Supplementary Table 1. Coffee types for each coffee item identified by FNDDS food code in dietary recall, NHANES 2009-2014.

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| FNDDS food code | FNDDS food description | Caffeinated status | Sugary status | Fatty status | Milk-containing status |
| 92100000 | coffee, ns as to type | 1 | - | 1 | - |
| 92100500 | coffee, regular, ns as to ground or instant | 1 | - | 1 | - |
| 92101000 | coffee, brewed | 1 | - | 1 | - |
| 92101500 | coffee, made from ground, equal parts regular and decaffeinated | 0 | - | 1 | - |
| 92101600 | coffee, turkish | 1 | - | 1 | - |
| 92101610 | coffee, espresso | 1 | - | 1 | - |
| 92101630 | coffee, espresso, decaffeinated | 0 | - | 1 | - |
| 92101640 | coffee, mexican, regular, unsweetened (- milk; -t cafe con leche) | 1 | 0 | 1 | 0 |
| 92101650 | coffee, mexican, regular, sweetened (- milk; -t cafe con leche) | 1 | 1 | 1 | 0 |
| 92101660 | coffee, mexican, decaffeinated, unsweetened (- milk; -t cafe con leche) | 0 | 0 | 1 | 0 |
| 92101670 | coffee, mexican, decaffeinated, sweetened (- milk; -t cafe con leche) | 0 | 1 | 1 | 0 |
| 92101700 | coffee, made from ground, regular, flavored | 1 | - | 1 | - |
| 92101700 | coffee, brewed, flavored | 1 | - | 1 | - |
| 92101800 | coffee, cuban | 1 | - | 1 | - |
| 92101810 | coffee, macchiato | 1 | - | 1 | - |
| 92101820 | coffee, macchiato, sweetened | 1 | 1 | 1 | - |
| 92101850 | coffee, cafe con leche | 1 | - | 1 | - |
| 92101851 | coffee, cafe con leche, decaffeinated | 0 | - | 1 | - |
| 92101900 | coffee, latte | 1 | - | 1 | - |
| 92101901 | coffee, latte, -nfat | 1 | - | 0 | - |
| 92101903 | coffee, latte, with -n-dairy milk | 1 | - | 1 | 1 |
| 92101904 | coffee, latte, flavored | 1 | - | 1 | - |
| 92101905 | coffee, latte, -nfat, flavored | 1 | - | 0 | - |
| 92101906 | coffee, latte, with -n-dairy milk, flavored | 1 | - | 1 | 1 |
| 92101910 | coffee, latte, decaffeinated | 0 | - | 1 | - |
| 92101911 | coffee, latte, decaffeinated, -nfat | 0 | - | 0 | - |
| 92101913 | coffee, latte, decaffeinated, with -n-dairy milk | 0 | - | 1 | 1 |
| 92101917 | coffee, latte, decaffeinated, flavored | 0 | - | 1 | - |
| 92101918 | coffee, latte, decaffeinated, -nfat, flavored | 0 | - | 0 | - |
| 92101919 | coffee, latte, decaffeinated, with -n-dairy milk, flavored | 0 | - | 1 | 1 |
| 92101920 | blended coffee beverage, made with regular coffee, milk, and ice, sweetened | 1 | 1 | 1 | 1 |
| 92101921 | frozen coffee drink, -nfat | 1 | - | 0 | - |
| 92101923 | frozen coffee drink, with -n-dairy milk | 1 | - | 1 | 1 |
| 92101925 | blended coffee beverage, made with regular coffee, milk, and ice, sweetened, with whipped cream | 1 | 1 | 1 | 1 |
| 92101926 | frozen coffee drink, -nfat, with whipped cream | 1 | - | 0 | - |
| 92101928 | frozen coffee drink, with -n-dairy milk and whipped cream | 1 | - | 1 | 1 |
| 92101930 | blended coffee beverage, made with decaffeinated coffee, milk, and ice, sweetened | 0 | 1 | 1 | 1 |
| 92101930 | frozen coffee drink, decaffeinated | 0 | - | 1 | - |
| 92101931 | frozen coffee drink, decaffeinated, -nfat | 0 | - | 0 | - |
| 92101933 | frozen coffee drink, decaffeinated, with -n-dairy milk | 0 | - | 1 | 1 |
| 92101935 | blended coffee beverage, made with decaffeinated coffee, milk, and ice, sweetened, with whipped cream | 0 | 1 | 1 | 1 |
| 92101936 | frozen coffee drink, decaffeinated, -nfat, with whipped cream | 0 | - | 0 | - |
| 92101938 | frozen coffee drink, decaffeinated, with -n-dairy milk and whipped cream | 0 | - | 1 | 1 |
| 92101950 | coffee, mocha | 1 | - | 1 | - |
| 92101950 | coffee, cafe mocha | 1 | - | 1 | - |
| 92101955 | coffee, cafe mocha, -nfat | 1 | - | 0 | - |
| 92101960 | coffee, mocha, made with soy milk | 1 | - | 1 | 1 |
| 92101965 | coffee, cafe mocha, decaffeinated | 0 | - | 1 | - |
| 92101970 | coffee, cafe mocha, decaffeinated, -nfat | 0 | - | 0 | - |
| 92101975 | coffee, cafe mocha, decaffeinated, with -n-dairy milk | 0 | - | 1 | 1 |
| 92102000 | frozen mocha coffee drink | 1 | - | 1 | - |
| 92102010 | frozen mocha coffee drink, -nfat | 1 | - | 0 | - |
| 92102020 | frozen mocha coffee drink, with -n-dairy milk | 1 | - | 1 | 1 |
| 92102030 | frozen mocha coffee drink, with whipped cream | 1 | - | 1 | - |
| 92102040 | frozen mocha coffee drink, -nfat, with whipped cream | 1 | - | 0 | - |
| 92102050 | frozen mocha coffee drink, with -n-dairy milk and whipped cream | 1 | - | 1 | 1 |
| 92102060 | frozen mocha coffee drink, decaffeinated | 0 | - | 1 | - |
| 92102070 | frozen mocha coffee drink, decaffeinated, -nfat | 0 | - | 0 | - |
| 92102080 | frozen mocha coffee drink, decaffeinated, with -n-dairy milk | 0 | - | 1 | 1 |
| 92102090 | frozen mocha coffee drink, decaffeinated, with whipped cream | 0 | - | 1 | - |
| 92102100 | frozen mocha coffee drink, decaffeinated, -nfat, with whipped cream | 0 | - | 0 | - |
| 92102110 | frozen mocha coffee drink, decaffeinated, with -n-dairy milk and whipped cream | 0 | - | 1 | 1 |
| 92102400 | iced coffee, brewed | 1 | - | 1 | - |
| 92102401 | iced coffee, brewed, decaffeinated | 0 | - | 1 | - |
| 92102450 | iced coffee, pre-lightened and pre-sweetened | 1 | 1 | 1 | - |
| 92102500 | coffee, iced latte | 1 | - | 1 | - |
| 92102501 | coffee, iced latte, -nfat | 1 | - | 0 | - |
| 92102502 | coffee, iced latte, with -n-dairy milk | 1 | - | 1 | 1 |
| 92102503 | coffee, iced latte, flavored | 1 | - | 1 | - |
| 92102504 | coffee, iced latte, -nfat, flavored | 1 | - | 0 | - |
| 92102505 | coffee, iced latte, with -n-dairy milk, flavored | 1 | - | 1 | 1 |
| 92102510 | coffee, iced latte, decaffeinated | 0 | - | 1 | - |
| 92102511 | coffee, iced latte, decaffeinated, -nfat | 0 | - | 0 | - |
| 92102512 | coffee, iced latte, decaffeinated, with -n-dairy milk | 0 | - | 1 | 1 |
| 92102513 | coffee, iced latte, decaffeinated, flavored | 0 | - | 1 | - |
| 92102514 | coffee, iced latte, decaffeinated, -nfat, flavored | 0 | - | 0 | - |
| 92102515 | coffee, iced latte, decaffeinated, with -n-dairy milk, flavored | 0 | - | 1 | 1 |
| 92102600 | coffee, iced cafe mocha | 1 | - | 1 | - |
| 92102601 | coffee, iced cafe mocha, -nfat | 1 | - | 0 | - |
| 92102602 | coffee, iced cafe mocha, with -n-dairy milk | 1 | - | 1 | 1 |
| 92102610 | coffee, iced cafe mocha, decaffeinated | 0 | - | 1 | - |
| 92102611 | coffee, iced cafe mocha, decaffeinated, -nfat | 0 | - | 0 | - |
| 92102612 | coffee, iced cafe mocha, decaffeinated, with -n-dairy milk | 0 | - | 1 | 1 |
| 92103000 | coffee, made from powdered instant, regular | 1 | - | 1 | - |
| 92103000 | coffee, instant, reconstituted | 1 | - | 1 | - |
| 92104000 | coffee, made from powdered instant, 50% less caffeine | 1 | - | 1 | - |
| 92105000 | coffee, liquid concentrate | 1 | - | 1 | - |
| 92105010 | coffee, made from liquid concentrate | 1 | - | 1 | - |
| 92106000 | coffee, acid neutralized, from powdered instant | 1 | - | 1 | - |
| 92111000 | coffee, decaffeinated, ns as to ground or instant | 0 | - | 1 | - |
| 92111010 | coffee, decaffeinated, made from ground | 0 | - | 1 | - |
| 92114000 | coffee, decaffeinated, made from powdered instant | 0 | - | 1 | - |
| 92121000 | coffee, made from powdered instant mix, with whitener and sugar, instant | 1 | 1 | 1 | - |
| 92121001 | coffee, instant, decaffeinated, pre-lightened and pre-sweetened with sugar, reconsitituted | 0 | 1 | 1 | - |
| 92121010 | coffee, made from powdered instant mix, presweetened, - whitener | 1 | 1 | 1 | - |
| 92121020 | coffee and cocoa (mocha), made from powdered instant mix, with whitener, presweetened | 1 | 1 | 1 | - |
| 92121030 | coffee and cocoa (mocha), made from powdered instant mix, with whitener and low calorie sweetener | 1 | 1 | 1 | - |
| 92121040 | coffee, made from powdered instant mix, with whitener and low calorie sweetener | 1 | 1 | 1 | - |
| 92121041 | coffee, instant, decaffeinated, pre-lightened and pre-sweetened with low calorie sweetener, reconstituted | 0 | 1 | 1 | - |
| 92121050 | coffee and cocoa (mocha), made from powdered instant mix, with whitener and low calorie sweetener, decaffeinated | 0 | 1 | 1 | - |
| 92121050 | coffee, mocha, instant, decaffeinated, pre-lightened and pre-sweetened with low calorie sweetener, reconstituted | 0 | 1 | 1 | - |
| 92130000 | coffee, regular, presweetened with sugar, pre-lightened | 1 | 1 | 1 | - |
| 92130000 | coffee, pre-lightened and pre-sweetened with sugar | 1 | 1 | 1 | - |
| 92130001 | coffee, decaffeinated, presweetened with sugar, pre-lightened | 0 | 1 | 1 | - |
| 92130005 | coffee, regular, with low-calorie sweetener, pre-lightened | 1 | 1 | 1 | - |
| 92130005 | coffee, pre-lightened and pre-sweetened with low calorie sweetener | 1 | 1 | 1 | - |
| 92130006 | coffee, decaffeinated, with low-calorie sweetener, pre-lightened | 0 | 1 | 1 | - |
| 92130010 | coffee, pre-lightened, - sugar | 1 | 0 | 1 | - |
| 92130011 | coffee, decaffeinated, pre-lightened | 0 | - | 1 | - |
| 92130020 | coffee, presweetened with sugar | 1 | 1 | 1 | - |
| 92130021 | coffee, decaffeinated, pre-sweetened with sugar | 0 | 1 | 1 | - |
| 92130030 | coffee, pre-sweetened with low calorie sweetener | 1 | 1 | 1 | - |
| 92130031 | coffee, decaffeinated, pre-sweetened with low calorie sweetener | 0 | 1 | 1 | - |
| 92150000 | coffee and chicory, ns as to ground or instant | 1 | - | 1 | - |
| 92151000 | coffee and chicory, made from powdered instant | 1 | - | 1 | - |
| 92151100 | coffee, decaffeinated, and chicory, made from powdered instant | 0 | - | 1 | - |
| 92152000 | coffee and chicory, made from ground | 1 | - | 1 | - |
| 92152000 | coffee and chicory, brewed | 1 | - | 1 | - |
| 92152010 | coffee and chicory, brewed, decaffeinated | 0 | - | 1 | - |
| 92153000 | coffee, regular, with cereal | 1 | - | 1 | - |
| 92153100 | coffee, decaffeinated, with cereal | 0 | - | 1 | - |
| 92161000 | cappucci- | 1 | - | 1 | - |
| 92161000 | coffee, cappucci- | 1 | - | 1 | - |
| 92161001 | coffee, cappucci-, -nfat | 1 | - | 0 | - |
| 92161002 | coffee, cappucci-, with -n-dairy milk | 1 | - | 1 | 1 |
| 92161005 | cappucci-, sweetened | 1 | 1 | 1 | - |
| 92162000 | cappucci-, decaffeinated | 0 | - | 1 | - |
| 92162000 | coffee, cappucci-, decaffeinated | 0 | - | 1 | - |
| 92162001 | coffee, cappucci-, decaffeinated, -nfat | 0 | - | 0 | - |
| 92162002 | coffee, cappucci-, decaffeinated, with -n-dairy milk | 0 | - | 1 | 1 |
| 92162005 | cappucci-, decaffeinated, sweetened | 0 | 1 | 1 | - |
| 92171000 | coffee, bottled/canned | 1 | - | 1 | - |
| 92171010 | coffee, bottled/canned, light | 1 | - | 1 | - |
| 92191000 | coffee, dry instant powder, ns as to regular or decaffeinated | 0 | - | 1 | - |
| 92191100 | coffee, dry instant powder, regular | 1 | - | 1 | - |
| 92191105 | coffee, instant, 50% less caffeine, -t reconstituted | 1 | - | 1 | - |
| 92191200 | coffee, dry instant powder, decaffeinated | 0 | - | 1 | - |
| 92191200 | coffee, instant, decaffeinated, -t reconstituted | 0 | - | 1 | - |
| 92191250 | coffee, dry, acid neutralized | 1 | - | 1 | - |
| 92191400 | coffee, instant, pre-sweetened with sugar, -t reconstituted | 1 | 1 | 1 | - |
| 92191500 | coffee and chicory, dry instant powder | 1 | - | 1 | - |
| 92191520 | coffee, decaffeinated, and chicory, dry instant powder | 0 | - | 1 | - |
| 92192000 | coffee and cocoa (mocha) mix, dry instant powder with whitener, presweetened | 1 | 1 | 1 | - |
| 92192000 | coffee, mocha, instant, pre-lightened and pre-sweetened with sugar, -t reconstituted | 1 | 1 | 1 | - |
| 92192030 | coffee and cocoa (mocha) mix, dry instant powder with whitener and low calorie sweetener | 1 | 1 | 1 | - |
| 92192030 | coffee, mocha, instant, pre-lightened and pre-sweetened with low calorie sweetener, -t reconstituted | 1 | 1 | 1 | - |
| 92192040 | coffee and cocoa (mocha) mix, dry instant powder, with whitener and low calorie sweetener, decaffeinated | 0 | 1 | 1 | - |
| 92192040 | coffee, mocha, instant, decaffeinated, pre-lightened and pre-sweetend with low calorie sweetener, -t reconstituted | 0 | 1 | 1 | - |
| 92193000 | coffee, dry instant powder, with whitener and sugar | 1 | 1 | 1 | - |
| 92193005 | coffee, instant, decaffeinated, pre-lightened and pre-sweetened with sugar, -t reconstituted | 0 | 1 | 1 | - |
| 92193020 | coffee, dry instant powder, with whitener and low calorie sweetener | 1 | 1 | 1 | - |
| 92193025 | coffee, instant, decaffeinated, pre-lightened and pre-sweetened with low calorie sweetener, -t reconstituted | 0 | 1 | 1 | - |

Note: “0”means no sugar/caffeine/fat/milk; “1” means containing sugar/caffeine/fat/milk; “- ”means unable to confirm no classification.