**Differences in the Prevalence of Obesity, Smoking and Alcohol in the United States Nationwide Inpatient Sample and the Behavioral Risk Factor Surveillance System**

**S1. SAS code and definition of data elements used to estimate the prevalence.**

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| **SAS code for Nationwide Inpatient Sample (NIS)** (1,2) | | |
| proc surveyfreq data = nis\_2011;  tables agewt\**VARIABLE*;  weight discwt;  strata nis\_stratum;  cluster hospid;  run; | | |
| **SAS code for Behavioral Risk Factor Surveillance System (BRFSS)** (3,4) | | |
| proc surveyfreq data = brfss\_2011;  tables *VARIABLE*;  weight \_llcpwt;  strata \_ststr;  cluster \_psu;  run; | | |
| **Definition of Data elements** | | |
| **Type of data element** | **Variable** | **Coding notes** |
| **NIS 2011** | | |
| Weight | discwt | Discharge weight on Core file and Hospital Weights file for NIS. |
| Stratifier | nis\_stratum | Stratum used to sample hospitals, based on geographic region, control, location/teaching status, and bed size. |
| Cluster | hospid | HCUP hospital number. |
| Domain | agewt | Age domain created to restrict the NIS dataset for adults |
| **BRFSS 2011** | | |
| Weight | \_llcpwt | Final weight assigned to each respondent: Land-line and cell-phone data (Raking derived weight) |
| Stratifier | \_ststr | Sample Design Stratification Variable. |
| Cluster | \_psu | Primary sampling unit (Equal to Annual Sequence Number) |

**References:**

(1) Agency for Healthcare Research and Quality. 2011 NIS SAS Load Programs - Core File. 2014; Available at: [http://www.hcup-us.ahrq.gov/db/nation/nis/tools/pgms/SASLoad\_NIS\_2011\_Core.SAS](http://www.hcup-us.ahrq.gov/db/nation/nis/tools/pgms/SASLoad_NIS_2011_Core.SAS" \t "_blank). Accessed June/19, 2014.

(2) Agency for Healthcare Research and Quality. 2011 NIS SAS Load Programs - Hospital Weights File. 2014; Available at: [http://www.hcup-us.ahrq.gov/db/nation/nis/tools/pgms/SASLoad\_NIS\_2011\_Hospital.SAS](http://www.hcup-us.ahrq.gov/db/nation/nis/tools/pgms/SASLoad_NIS_2011_Hospital.SAS" \t "_blank). Accessed June/19, 2014.

(3) Centers for Disease Control and Prevention (CDC). 2011 BRFSS SAS Format Library Program. 2014; Available at: [http://www.cdc.gov/brfss/annual\_data/2011/Format11.sas](http://www.cdc.gov/brfss/annual_data/2011/Format11.sas" \t "_blank). Accessed June/19, 2014.

(4) Centers for Disease Control and Prevention (CDC). 2011 BRFSS SAS Load Program. 2014; Available at: [http://www.cdc.gov/brfss/annual\_data/2011/SASOUT11\_LLCP.SAS](http://www.cdc.gov/brfss/annual_data/2011/SASOUT11_LLCP.SAS" \t "_blank). Accessed June/19, 2014.