

## Codebook for jhs\_foodlevel\_073117 Dataset

DATA SET: jhs\_foodlevel\_073117

LABEL:

DATE CREATED: 14MAY18:15:46:12

Number of Observations: 1933191

Number of Variables: 162

Organization of file: Summary of Participants

Variable Name	Label	Type	Format	Length	Mean	Range	Frequency Category	Frequency	Percent
SHTGRP	Short group food categories	Char	\$	3		-			
TUFTGRP	Tuft group food categories	Char	\$	5		-			
ITEMNAM	Line item name	Char	\$	50		-			
FOODNAME	Line item subcomponent name	Char	\$	50		-			
ID	Study Participant ID Number	Char		10		-			
BKID1	Booklet1	Char		9		-			
DB_LOC	NAME OF FORMER VARIABLE	Char		8		-			
FD_GRAMS	Total Grams (g)	Num		8	10.808983	0.00-6478.03		1855670	95.99
FD_KCAL	Energy (kcal)	Num		8	5.13720076	0.00-2785.55		1932422	99.96
FD_FAT	Total Fat (g)	Num		8	0.20991905	0.00-76.01		1932422	99.96
FD_TCHO	Total Carbohydrate (g)	Num		8	0.6302526	0.00-533.29		1932422	99.96
FD_PRO	Total Protein (g)	Num		8	0.18342732	0.00-146.59		1932422	99.96
FD_APRO	Animal Protein (g)	Num		8	0.13197521	0.00-146.59		1855670	95.99
FD_VPRO	Vegetable Protein (g)	Num		8	0.05903829	0.00-29.80		1855670	95.99

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FD_ALC	Alcohol (g)	Num		8	0.0097877	0.00-252.64		1855670	95.99
FD_CHOL	Cholesterol (mg)	Num		8	0.80983853	0.00-866.59		1932422	99.96
FD_SFA	Total Saturated Fatty Acids (SFA) (g)	Num		8	0.06612286	0.00-35.87		1932422	99.96
FD_MFA	Total Monounsaturated Fatty Acids (MUFA) (g)	Num		8	0.0773165	0.00-34.87		1932422	99.96
FD_PFA	Total Polyunsaturated Fatty Acids (PUFA) (g)	Num		8	0.04871453	0.00-40.10		1932422	99.96
FD_FRUC	Fructose (g)	Num		8	0.08076083	0.00-245.45		1932422	99.96
FD_GALA	Galactose (g)	Num		8	0.00096046	0.00-4.41		1855670	95.99
FD_GLUC	Glucose (g)	Num		8	0.07262699	0.00-223.13		1932422	99.96
FD_LACT	Lactose (g)	Num		8	0.02541013	0.00-116.00		1855670	95.99
FD_MALT	Maltose (g)	Num		8	0.00614076	0.00-5.72		1855670	95.99
FD_SUCR	Sucrose (g)	Num		8	0.12975448	0.00-401.87		1932422	99.96
FD_STAR	Starch (g)	Num		8	0.24794859	0.00-98.12		1855670	95.99
FD_DFIB	Total Dietary Fiber (g)	Num		8	0.04073961	0.00-44.95		1932422	99.96

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FD_WSDF	Soluble Dietary Fiber (g)	Num		8	0.01319605	0.00-27.07		1932422	99.96
FD_IFIB	Insoluble Dietary Fiber (g)	Num		8	0.02745925	0.00-39.62		1932422	99.96
FD_PECT	Pectins (g)	Num		8	0.0055936	0.00-12.45		1826905	94.50
FD_VA	Total Vitamin A Activity (IU) (IU)	Num		8	19.6615364	0.00-28669.11		1932422	99.96
FD_BCEQ	Beta-Carotene Equivalents (mcg)	Num		8	8.2598558	0.00-16948.88		1855670	95.99
FD_RL	Retinol (mcg)	Num		8	1.24315128	0.00-6163.46		1932422	99.96
FD_VD	Vitamin D (calciferol) (mcg)	Num		8	0.02133801	0.00-45.90		1932422	99.96
FD_TTC	Total Alpha-Tocopherol Equivalents (mg)	Num		8	0.02585461	0.00-45.02		1855670	95.99
FD_ATC	Vitamin E (Total Alpha-Tocopherol) (mg)	Num		8	0.01925482	0.00-21.29		1932422	99.96
FD_BTC	Beta-Tocopherol (mg)	Num		8	0.00131758	0.00-2.59		1932422	99.96
FD_GTC	Gamma-Tocopherol (mg)	Num		8	0.04530505	0.00-40.16		1932422	99.96
FD_DTC	Delta-Tocopherol (mg)	Num		8	0.00928427	0.00-12.69		1932422	99.96
FD_VK	Vitamin K (phylloquinone) (mcg)	Num		8	0.3250113	0.00-454.99		1932422	99.96
FD_VC	Vitamin C (ascorbic acid) (mg)	Num		8	0.45983431	0.00-637.27		1932422	99.96

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FD THI	Thiamin (vitamin B1) (mg)	Num		8	0.00655706	0.00-25.00		1932422	99.96
FD RIB	Riboflavin (vitamin B2) (mg)	Num		8	0.00725191	0.00-25.00		1932422	99.96
FD NIA	Niacin (vitamin B3) (mg)	Num		8	0.06642436	0.00-53.33		1932422	99.96
FD PANT	Pantothenic Acid (mg)	Num		8	0.0205641	0.00-25.00		1932422	99.96
FD VB6	Vitamin B-6 (mg)	Num		8	0.0107183	0.00-100.00		1932422	99.96
FD FOL	Total Folate (mcg)	Num		8	0.72321712	0.00-600.12		1855670	95.99
FD VB12	Vitamin B-12 (mcg)	Num		8	0.06700857	0.00-500.00		1932422	99.96
FD CA	Calcium (mg)	Num		8	2.12027807	0.00-2788.45		1932422	99.96
FD P	Phosphorus (mg)	Num		8	2.97394317	0.00-2119.22		1932422	99.96
FD MG	Magnesium (mg)	Num		8	0.66304379	0.00-514.80		1932422	99.96
FD FE	Iron (mg)	Num		8	0.03729063	0.00-65.00		1932422	99.96
FD ZN	Zinc (mg)	Num		8	0.0273593	0.00-22.51		1932422	99.96
FD CU	Copper (mg)	Num		8	0.00328675	0.00-9.32		1932422	99.96

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FD_SE	Selenium (mcg)	Num		8	0.25716389	0.00-200.00		1932422	99.96
FD_NA	Sodium (mg)	Num		8	9.78191379	0.00-3432.03		1932422	99.96
FD_K	Potassium (mg)	Num		8	6.32387511	0.00-6189.82		1932422	99.96
FD_S04_0	SFA 4:0 (butyric acid) (g)	Num		8	0.00141062	0.00-2.01		1855670	95.99
FD_S06_0	SFA 6:0 (caproic acid) (g)	Num		8	0.00079549	0.00-1.31		1855670	95.99
FD_S08_0	SFA 8:0 (caprylic acid) (g)	Num		8	0.00064613	0.00-1.35		1855670	95.99
FD_S10_0	SFA 10:0 (capric acid) (g)	Num		8	0.00112448	0.00-1.58		1932422	99.96
FD_S12_0	SFA 12:0 (lauric acid) (g)	Num		8	0.00214264	0.00-12.47		1932422	99.96
FD_S14_0	SFA 14:0 (myristic acid) (g)	Num		8	0.00536239	0.00-5.86		1932422	99.96
FD_S16_0	SFA 16:0 (palmitic acid) (g)	Num		8	0.03626361	0.00-16.16		1932422	99.96
FD_S17_0	SFA 17:0 (margaric acid) (g)	Num		8	0.0001924	0.00-0.35		1855670	95.99
FD_S18_0	SFA 18:0 (stearic acid) (g)	Num		8	0.01676242	0.00-7.20		1932422	99.96
FD_S20_0	SFA 20:0 (arachidic acid) (g)	Num		8	0.00031716	0.00-0.40		1932422	99.96
FD_S22_0	SFA 22:0 (behenic acid) (g)	Num		8	0.0002716	0.00-0.90		1932422	99.96

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FD_M14_1	MUFA 14:1 (myristoleic acid) (g)	Num		8	0.00015407	0.00-0.46		1932422	99.96
FD_M16_1	MUFA 16:1 (palmitoleic acid) (g)	Num		8	0.00363087	0.00-4.12		1932422	99.96
FD_M18_1	MUFA 18:1 (oleic acid) (g)	Num		8	0.07190636	0.00-34.87		1932422	99.96
FD_M20_1	MUFA 20:1 (gadoleic acid) (g)	Num		8	0.00066086	0.00-1.26		1932422	99.96
FD_M22_1	MUFA 22:1 (erucic acid) (g)	Num		8	0.00052477	0.00-3.22		1855670	95.99
FD_P18_2	PUFA 18:2 (linoleic acid) (g)	Num		8	0.04286582	0.00-39.67		1932422	99.96
FD_P18_3	PUFA 18:3 (linolenic acid) (g)	Num		8	0.0044342	0.00-4.05		1932422	99.96
FD_P18_4	PUFA 18:4 (parinaric acid) (g)	Num		8	0.00007155	0.00-0.37		1855670	95.99
FD_P20_4	PUFA 20:4 (arachidonic acid) (g)	Num		8	0.00046129	0.00-0.68		1932422	99.96
FD_P20_5	PUFA 20:5 (eicosapentaenoic acid [EPA]) (g)	Num		8	0.00031807	0.00-1.41		1932422	99.96
FD_P22_5	PUFA 22:5 (docosapentaenoic acid [DPA]) (g)	Num		8	0.00009125	0.00-0.34		1932422	99.96
FD_P22_6	PUFA 22:6 (docosahexaenoic acid [DHA]) (g)	Num		8	0.00026601	0.00-1.52		1932422	99.96
FD_TRYP	Tryptophan (g)	Num		8	0.00202298	0.00-1.64		1932422	99.96

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FD_THRE	Threonine (g)	Num		8	0.00691945	0.00-6.07		1932422	99.96
FD_ISOL	Isoleucine (g)	Num		8	0.00807799	0.00-7.36		1932422	99.96
FD_LEUC	Leucine (g)	Num		8	0.01433302	0.00-10.70		1932422	99.96
FD_LYSI	Lysine (g)	Num		8	0.01234916	0.00-11.99		1932422	99.96
FD_METH	Methionine (g)	Num		8	0.00420798	0.00-3.92		1932422	99.96
FD_CYST	Cystine (g)	Num		8	0.0025885	0.00-2.59		1932422	99.96
FD_PHEN	Phenylalanine (g)	Num		8	0.00795267	0.00-5.71		1932422	99.96
FD_TYRO	Tyrosine (g)	Num		8	0.00616186	0.00-4.75		1932422	99.96
FD_VALI	Valine (g)	Num		8	0.00921233	0.00-7.13		1932422	99.96
FD_ARGI	Arginine (g)	Num		8	0.0103517	0.00-9.15		1932422	99.96
FD_HIST	Histidine (g)	Num		8	0.00502428	0.00-4.34		1932422	99.96
FD_ALAN	Alanine (g)	Num		8	0.0091089	0.00-8.49		1932422	99.96
FD_ASPL	Aspartic Acid (g)	Num		8	0.01651713	0.00-13.07		1932422	99.96
FD GLUT	Glutamic Acid (g)	Num		8	0.0329519	0.00-21.49		1932422	99.96

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FD,GLYC	Glycine (g)	Num		8	0.00792775	0.00-9.22		1932422	99.96
FD,PROL	Proline (g)	Num		8	0.01122231	0.00-8.01		1932422	99.96
FD,SERI	Serine (g)	Num		8	0.00816675	0.00-5.16		1932422	99.96
FD,ASPT	Aspartame (mg)	Num		8	0.18273574	0.00-2146.25		1855670	95.99
FD,SACC	Saccharin (mg)	Num		8	0.00955359	0.00-395.80		1855670	95.99
FD,CAF	Caffeine (mg)	Num		8	0.30713394	0.00-2304.00		1855670	95.99
FD,PHYT	Phytic Acid (mg)	Num		8	1.38190716	0.00-1790.40		1932422	99.96
FD,OXAL	Oxalic Acid (mg)	Num		8	0.31166194	0.00-420.75		1855670	95.99
FD,MH3	3-Methylhistidine (mg)	Num		8	0.04759122	0.00-71.38		1855670	95.99
FD,SP	Sucrose Polyester (g)	Num		8	0	0.00-0.00		1855670	95.99
FD,ASH	Ash (g)	Num		8	0.05173456	0.00-20.16		1855670	95.99
FD,W	Water (g)	Num		8	9.79969066	0.00-5957.19		1855670	95.99
FD,VARE	Total Vitamin A Activity (RE) (mcg)	Num		8	2.67121263	0.00-6182.73		1855670	95.99

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FD_F181T	TRANS 18:1 (trans-octadecenoic acid) (g)	Num		8	0.00988516	0.00-12.71		1855670	95.99
FD_F182T	TRANS 18:2 (trans-octadecadienoic acid) (g)	Num		8	0.00143666	0.00-1.31		1855670	95.99
FD_F161T	TRANS 16:1 (trans-hexadecenoic acid) (g)	Num		8	0.00008507	0.00-0.13		1855670	95.99
FD_TTFA	Total Trans-Fatty Acids (TRANS) (g)	Num		8	0.01159276	0.00-14.29		1855670	95.99
FD_BCAR	Beta-Carotene (provitamin A carotenoid) (mcg)	Num		8	7.6137131	0.00-16914.80		1932422	99.96
FD_ACAR	Alpha-Carotene (provitamin A carotenoid) (mcg)	Num		8	0.88113533	0.00-1301.29		1932422	99.96
FD_BCRY	Beta-Cryptoxanthin (provitamin A carotenoid) (mcg)	Num		8	0.18729744	0.00-1668.52		1932422	99.96
FD_LZ	Lutein + Zeaxanthin (mcg)	Num		8	5.46084079	0.00-10446.44		1932422	99.96
FD_LYCO	Lycopene (mcg)	Num		8	8.38246687	0.00-96945.07		1932422	99.96
FD_DFE	Dietary Folate Equivalents (mcg)	Num		8	0.81250097	0.00-1017.45		1855670	95.99
FD_NFOL	Natural Folate (mcg)	Num		8	0.5956543	0.00-388.68		1855670	95.99
FD_SFOL	Synthetic Folate (mcg)	Num		8	0.41849528	0.00-596.52		1932422	99.96
FD_VARAE	Total Vitamin A Activity (RAE) (mcg)	Num		8	1.98288866	0.00-6173.09		1855670	95.99
FD_KJ	Energy (kilojoules) (kj)	Num		8	22.3830651	0.00-11654.75		1855670	95.99

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FD_NIAEQ	Niacin Equivalents (mg)	Num		8	0.08665075	0.00-62.38		1855670	95.99
FD_TSUGAR	Total Sugars (g)	Num		8	0.32736503	0.00-591.30		1855670	95.99
FD_OMEGA3	Omega-3 Fatty Acids (g)	Num		8	0.00517813	0.00-4.78		1932422	99.96
FD_MN	Manganese (mg)	Num		8	0.00751849	0.00-12.61		1932422	99.96
FD_VITE	Vitamin E (IU) (IU)	Num		8	0.03013675	0.00-45.02		1855670	95.99
FD_NATATOC	Natural Alpha-Tocopherol (mg)	Num		8	0.01969056	0.00-21.29		1855670	95.99
FD_SYNATOC	Synthetic Alpha-Tocopherol (mg)	Num		8	0.00080146	0.00-45.01		1855670	95.99
FD_DAID	Daidzein (mg)	Num		8	0.00039258	0.00-2.08		1932422	99.96
FD_GENI	Genistein (mg)	Num		8	0.00046097	0.00-3.36		1932422	99.96
FD_GLYT	Glycitein (mg)	Num		8	0.00005318	0.00-0.59		1932422	99.96
FD_COUM	Coumestrol (mg)	Num		8	0.0002874	0.00-1.73		1855670	95.99
FD_BIOA	Biochanin A (mg)	Num		8	0.0000673	0.00-0.33		1855670	95.99
FD_FORMON	Formononetin (mg)	Num		8	2.20503E-6	0.00-0.02		1855670	95.99

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FD_ASUGAR	Added Sugars (g)	Num		8	0.21570088	0.00-533.29		1855670	95.99
FD_ACESK	Acesulfame Potassium (mg)	Num		8	0	0.00-0.00		1855670	95.99
FD_SUCL	Sucralose (mg)	Num		8	0	0.00-0.00		1855670	95.99
FD_ACHO	Available Carbohydrate (g)	Num		8	0.61260111	0.00-533.29		1855670	95.99
FD_GIG	Glycemic Index (glucose reference)	Num		8	2.48979161	0.00-3514.33		1855670	95.99
FD_GIB	Glycemic Index (bread reference)	Num		8	3.55843528	0.00-5020.47		1855670	95.99
FD_GLG	Glycemic Load (glucose reference)	Num		8	0.3673194	0.00-335.98		1855670	95.99
FD_GLB	Glycemic Load (bread reference)	Num		8	0.52499641	0.00-479.96		1855670	95.99
FD_CHOLINE	Choline (mg)	Num		8	0.82037138	0.00-654.28		1932422	99.96
FD_BETAINE	Betaine (mg)	Num		8	0.31355071	0.00-552.24		1932422	99.96
FD_ERYTH	Erythritol (g)	Num		8	3.98756E-6	0.00-0.04		1855670	95.99
FD_INOS	Inositol (g)	Num		8	0.00048217	0.00-2.64		1932422	99.96
FD_ISOM	Isomalt (g)	Num		8	0	0.00-0.00		1855670	95.99
FD_LACTL	Lactitol (g)	Num		8	0	0.00-0.00		1855670	95.99

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FD_MALTITOL	Maltitol (g)	Num		8	0	0.00-0.00		1855670	95.99
FD_MANI	Mannitol (g)	Num		8	0.00039735	0.00-3.34		1932422	99.96
FD_PINI	Pinitol (g)	Num		8	0.0000146	0.00-0.05		1932422	99.96
FD_SORB	Sorbitol (g)	Num		8	0.0007592	0.00-6.29		1932422	99.96
FD_XYLI	Xylitol (g)	Num		8	0.00003131	0.00-0.16		1932422	99.96
FD_NITROGEN	Nitrogen (g)	Num		8	0.03084404	0.00-23.43		1855670	95.99
FD_CLA_TOTAL	Total Conjugated Linoleic Acid (CLA 18:2) (g)	Num		8	0.00037403	0.00-0.33		1855670	95.99
FD_CLA_C9T11	CLA cis-9, trans-11 (g)	Num		8	0.00030352	0.00-0.28		1855670	95.99
FD_CLA_T10C12	CLA trans-10, cis-12 (g)	Num		8	0.00006831	0.00-0.05		1855670	95.99
FD_TAG	Tagatose (mg)	Num		8	0.00357216	0.00-14.21		1855670	95.99
FD_VD2	Vitamin D2 (ergocalciferol) (mcg)	Num		8	4.38704E-6	0.00-0.02		1855670	95.99
FD_VD3	Vitamin D3 (cholecalciferol) (mcg)	Num		8	0.01455939	0.00-45.90		1855670	95.99
FD_NUM		Num		8	202	1.00-403.00		1933191	100.00