_DAID | RECALL: Daidzein (mg) | Num | | 8 | 0.39615564 | 0.00-13.13 | | 499 | 100.00 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|--------------------------------------|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| RAVG_GENI | RECALL: Genistein (mg) | Num | | 8 | 0.58698731 | 0.00-18.08 | | 499 | 100.00 |
| RAVG_GLYT | RECALL: Glycitein (mg) | Num | | 8 | 0.09548096 | 0.00-1.83 | | 499 | 100.00 |
| RAVG_COUM | RECALL: Coumestrol (mg) | Num | | 8 | 0.0482014 | 0.00-0.58 | | 499 | 100.00 |
| RAVG_BIOA | RECALL: Biochanin A (mg) | Num | | 8 | 0.10673347 | 0.00-3.46 | | 499 | 100.00 |
| RAVG_FORMON | RECALL: Formononetin (mg) | Num | | 8 | 0.00614228 | 0.00-0.34 | | 499 | 100.00 |
| SFFQ_N_BLANK | SFFQ: number of unmarked frequencies | Num | | 8 | 0.27346939 | 0.00-80.00 | | 490 | 98.20 |
| SFFQ_SUPP_USE | SFFQ: Use of supplements indicated | Num | | 4 | 0.56326531 | 0.00-1.00 | | 490 | 98.20 |
| SFFQ_INVALID | SFFQ: FFq is not valid 0/1 | Num | | 8 | 0.05918367 | 0.00-1.00 | | 490 | 98.20 |
| SFFQ_SOURCE | SFFQ: Data source | Num | | 8 | 1 | 1.00-1.00 | | 490 | 98.20 |
| SFFQ_BKID1 | SFFQ: Scanned Booklet Number | Char | | 9 | | - | | | |
| SFFQ_ENCID | SFFQ: Encounter/visit ID Number | Char | | 10 | | - | | 9 | 1.80 |
| | | | | | | 00 | | 1 | 0.20 |
| | | | | | | 01 | | 487 | 97.60 |
| | | | | | | 02 | | 2 | 0.40 |
| SFFQ_INTVID | SFFQ: Interviewer ID Number | Char | | 10 | | - | | 10 | 2.00 |
| | | | | | | 054 | | 1 | 0.20 |
| | | | | | | 201 | | 22 | 4.41 |
| | | | | | | 202 | | 97 | 19.44 |
| | | | | | | 203 | | 27 | 5.41 |
| | | | | | | 204 | | 86 | 17.23 |
| | | | | | | 205 | | 126 | 25.25 |
| | | | | | | 206 | | 39 | 7.82 |
| | | | | | | 214 | | 22 | 4.41 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|---|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| | | | | | | 215 | | 11 | 2.20 |
| | | | | | | 216 | | 1 | 0.20 |
| | | | | | | 236 | | 2 | 0.40 |
| | | | | | | 237 | | 6 | 1.20 |
| | | | | | | 240 | | 1 | 0.20 |
| | | | | | | 241 | | 4 | 0.80 |
| | | | | | | 242 | | 2 | 0.40 |
| | | | | | | 253 | | 5 | 1.00 |
| | | | | | | 254 | | 25 | 5.01 |
| | | | | | | 256 | | 11 | 2.20 |
| | | | | | | 354 | | 1 | 0.20 |
| SFFQ_KCAL | SFFQ: Energy Calories | Num | | 8 | 2115.83517 | 117.52-11308.48 | | 490 | 98.20 |
| SFFQ_FAT | SFFQ: Total Fat (gm) | Num | | 8 | 84.3637066 | 1.77-540.38 | | 490 | 98.20 |
| SFFQ_TCHO | SFFQ: Total Carbohydrate (gm) | Num | | 8 | 267.519778 | 25.45-1393.01 | | 490 | 98.20 |
| SFFQ_PRO | SFFQ: Total Protein (gm) | Num | | 8 | 74.0620743 | 1.95-379.31 | | 490 | 98.20 |
| SFFQ_APRO | SFFQ: Animal Protein (gm) | Num | | 8 | 50.1410644 | 0.33-257.11 | | 490 | 98.20 |
| SFFQ_VPRO | SFFQ: Vegetable Protein (gm) | Num | | 8 | 23.4039836 | 1.62-152.15 | | 490 | 98.20 |
| SFFQ_ALC | SFFQ: Alcohol (gm) | Num | | 8 | 2.94951293 | 0.00-129.60 | | 490 | 98.20 |
| SFFQ_CHOL | SFFQ: Cholesterol (mg) | Num | | 8 | 338.118085 | 6.35-1694.13 | | 490 | 98.20 |
| SFFQ_SFA | SFFQ: Total Saturated Fatty Acids (SFA) (gm) | Num | | 8 | 25.6185529 | 0.51-172.63 | | 490 | 98.20 |
| SFFQ_MFA | SFFQ: Total Monounsaturated Fatty Acids (MUFA) (gm) | Num | | 8 | 32.1895635 | 0.55-211.51 | | 490 | 98.20 |
| SFFQ_PFA | SFFQ: Total Polyunsaturated Fatty Acids (PUFA) (gm) | Num | | 8 | 20.010117 | 0.49-133.41 | | 490 | 98.20 |
| SFFQ_TTFA | SFFQ: Total Trans-Fatty Acids (TRANS) (gm) | Num | | 8 | 4.73318542 | 0.10-34.38 | | 490 | 98.20 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|---|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| SFFQ_FRUC | SFFQ: Fructose (gm) | Num | | 8 | 34.7433271 | 4.43-242.32 | | 490 | 98.20 |
| SFFQ_GALA | SFFQ: Galactose (gm) | Num | | 8 | 0.30865865 | 0.00-2.62 | | 490 | 98.20 |
| SFFQ_GLUC | SFFQ: Glucose (gm) | Num | | 8 | 30.2420207 | 3.99-216.63 | | 490 | 98.20 |
| SFFQ_LACT | SFFQ: Lactose (gm) | Num | | 8 | 10.7423499 | 0.26-65.55 | | 490 | 98.20 |
| SFFQ_MALT | SFFQ: Maltose (gm) | Num | | 8 | 2.80558326 | 0.11-16.13 | | 490 | 98.20 |
| SFFQ_SUCR | SFFQ: Sucrose (gm) | Num | | 8 | 57.6253176 | 2.26-353.51 | | 490 | 98.20 |
| SFFQ_STAR | SFFQ: Starch (gm) | Num | | 8 | 100.21431 | 6.24-658.75 | | 490 | 98.20 |
| SFFQ_DFIB | SFFQ: Total Dietary Fiber (gm) | Num | | 8 | 16.5300592 | 2.01-101.61 | | 490 | 98.20 |
| SFFQ_WSDF | SFFQ: Soluble Dietary Fiber (gm) | Num | | 8 | 5.67416785 | 0.67-39.67 | | 490 | 98.20 |
| SFFQ_IFIB | SFFQ: Insoluble Dietary Fiber (gm) | Num | | 8 | 10.7569397 | 1.34-60.08 | | 490 | 98.20 |
| SFFQ_PECT | SFFQ: Pectins (gm) | Num | | 8 | 1.97978555 | 0.41-9.79 | | 490 | 98.20 |
| SFFQ_VARE | SFFQ: Total Vitamin A Activity (RE) | Num | | 8 | 1356.61027 | 19.38-5474.38 | | 490 | 98.20 |
| SFFQ_VA | SFFQ: Total Vitamin A Activity (IU) | Num | | 8 | 8692.01241 | 100.12-45780.21 | | 490 | 98.20 |
| SFFQ_BCEQ | SFFQ: Beta-Carotene Equivalents (mcg) | Num | | 8 | 3750.83573 | 32.22-24774.74 | | 490 | 98.20 |
| SFFQ_RL | SFFQ: Retinol (mcg) | Num | | 8 | 731.470465 | 14.01-4264.76 | | 490 | 98.20 |
| SFFQ_VD | SFFQ: Vitamin D (calciferol) (mcg) | Num | | 8 | 6.97162157 | 0.10-24.13 | | 490 | 98.20 |
| SFFQ_TTC | SFFQ: Total Alpha-Tocopherol Equivalents (mg) | Num | | 8 | 81.5074218 | 0.49-346.69 | | 490 | 98.20 |
| SFFQ_ATC | SFFQ: Vitamin E (Total Alpha-Tocopherol) (mg) | Num | | 8 | 79.360712 | 0.45-345.64 | | 490 | 98.20 |
| SFFQ_BTC | SFFQ: Beta-Tocopherol (mg) | Num | | 8 | 0.27216619 | 0.02-1.99 | | 490 | 98.20 |
| SFFQ_GTC | SFFQ: Gamma-Tocopherol (mg) | Num | | 8 | 15.9721728 | 0.34-122.70 | | 490 | 98.20 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|-----------------------------|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| SFFQ_DTC | SFFQ: Delta-Tocopherol (mg) | Num | | 8 | 3.15118352 | 0.08-18.54 | | 490 | 98.20 |
| SFFQ_VK | SFFQ: Vitamin K (mcg) | Num | | 8 | 123.207542 | 2.79-537.72 | | 490 | 98.20 |
| SFFQ_VC | SFFQ: Vitamin C (mg) | Num | | 8 | 215.341412 | 10.70-988.65 | | 490 | 98.20 |
| SFFQ_THI | SFFQ: Thiamin (mg) | Num | | 8 | 2.06917401 | 0.11-8.89 | | 490 | 98.20 |
| SFFQ_RIB | SFFQ: Riboflavin (mg) | Num | | 8 | 2.24246528 | 0.11-9.80 | | 490 | 98.20 |
| SFFQ_NIA | SFFQ: Niacin (mg) | Num | | 8 | 24.8494504 | 0.91-119.33 | | 490 | 98.20 |
| SFFQ_PANT | SFFQ: Pantothenic acid (mg) | Num | | 8 | 6.70938937 | 0.19-28.01 | | 490 | 98.20 |
| SFFQ_VB6 | SFFQ: Vitamin B-6 (mg) | Num | | 8 | 4.86450749 | 0.17-105.18 | | 490 | 98.20 |
| SFFQ_FOL | SFFQ: Total Folate (mcg) | Num | | 8 | 351.853286 | 13.74-1692.54 | | 490 | 98.20 |
| SFFQ_VB12 | SFFQ: Vitamin B-12 (mcg) | Num | | 8 | 33.7951913 | 0.09-523.30 | | 490 | 98.20 |
| SFFQ_CA | SFFQ: Calcium (mg) | Num | | 8 | 914.435719 | 29.21-3533.27 | | 490 | 98.20 |
| SFFQ_P | SFFQ: Phosphorus (mg) | Num | | 8 | 1265.24734 | 40.64-6237.82 | | 490 | 98.20 |
| SFFQ_MG | SFFQ: Magnesium (mg) | Num | | 8 | 323.167944 | 15.68-1426.89 | | 490 | 98.20 |
| SFFQ_FE | SFFQ: Iron (mg) | Num | | 8 | 17.2320976 | 0.97-99.21 | | 490 | 98.20 |
| SFFQ_ZN | SFFQ: Zinc (mg) | Num | | 8 | 13.9148975 | 0.25-62.35 | | 490 | 98.20 |
| SFFQ_CU | SFFQ: Copper (mg) | Num | | 8 | 1.82386737 | 0.10-9.23 | | 490 | 98.20 |
| SFFQ_SE | SFFQ: Selenium (mcg) | Num | | 8 | 106.588087 | 3.49-558.65 | | 490 | 98.20 |
| SFFQ_NA | SFFQ: Sodium (mg) | Num | | 8 | 4021.54874 | 99.15-23341.87 | | 490 | 98.20 |
| SFFQ_K | SFFQ: Potassium (mg) | Num | | 8 | 2809.64549 | 239.49-14900.63 | | 490 | 98.20 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|---|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| SFFQ_SFA04_0 | SFFQ: SFA 4:0 (butyric acid) (gm) | Num | | 8 | 0.49777848 | 0.01-3.18 | | 490 | 98.20 |
| SFFQ_SFA06_0 | SFFQ: SFA 6:0 (caproic acid) (gm) | Num | | 8 | 0.26483884 | 0.01-1.68 | | 490 | 98.20 |
| SFFQ_SFA08_0 | SFFQ: SFA 8:0 (caprylic acid) (gm) | Num | | 8 | 0.1979096 | 0.00-1.13 | | 490 | 98.20 |
| SFFQ_SFA10_0 | SFFQ: SFA 10:0 (capric acid) (gm) | Num | | 8 | 0.40287183 | 0.01-2.48 | | 490 | 98.20 |
| SFFQ_SFA12_0 | SFFQ: SFA 12:0 (lauric acid) (gm) | Num | | 8 | 0.77728155 | 0.01-11.62 | | 490 | 98.20 |
| SFFQ_SFA14_0 | SFFQ: SFA 14:0 (myristic acid) (gm) | Num | | 8 | 2.01331574 | 0.04-12.51 | | 490 | 98.20 |
| SFFQ_SFA16_0 | SFFQ: SFA 16:0 (palmitic acid) (gm) | Num | | 8 | 14.3155768 | 0.30-97.07 | | 490 | 98.20 |
| SFFQ_SFA17_0 | SFFQ: SFA 17:0 (margaric acid) (gm) | Num | | 8 | 0.04083863 | 0.00-0.35 | | 490 | 98.20 |
| SFFQ_SFA18_0 | SFFQ: SFA 18:0 (stearic acid) (gm) | Num | | 8 | 6.53887977 | 0.11-47.66 | | 490 | 98.20 |
| SFFQ_SFA20_0 | SFFQ: SFA 20:0 (arachidic acid) (gm) | Num | | 8 | 0.07242733 | 0.00-0.69 | | 490 | 98.20 |
| SFFQ_SFA22_0 | SFFQ: SFA 22:0 (behenic acid) (gm) | Num | | 8 | 0.06953848 | 0.00-0.93 | | 490 | 98.20 |
| SFFQ_MFA14_1 | SFFQ: MUFA 14:1 (myristoleic acid) (gm) | Num | | 8 | 0.05754579 | 0.00-0.40 | | 490 | 98.20 |
| SFFQ_MFA16_1 | SFFQ: MUFA 16:1 (palmitoleic acid) (gm) | Num | | 8 | 1.46179443 | 0.01-8.83 | | 490 | 98.20 |
| SFFQ_MFA18_1 | SFFQ: MUFA 18:1 (oleic acid) (gm) | Num | | 8 | 28.9148187 | 0.45-189.10 | | 490 | 98.20 |
| SFFQ_MFA20_1 | SFFQ: MUFA 20:1 (gadoleic acid) (gm) | Num | | 8 | 0.25546071 | 0.00-1.86 | | 490 | 98.20 |
| SFFQ_MFA22_1 | SFFQ: MUFA 22:1 (erucic acid) (gm) | Num | | 8 | 0.23359252 | 0.00-2.14 | | 490 | 98.20 |
| SFFQ_PFA18_2 | SFFQ: PUFA 18:2 (linoleic acid) (gm) | Num | | 8 | 17.5958825 | 0.43-119.95 | | 490 | 98.20 |
| SFFQ_PFA18_3 | SFFQ: PUFA 18:3 (linolenic acid) (gm) | Num | | 8 | 1.80094359 | 0.05-10.99 | | 490 | 98.20 |
| SFFQ_PFA18_4 | SFFQ: PUFA 18:4 (parinaric acid) (gm) | Num | | 8 | 0.03067124 | 0.00-0.29 | | 490 | 98.20 |
| SFFQ_PFA20_4 | SFFQ: PUFA 20:4 (arachidonic acid) (gm) | Num | | 8 | 0.18010286 | 0.00-0.86 | | 490 | 98.20 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|--|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| SFFQ_PFA20_5 | SFFQ: PUFA 20:5 (eicosapentaenoic acid [EPA]) (gm) | Num | | 8 | 0.14953213 | 0.00-1.39 | | 490 | 98.20 |
| SFFQ_PFA22_5 | SFFQ: PUFA 22:5 (docosapentaenoic acid [DPA]) (gm) | Num | | 8 | 0.04200758 | 0.00-0.40 | | 490 | 98.20 |
| SFFQ_PFA22_6 | SFFQ: PUFA 22:6 (docosahexaenoic acid [DHA]) (gm) | Num | | 8 | 0.13002669 | 0.00-1.02 | | 490 | 98.20 |
| SFFQ_TFA16_1 | SFFQ: TRANS 16:1 (trans-hexadecenoic acid) (gm) | Num | | 8 | 0.06569453 | 0.00-0.59 | | 490 | 98.20 |
| SFFQ_TFA18_1 | SFFQ: TRANS 18:1 (trans-octadecenoic acid) (gm) | Num | | 8 | 4.06786699 | 0.08-30.61 | | 490 | 98.20 |
| SFFQ_TFA18_2 | SFFQ: TRANS 18:2 (trans-octadecadienoic acid (gm) | Num | | 8 | 0.55244422 | 0.01-3.41 | | 490 | 98.20 |
| SFFQ_TRYP | SFFQ: Tryptophan (gm) | Num | | 8 | 0.82591694 | 0.02-4.35 | | 490 | 98.20 |
| SFFQ_THRE | SFFQ: Threonine (gm) | Num | | 8 | 2.873309 | 0.07-14.54 | | 490 | 98.20 |
| SFFQ_ISOL | SFFQ: Isoleucine (gm) | Num | | 8 | 3.35485719 | 0.07-16.97 | | 490 | 98.20 |
| SFFQ_LEUC | SFFQ: Leucine (gm) | Num | | 8 | 5.86632949 | 0.14-29.70 | | 490 | 98.20 |
| SFFQ_LYSI | SFFQ: Lysine (gm) | Num | | 8 | 5.02160639 | 0.08-25.17 | | 490 | 98.20 |
| SFFQ_METH | SFFQ: Methionine (gm) | Num | | 8 | 1.71727684 | 0.03-8.49 | | 490 | 98.20 |
| SFFQ_CYST | SFFQ: Cystine (gm) | Num | | 8 | 1.05728421 | 0.03-5.51 | | 490 | 98.20 |
| SFFQ_PHEN | SFFQ: Phenylalanine (gm) | Num | | 8 | 3.25390366 | 0.08-17.08 | | 490 | 98.20 |
| SFFQ_TYRO | SFFQ: Tyrosine (gm) | Num | | 8 | 2.5787326 | 0.06-13.19 | | 490 | 98.20 |
| SFFQ_VALI | SFFQ: Valine (gm) | Num | | 8 | 3.80070966 | 0.09-19.74 | | 490 | 98.20 |
| SFFQ_ARGI | SFFQ: Arginine (gm) | Num | | 8 | 4.29667655 | 0.15-23.92 | | 490 | 98.20 |
| SFFQ_HIST | SFFQ: Histidine (gm) | Num | | 8 | 2.03147813 | 0.06-10.11 | | 490 | 98.20 |
| SFFQ_ALAN | SFFQ: Alanine (gm) | Num | | 8 | 3.70322889 | 0.09-18.74 | | 490 | 98.20 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|--|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| SFFQ_ASPA | SFFQ: Aspartic Acid (gm) | Num | | 8 | 6.61012442 | 0.16-36.41 | | 490 | 98.20 |
| SFFQ_GLUT | SFFQ: Glutamic Acid (gm) | Num | | 8 | 13.6181299 | 0.40-71.76 | | 490 | 98.20 |
| SFFQ_GLYC | SFFQ: Glycine (gm) | Num | | 8 | 3.25638859 | 0.07-17.80 | | 490 | 98.20 |
| SFFQ_PROL | SFFQ: Proline (gm) | Num | | 8 | 4.52751639 | 0.17-23.56 | | 490 | 98.20 |
| SFFQ_SERI | SFFQ: Serine (gm) | Num | | 8 | 3.3468393 | 0.09-17.74 | | 490 | 98.20 |
| SFFQ_ASPT | SFFQ: Aspartame (mg) | Num | | 8 | 73.7623273 | 0.00-1860.00 | | 490 | 98.20 |
| SFFQ_SACC | SFFQ: Saccharin (mg) | Num | | 8 | 0 | 0.00-0.00 | | 490 | 98.20 |
| SFFQ_CAFF | SFFQ: Caffeine (mg) | Num | | 8 | 162.461241 | 0.00-1577.80 | | 490 | 98.20 |
| SFFQ_PHYT | SFFQ: Phytic Acid (mg) | Num | | 8 | 732.273482 | 32.07-4580.51 | | 490 | 98.20 |
| SFFQ_OXAL | SFFQ: Oxalic Acid (mg) | Num | | 8 | 247.536741 | 32.73-1802.17 | | 490 | 98.20 |
| SFFQ_MH3 | SFFQ: 3-Methylhistidine (mg) | Num | | 8 | 17.6969878 | 0.00-118.87 | | 490 | 98.20 |
| SFFQ_SPOLY | SFFQ: Sucrose polyester (gm) | Num | | 8 | 0 | 0.00-0.00 | | 490 | 98.20 |
| SFFQ_ASH | SFFQ: Ash (gm) | Num | | 8 | 20.4381541 | 0.89-102.29 | | 490 | 98.20 |
| SFFQ_WATER | SFFQ: Water (gm) | Num | | 8 | 4457.63228 | 70.91-16384.87 | | 490 | 98.20 |
| SFFQ_BCARO | SFFQ: Beta-Carotene (mcg) | Num | | 8 | 3445.53428 | 26.07-22382.64 | | 490 | 98.20 |
| SFFQ_ACARO | SFFQ: Alpha-Carotene (mcg) | Num | | 8 | 468.010333 | 6.47-4429.99 | | 490 | 98.20 |
| SFFQ_BCRYP | SFFQ: Beta-Cryptoxanthin (mcg) | Num | | 8 | 143.996782 | 3.97-1560.49 | | 490 | 98.20 |
| SFFQ_LZ | SFFQ: Lutein + Zeaxanthin (mcg) | Num | | 8 | 2699.39968 | 51.78-9495.54 | | 490 | 98.20 |
| SFFQ_LYCO | SFFQ: Lycopene (mcg) | Num | | 8 | 4542.56374 | 0.00-90569.93 | | 490 | 98.20 |
| SFFQ_DFE | SFFQ: Dietary Folate Equivalents (mcg) | Num | | 8 | 438.103154 | 16.43-1903.27 | | 490 | 98.20 |

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| Variable Name | Variable Label (VAR) | VAR Type | VAR Format | VAR Length | Mean | Range of Values | Frequency Category | Frequency | Percent |
|---------------|---------------------------------------|----------|------------|------------|------------|-----------------|--------------------|-----------|---------|
| SFFQ_NFOL | SFFQ: Natural Folate (mcg) | Num | | 8 | 248.884382 | 9.90-1391.53 | | 490 | 98.20 |
| SFFQ_SFOL | SFFQ: Synthetic Folate (mcg) | Num | | 8 | 102.960065 | 0.49-542.53 | | 490 | 98.20 |
| SFFQ_VARAE | SFFQ: Total Vitamin A Activity (RAE) | Num | | 8 | 1044.04114 | 16.70-4782.45 | | 490 | 98.20 |
| SFFQ_KJ | SFFQ: Energy (kilojoules) | Num | | 8 | 8852.61666 | 491.69-47314.67 | | 490 | 98.20 |
| SFFQ_NIAEQ | SFFQ: Niacin Equivalents (mg) | Num | | 8 | 24.8597998 | 0.91-119.42 | | 490 | 98.20 |
| SFFQ_TSUGAR | SFFQ: Total Sugars (gm) | Num | | 8 | 136.472256 | 13.68-836.77 | | 490 | 98.20 |
| SFFQ_OMEGA3 | SFFQ: Omega-3 Fatty Acids (gm) | Num | | 8 | 2.15237187 | 0.05-12.18 | | 490 | 98.20 |
| SFFQ_MN | SFFQ: Manganese (mg) | Num | | 8 | 3.42449032 | 0.18-17.28 | | 490 | 98.20 |
| SFFQ_VITE | SFFQ: Vitamin E (IU) | Num | | 8 | 118.504906 | 0.67-515.03 | | 490 | 98.20 |
| SFFQ_NATATOC | SFFQ: Natural Alpha-Tocopherol (mg) | Num | | 8 | 7.48349079 | 0.45-41.42 | | 490 | 98.20 |
| SFFQ_SYNATOC | SFFQ: Synthetic Alpha-Tocopherol (mg) | Num | | 8 | 72.3077816 | 0.00-339.65 | | 490 | 98.20 |
| SFFQ_DAID | SFFQ: Daidzein (mg) | Num | | 8 | 0.31364827 | 0.01-2.24 | | 490 | 98.20 |
| SFFQ_GENI | SFFQ: Genistein (mg) | Num | | 8 | 0.43749781 | 0.01-3.44 | | 490 | 98.20 |
| SFFQ_GLYT | SFFQ: Glycitein (mg) | Num | | 8 | 0.08740388 | 0.00-0.68 | | 490 | 98.20 |
| SFFQ_COUM | SFFQ: Coumestrol (mg) | Num | | 8 | 0.08209802 | 0.00-1.30 | | 490 | 98.20 |
| SFFQ_BIOA | SFFQ: Biochanin A (mg) | Num | | 8 | 0.02675381 | 0.00-0.29 | | 490 | 98.20 |
| SFFQ_FORMON | SFFQ: Formononetin (mg) | Num | | 8 | 0.00321341 | 0.00-0.12 | | 490 | 98.20 |
| IN_LFFQ | 0/1 Long FFQ data available | Num | | 8 | 0.99799599 | 0.00-1.00 | | 499 | 100.00 |
| IN_SFFQ | 0/1 Short FFQ data available | Num | | 8 | 0.98196393 | 0.00-1.00 | | 499 | 100.00 |

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