DATA ALERT—WWEIA, NHANES 2007-2008 and 2009-2010
May 2013

The data files for WWEIA, NHANES 2007-2008 and 2009-2010 and FNDDS 4.1 and 5.0 have been corrected as of May 2013 on the NHANES and FSRG web sites, respectively to correct the error in the USDA National Nutrient Database for Standard Reference, Release 25 for Energy Drink, Monster for caffeine. If you previously downloaded the data files, instructions to make corrections are provided below. The updated dietary files require no further correction.

The correction is detailed as follows:
Agricultural Research Service, Nutrient Data Laboratory, December 14, 2012
http://www.ars.usda.gov/Services/docs.htm?docid=22984).

Errata for SR25 - December 14, 2012

Since the release of SR25, one error has been identified in NDB No. 14627, Energy Drink, Monster

Nutrient No.	Nutrient Description	Revised value*	Original SR25 value*
262	Caffeine	36	0

* milligrams per 100 grams

This correction applies to this beverage item reported in What We Eat in America, NHANES for both the 2007-2008 and 2009-2010 data sets and the corresponding Food and Nutrient Database for Dietary Studies (FNDDS) 4.1 and 5.0.

If you have already downloaded the data files, instructions are provided below for making corrections to the files. Also provided are details on the number of reports of this beverage by survey cycle:

I. Corrections to Be Made to WWEIA, NHANES Data Files
II. SAS Program Example for Correction of the Individual Foods Files and the Total Nutrient Files
III. Corrected Values for 2007-2008 and 2009-2010 Data Files
IV. Corrections to Be Made to FNDDS 4.1 and 5.0 Data Files
V. Corrections Made to What's in The Foods You Eat *Search Tool* 4.1 and 5.0

I. Corrections to Be Made to WWEIA, NHANES Data Files

Individual Food Files:
In the 2007-2008 release there are 30 reports of Monster Energy Drink from day 1 (DR1IFDCD = 92650200) and 15 reports from day 2. In the 2009-2010 release there are 28 reports from day 1 and 14 reports from day 2. The corrected caffeine for each of these reports should be calculated as the following and the result rounded to an integer:

For each report of DR1IFDCD = 92650200, DR1ICAFF = DR1IGRMS * 0.36 where

DR1IFDCD is the USDA food code
DR1ICAFF is the amount of caffeine per report in milligrams
DR1IGRMS is the amount of the food or beverage in grams
and 0.36 reflects the amount of caffeine provided by each gram of the beverage consumed.

The '1' in variable names refers to day 1 records in the Individual Foods Files DR1IFF_E (2007-2008) and DR1IFF_F (2009-2010). For the correction of day 2 records in the files DR2IFF_E and DR2IFF_F substitute '2' for '1' for the day 2 variable names.

Total Nutrients Files:
The total caffeine intake variables DR1TCAFF and DR2TCAFF in the Total Nutrient Files DR1TOT_E, DR2TOT_E, (2007-2008); DR1TOT_F, and DR2TOT_F (2009-2010) should also be corrected to reflect the changes made to the Individual Foods Files. This may be done by summing the caffeine contributed by all items in the Individual Foods Files including the new values for each individual (identified through the identifier SEQN) and assigning the result to the total daily caffeine variables in the appropriate associated Total Nutrient File.

II. SAS Program Example for Correction of the Individual Foods Files and the Total Nutrient Files

The following is a SAS program that reads the original 2009-2010 day 1 Individual Foods and Total Nutrient Files in SAS export form, corrects the affected records, and places the results in standard SAS files. Change path, file, and variable names as appropriate for the remaining datasets. *Do not use this program with files that have already been updated.*

```
*************************************************************
*                                                           *
* iff_tot_correction_dr1_0910.sas                           *
*                                                           *
* Creates SAS files from the original 2009-2010 day 1       *
* individual foods and total nutrient export files after    *
* applying the correction to reports of Monster Energy Drink *
* (926-50200).                                              *
*                                                           *
*************************************************************;

/* Original SAS export files as downloaded */
libname orig1 xport 'e:\nhanes\nhanes10\dietary\dr1iff_f.xpt';
libname orig2 xport 'e:\nhanes\nhanes10\dietary\dr1tot_f.xpt';

/* directory for the new files */
libname dir1 'e:\nhanes\nhanes10\dietary';

**********************************
*                                *
* Individual foods file          *
*                                *
**********************************;

proc sort data = orig1.dr1iff_f out = orig_iff;
  by seqn dr1iline;

data update_iff (keep = seqn dr1iline dr1icaff);
  set orig_iff (where = (dr1ifdcd eq 92650200));

dr1icaff = round(dr1igrms * 36 / 100);

data dir1.dr1iff_f;
  update orig_iff update_iff;
  by seqn dr1iline;

run;
```

```
***********************************
*                                 *
* Total nutrient file             *
*                                 *
* Cumulate the additional         *
* dr1icaff contributed by the     *
* Monster reports for each        *
* affected intake and add to the  *
* original daily totals.          *
*                                 *
***********************************;

proc means noprint data = update_iff;
  by seqn;
  var dr1icaff;
  output out = update_tot sum = add_dr1tcaff;

proc sql;
  create table new_tot as
    select totnut.*, add_dr1tcaff
      from orig2.dr1tot_f totnut left join update_tot
        on (totnut.seqn eq update_tot.seqn)
          order by totnut.seqn;
quit;

data dir1.dr1tot_f (drop = add_dr1tcaff);
  set new_tot;

if (add_dr1tcaff ne .)  then
  dr1tcaff = dr1tcaff + add_dr1tcaff;

run;
```

III. Corrected Values for 2007-2008 and 2009-2010 Data Files

In the 2007-2008 release there are 30 day 1 reports of Monster Energy Drink and 15 day 2 reports among the records from complete intakes in the Individual Foods Files. In the 2009-2010 release there are 28 day 1 reports and 14 day 2 reports. The following lists provide the corrected values for each record in both the Individual Foods Files and the Total Nutrient Files.

2007-2008 Day 1 Individual Foods File DR1IFF_E (30 reports)

SEQN	DR1ILINE	DR1ICAFF
41494	10	173
42203	12	86
42641	7	173
43356	4	189
44721	17	70
45290	12	54
45307	10	70
46038	9	86
46038	10	86
46040	17	16
46300	7	189
46300	13	189
46538	20	189
46645	5	194
46797	7	173
46839	10	86
47653	18	626
47751	1	259
48073	1	259
48310	6	130
48387	2	173
49229	1	173
49369	13	157
49501	11	259
50151	4	216
50892	6	173
51059	1	130
51145	5	130
51336	5	173
51336	6	173

2007-2008 Day 2 Individual Foods File DR2IFF_E (15 reports)

SEQN	DR2ILINE	DR2ICAFF
42778	7	173
43973	2	157
45359	4	189
45946	2	173
45946	4	173
46038	9	157
46959	8	173
48007	2	173
48204	7	173
48397	8	173
49229	2	173
49251	16	90
49501	9	90
51059	1	173
51243	5	90

2009-2010 Day 1 Individual Foods File
DR1IFF_F (28 reports)

SEQN	DR1ILINE	DR1ICAFF
52223	3	157
52336	8	173
52846	8	157
53045	1	173
53045	3	173
53604	8	157
53976	13	113
54299	8	389
54319	5	173
54468	11	259
54680	7	173
54789	3	130
54790	11	216
55214	5	173
55533	1	259
56288	5	221
56414	27	130
56944	17	243
58134	1	216
58381	2	173
58584	2	259
58811	7	157
60016	1	259
60780	19	173
61196	4	313
61351	9	151
61426	1	16
61738	14	259

2009-2010 Day 2 Individual Foods File
DR2IFF_F (14 reports)

SEQN	DR2ILINE	DR2ICAFF
51964	18	130
52152	7	90
52336	12	227
54319	6	173
54790	17	130
55251	3	76
55338	6	90
55438	12	130
55647	20	173
56096	1	173
58811	3	259
59461	1	173
59598	8	173
61420	2	157

2007-2008 Day 1 Total Nutrient File
DR1TOT_E (27 respondents)

SEQN	DR1ICAFF
41494	226
42203	123
42641	202
43356	391
44721	118
45290	110
45307	79
46038	436
46040	160
46300	532
46538	247
46645	384
46797	216
46839	353
47653	1927
47751	373
48073	573
48310	238
48387	199
49229	407
49369	157
49501	914
50151	267
50892	357
51059	271
51145	668
51336	346

2007-2008 Day 2 Total Nutrient File
DR2TOT_E (14 respondents)

SEQN	DR2TCAFF
42778	173
43973	329
45359	189
45946	346
46038	364
46959	174
48007	202
48204	410
48397	256
49229	329
49251	145
49501	412
51059	276
51243	90

2009-2010 Day 1 Total Nutrient File DR1TOT_F (27 respondents)

SEQN	DR1TCAFF
52223	186
52336	226
52846	245
53045	457
53604	291
53976	125
54299	1097
54319	349
54468	401
54680	263
54789	305
54790	453
55214	232
55533	528
56288	545
56414	293
56944	668
58134	455
58381	173
58584	439
58811	347
60016	348
60780	252
61196	878
61351	151
61426	21
61738	460

2009-2010 Day 2 Total Nutrient File DR2TOT_F (14 respondents)

SEQN	DR2TCAFF
51964	270
52152	271
52336	284
54319	544
54790	224
55251	152
55338	129
55438	134
55647	422
56096	292
58811	288
59461	175
59598	251
61420	587

IV. Corrections to Be Made to FNDDS 4.1 and 5.0

In both FNDDS 4.1 and 5.0, the FNDDS food code 92650200 Monster Energy Drink is directly matched to NDB No. 14627 Energy Drink, Monster in FNDDSSRLinks. The caffeine (nutrient code 262) value for food code 92650200 Monster Energy Drink contained in the FNDDSNutVal file should be changed from 0 to 36 in both FNDDS 4.1 and 5.0. The corrected entries in the FNDDSNutVal files should appear as below:

FNDDS 4.1 – FNDDSNutVal File

Food code	Nutrient code	Start date	End date	Nutrient value
92650200	262	1/1/2007	12/31/2008	36

FNDDS 5.0 – FNDDSNutVal File

Food code	Nutrient code	Start date	End date	Nutrient value
92650200	262	1/1/2009	12/31/2010	36

V. Corrections Made to What's in The Foods You Eat *Search Tool* 4.1 and 5.0

The What's in The Foods You Eat *Search Tool* 4.1 and 5.0 have been corrected on the FSRG Web site.