

# Gulf States Population Survey

## Data User Guide

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## 1. INTRODUCTION

The Gulf States Population Survey (GSPS) was a 12-month (December 15, 2010 – December 16, 2011) survey of residents of four Gulf Coast states (Alabama, Florida, Louisiana, Mississippi). It was initiated to provide information about the mental health status of the population in coastal areas most directly affected by the April 20, 2010 *Deepwater Horizon* oil spill. The information is intended to be used as part of efforts to assess the need for mental and behavioral health services in the region and to inform the provision of those services. The Centers for Disease Control and Prevention's (CDC) Division of Behavioral Surveillance (DBS) conducted the GSPS in collaboration with the Substance Abuse and Mental Health Services Administration (SAMHSA) and mental health and public health officials from the four Gulf Coast states where the survey was conducted.

This GSPS Data User's Guide is intended to assist individuals who will use the GSPS dataset. The Guide includes information on the background of the GSPS, survey protocol and methodology, and data collection and management.

### 1.1 GUIDELINES FOR CITATION OF DATA SOURCE

Any published material derived from the GSPS data should acknowledge CDC as the original source. The suggested citation to appear at the bottom of all tables and graphs is as follows:

Data Source: CDC, Gulf States Population Survey, 2010 – 2011.

In a bibliography, the suggested citation should read:

Centers for Disease Control and Prevention (CDC). *Gulf States Population Survey Data*. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2010 – 2011.

The published material should also include a disclaimer that credits any analyses, interpretations, or conclusions reached to the author (recipient of the data file) and not to CDC, which is responsible only for the initial data. Users who wish to publish a technical description of the data should make a reasonable effort to insure that the description is consistent with that published by CDC.

CDC questionnaires are in the public domain and no permission is required to use them. However, CDC should be cited as the author of the questions. The suggested citation is as follows:

Centers for Disease Control and Prevention (CDC). *Gulf States Population Survey Questionnaire*. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2010 – 2011.

When identifying keywords in your work, please include the following entries.

- Centers for Disease Control and Prevention (CDC)
- Behavioral Risk Factor Surveillance System (BRFSS)
- Gulf States Population Survey (GSPS)

## 2. GSPS BACKGROUND AND TIMELINE

Following the April 20, 2010, *Deepwater Horizon* oil spill in the Gulf of Mexico, Gulf Coast State mental and behavioral health providers indicated that some in the affected population were exhibiting early signs of developing substance abuse and dependence, psychiatric disorders, suicidal risk, and domestic violence. At the time of the spill existing state and federal public health surveillance systems were insufficient to provide a full understanding of the overall mental and behavioral health impact of the spill.

In September, 2010, as part of the federal response to the oil spill, CDC entered into an intra-agency agreement with SAMHSA to conduct a telephone survey to monitor the mental and behavioral health status of the coastal population most affected by the spill. Using the existing capacity and infrastructure of the Behavioral Risk Factor Surveillance System (BRFSS) [1], CDC’s Division of Behavioral Surveillance (DBS) designed and conducted the Gulf States Population Survey (GSPS) in four Gulf States: Alabama, Florida, Mississippi and Louisiana. Adults 18 years or older were included in the GSPS sample population if they resided in those four states and in one of 25<sup>†</sup> coastal counties<sup>‡</sup> that lie within 32 miles of areas closed to fishing following the oil spill.

The objective of the GSPS was to assess the need for mental and behavioral health services in the region and to inform the provision of those services.

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<sup>†</sup> Includes Hancock, Harrison and Jackson Counties in Mississippi, Mobile and Baldwin Counties in Alabama, Escambia, Santa Rosa, Walton and Okaloosa Counties in Florida and Jefferson, St. Tammany, Tangipahoa, Lafourche, Iberia, Vermilion, St. Mary, St. Bernard, Jefferson Davis, Assumption, Plaquemines, Calcasieu, Cameron, Terrebonne, St. Charles, and Orleans Parishes in Louisiana.

<sup>‡</sup> In Louisiana, counties are called “Parishes.” In this Guide the word “County” is used.

In October, 2010, the Federal Office of Management and Budget (OMB) granted emergency clearance to CDC to conduct the GSPS through April, 2011. CDC awarded a contract to a data collection vendor in November, 2010, and data collection began on December 15, 2010. The vendor conducted the interviews in accordance with the survey protocol and provided monthly data files to CDC.

Following the initial GSPS data collection period, CDC made changes in the survey protocol. In April, 2011, the OMB approved a new Information Collection Request (OMB Control #0920-0885) to allow continuation of the GSPS after the end of the emergency clearance. The new request allowed the following modifications to the survey which were implemented May, 2011: (1) addition of a Spanish version; (2) modification of one particular question regarding history of mental health medication use that had proved difficult for respondents to understand; (3) extension of the sample area to the entirety of the four States, to allow comparison of results between Gulf Coast counties and noncoastal counties; and (4) addition of cell phones to the sampling frame, which had included only landline phones.

Data collection for the GSPS ended on December 16, 2011 with 38,361 completed interviews consisting of enough information for weighting purposes.

- SAMHSA also collected data from the four Gulf States in a concurrent investigation of mental health status and service needs in the region using the annual National Survey on Drug Use and Health (NSDUH). The results of data collection efforts conducted by SAMHSA and CDC are available in the report titled *Behavioral Health in the Gulf Coast Region Following the Deepwater Horizon Oil Spill* and can be accessed electronically at [www.samhsa.gov/data](http://www.samhsa.gov/data).

### **3. SURVEY PROTOCOL**

The GSPS used the following survey protocol:

- All interviews were conducted using a single computer assisted telephone interview (CATI) questionnaire which interviewers asked without modification.
- Systematic, unobtrusive electronic monitoring was conducted as a routine and integral part of monthly survey quality control procedures for all interviewers.
- An eligible household in the GSPS was a housing unit that had a separate entrance, where occupants ate separately from other persons on the property, and that was occupied by its members as their principal or secondary place of residence. Non-eligible households were (1) vacation homes not occupied by household members for more than 30 days per year, (2) group homes, and (3) institutions.

- Eligible household members included all related adults (aged 18 years or older), unrelated adults, roomers, and domestic workers who considered the household their home, even though they may not be home at the time of the call. Household members did not include adult family members who were currently living elsewhere.
- Proxy interviews were not conducted by the GSPS. Individual respondents were randomly selected from all adults aged 18 years or older living in a household.
- An interview was considered complete if respondents completed all survey questions.
- Verification callbacks were conducted for 10% of all interviews.
- With the exception of verbally abusive respondents, eligible persons who initially refused to be interviewed were contacted at least one additional time and given the opportunity to be interviewed.
- Call attempts on most sample pieces were completed during the calendar month of the sample selection. A few exceptions were made when delayed sample production moved some interviews to the first few days of the next sample month. Sample months began on the 15<sup>th</sup> of each month and ended on the 14<sup>th</sup> day of the following month.

## **4. SURVEY QUESTIONNAIRE**

### **4.1 SURVEY TOPICS**

GSPS questions concerned a range of health topics: life satisfaction and emotional support; quality of life; health status and chronic medical conditions; depression and anxiety; health care access; and economic and financial conditions. The survey was available in English (December 2010 – December 2011) and Spanish (May 2011 – December 2011). Landline and cell phone surveys were identical other than the questions used in the screeners. English and Spanish versions of the GSPS landline and cell phone screeners and questionnaires are provided in Appendix A.

### **4.2 SURVEY DEVELOPMENT**

CDC developed the survey questionnaire in partnerships with SAMHSA, subject matter experts within CDC, and public health and mental health departments from the four Gulf Coast states. Many of the GSPS questions were taken from the 2010 BRFSS questionnaire [2]. Questions measuring depression and anxiety were taken from the 8-item Patient Health Questionnaire (PHQ-8) [3] and the 7-item General Anxiety Disorder (GAD-7) [3] questionnaire. Sixteen GSPS questions were specific to the *Deepwater*

*Horizon* disaster and measured contact with oil from the spill and changes in household income associated with the spill.

### **4.3 POSSIBLE SOURCES OF COMPARISON DATA**

In some cases, comparisons between data from the GSPS with other surveys can help to provide context for the GSPS results, and CDC designed the GSPS to facilitate such comparisons. The main potential source of comparison data is the BRFSS. All four states conducted the core BRFSS survey annually before the oil spill. In addition, some of the states have used BRFSS optional modules. For example, Louisiana and Mississippi administered the BRFSS *Anxiety and Depression Modules* in 2008 and 2010, and in 2006 Louisiana used the BRFSS *Intimate Partner Violence Module*. In some cases, comparisons also might be made to other surveys, although dissimilarities in methods and sampling may limit direct comparisons and few surveys measure mental health at the county-level (Appendix B)

## **5. SURVEY METHODOLOGY**

The general methods used to develop and deploy the GSPS were based on previously tested methods used for the BRFSS. Detailed information on the BRFSS methodology is available on the BRFSS website at <http://www.cdc.gov/BRFSS/>.

### **5.1 SURVEY DESIGN**

The GSPS utilized a complex survey design, which included stratification and clustering. GSPS was designed to sample the coastal populations of the four states directly exposed to the *Deepwater Horizon* oil spill (Louisiana, Mississippi, Alabama, and Florida). The 2010 coastal population consisted of 3.3 million persons, 1.9 million in Louisiana (57% of the coastal population), 0.4 million in Mississippi (11%), 0.4 million in Alabama (11%), and 0.7 million in Florida (21%). The largest cities included in the coastal sample were New Orleans, Louisiana and Mobile, Alabama.

Initially, people were included in the coastal population sample if they resided in one of 25 coastal counties that lie within 32 miles of areas closed to fishing following the oil spill. Beginning in May 2011, CDC added counties in the four States that were further from the gulf to the survey sample, in order to allow comparison of results from the Gulf Coast counties to noncoastal counties. The noncoastal counties include all counties within the four States that were not part of the 25 coastal county areas. Also beginning in May 2011, CDC added a Spanish version of the questionnaire (Spanish was chosen as the second language of administration because Census population data indicate that the coastal areas have higher percentages of Hispanic/Latino populations than any other non-English-speaking residents) and also added cell phone respondents to the sample. Inclusion of cell phone in the frame was deemed especially important for purposes of

coverage and validity because of the rising proportion of households in the United States that no longer use a landline phone.

In all, 38,361 interviews were conducted (32,813 on landlines and 5,548 on cell phones); 15,028 from Louisiana’s coastal parishes, 3,209 from Mississippi coastal counties, 4,533 from Alabama, and 5,177 from Florida and 10,414 in noncoastal areas in all four states. A total of 122 surveys were conducted in Spanish; all others were conducted in English. Dataset users may identify language of interview by noting the variable LANG1 in the dataset.

The following table summarizes the number of completed interviews by phone type and residence location.

**Table 1: Number of Completed Surveys by Telephone Type and Location: Gulf States Population Survey (GSPS), December 2010 – December 2011**

Type of Telephone	Total number of surveys completed	Number completed in coastal counties	Number completed in noncoastal counties
Landline	32,813	24,468	8,345
Cell Phone	5,548	3,479	2,069
Total	38,361	27,947	10,414

## 5.2 DISPROPORTIONATE STRATIFIED SAMPLE (DSS)

Like the BRFSS, the GSPS used a disproportionate stratified sample (DSS) random-digit-dialing methodology for landline phones. DSS design increases efficiency of random-digit dialing phone surveys by dividing listed phone numbers into those expected to belong mostly to households (high-density) and those expected to contain a smaller proportion of household numbers (medium-density). Available phone numbers in each county were divided into blocks of 100 (e.g., 404-555-1100 through 404-555-1199 would comprise a block). Within each block high density was defined as all numbers containing a known attribution to a household. Medium density included all remaining numbers in the block (i.e., those not in the published household listing). High and medium density numbers were sampled at a 1.5:1 ratio (high to medium) to obtain a probability sample of all households with landline telephones in all parts of the coastal area. Cell phone numbers were not subject to DSS because data on their location is less specific and less reliable than that associated with landline phone numbers.

## 5.3 DATA WEIGHTING

Data weighting for the GSPS used standard procedures in place for the BRFSS. Following data collection, the GSPS data were cleaned of errors and subjected to weighting procedures. Landline and cell phone datasets were merged, and data were weighted to adjusted U.S. census population estimates by county, using age, race, sex, geographic location, and phone type (landline or cell phone). Data were weighted using county level characteristics (resulting in the variable \_GSPSWT).

Data weighting is conducted to reduce bias in the sample and: 1) correct for differences in the probability of selection due to nonresponse and non-coverage; 2) adjust for differences in sex, age, race/ethnicity between the sample and the entire population, and; 3) permit generalization of survey findings to the population.

In brief, GSPS used a two-step weighting process, as in BRFSS: 1) design weighting to account for variations within households, and; 2) raking (also known as iterative proportional fitting) to match known characteristics of the population to those in the sample. Design factors included the number of residential telephones in a household, the number of adults in a household, and geographic or density stratification. The GSPS used raking procedures for weighting to population totals. The following variables were used in the raking weighting process:

- Age
- Sex
- Race
- Marital Status
- Locational strata
- Phone source/ownership

Table 2 describes the data weighting variables included in the GSPS dataset.

**Table 2: Data Weighting Variables: Gulf States Population Survey (GSPS), December 2010 – December 2011**

Variable	Description
_GEOSTR	The geographic stratification variable. This identifies the location of the interview for weighting purposes.
_STSTR	The strata variable which should be used to account for strata when analyzing data in complex sampling statistical procedures.
_DENSTR2	The variable indicating density stratum for landline respondents.
_GSPSWT	Final adjusted weight assigned to each respondent at the county

Variable	Description
	level. In some cases counties were combined before weighting due to lower number of respondents. These counties were: Cameron and Jefferson in Louisiana, Plaquemines and St. Bernard in Louisiana, Assumption and St. Mary in Louisiana and Hancock and Harrison in Mississippi.
_PSU	The PSU is used as a cluster and is unique within each of the states. It is a proxy for the phone number. Since landline phone numbers may have more than one adult, the household phone is the cluster. _PSU should be used as the cluster variable in complex survey analyses of the data.

## 6. DATA COLLECTION AND MANAGEMENT

### 6.1 TELEPHONE SAMPLE

The telephone numbers for the GSPS were obtained from a marketing research vendor and were forwarded to the data collection vendor by CDC on a monthly basis.

### 6.2 HOUSEHOLD AND RESPONDENT SELECTION

The Computer Assisted Telephone Interview (CATI) was used to conduct the survey. Once eligible household contact was made, the CATI system randomly selected one adult in the household to be interviewed. CATI screener text pertinent to landline and cell phone recruitment is in Appendix A. Table 3 summarizes GSPS eligibility criteria.

**Table 3: Eligibility Criteria: Gulf States Population Survey (GSPS), December 2010-December 2011**

Household is eligible	Eligible households are within the four state area of the sample and are private residences with at least one adult $\geq 18$ years of age who lives within the residence at least 4 months of the year.
Respondent is a member of the household	Household member includes all related adults, unrelated adults, roomers, and domestic workers who consider the household their home <b>AND</b> are $\geq 18$ years of age, even though they may not be home at the time of the call.  Does not include adult family members who are currently living elsewhere, such as at college, group home, a military base, a nursing home, a correctional facility, and so forth.
Respondent is 18 years of age and older	The first question on the questionnaire regarding household selection asks how many members in the household are 18

	<p>years of age or older:</p> <p>If the answer is <i>one</i> and the person answering the telephone is that adult, the interviewer proceeds to the first question on the questionnaire.</p> <p>If the response indicates that there are five or more adults, the interviewer should probe to ensure that they are all 18 years of age or older, that all are currently living in the household, and that the household is not a group home or institution.</p> <p>The interviewer then asks the person answering the telephone the number of adult male members in the household, then asks the number of adult female members in the household. Once this information is entered into CATI, the system will randomly select a respondent.</p>
<p>How many are men, and how many are women</p>	<p>The next question asks how many of the adults are men and how many are women. The interviewer enters the appropriate answers.</p> <p>If there is only one adult in the household, the interviewer enters "1" and leaves the other box blank.</p>

### 6.3 CONFIDENTIALITY

The GSPS maintained respondent confidentiality by adhering to the following criteria:

- No respondent identifiers were retained in the interview records.
- Respondent data were combined; reports cite only aggregate figures.
- No interviews were conducted by interviewers who knew the respondents. Interviewers who inadvertently reached persons known to them rescheduled interviews as appointments, which were reassigned to another interviewer.
- Interviewers were trained using standard protocols for the data collection vendor (i.e. BRFSS standards).
- Interviewer monitoring did not violate respondent confidentiality.
- Specific protocols for sensitive questions were adhered to by interview staff including the provision of toll free numbers to suicide and domestic violence prevention hotlines if respondents needed special assistance.

- The GSPS dataset is devoid of all identifying information. Data elements in the file do not include phone numbers, sequence numbers or any personally identifiable information.

#### **6.4 QUALITY ASSURANCE**

The GSPS data collection vendor conducted interviews and sent monthly data files to CDC. Interviews were monitored by the vendor's supervisory staff. Verification callbacks were conducted for approximately 10% of completed interviews. Data were quality checked at CDC by reviewing the vendor's frequency reports, skip patterns, and so forth.

#### **6.5 DISPOSITION CODES**

Appendix C presents a complete list of disposition codes that were used for the GSPS and their frequency and percent as a proportion of all phone numbers in the total sample (n=1,092,963). Disposition codes were used to categorize respondents and sample numbers into groups by which eligibility was determined. If the respondents completed all survey questions the interviews were considered **Complete**. **Partial Complete** interviews contained substantive responses to sex and at least three other demographic questions (age, race, Hispanic origin, marital status, employment status, county code, and "Do you have more than one telephone number in your household?"). Responses could not include "Don't know/Not sure". GSPS interviewers made a second attempt to complete partial interviews and made up to 15 subsequent call attempts. Data from 38,361 **Complete** and **Partially Completed** interviews are in the GSPS database.

As in all random-digit-dialing surveys, a proportion of the sample did not provide **Complete** or **Partial Complete** data and the non-respondent component of the population must be considered when interpreting survey data. In all, 710,417 phone numbers provided by the vendor were not eligible because they no longer existed, belonged to a business, were dedicated FAX lines, etc. **Complete** or **Partial Complete** interviews could not be obtained from 331,804 potentially eligible numbers. In some of these a person answered the phone and the household was eligible for interview but the interview was not conducted or not completed. In the remainder the selected number provided contact but it was not possible to determine if this was an eligible household.

#### **6.6 CALCULATIONS OF CATEGORIES OF ELIGIBILITY AND STATUS**

The GSPS disposition codes (Appendix C) were used to categorize respondents and sample numbers into groups by which eligibility was determined. Table 4 illustrates how disposition codes were used in the GSPS to determine completed interviews, contacts with eligible respondents, contacts with persons of unknown eligibility, contact with ineligible households, contact with households, break offs and terminations, and ineligible phone numbers.

**Table 4: Categories of Eligibility and Status by Final Disposition Codes: Gulf States Population Survey (GSPS), December 2010-December 2011**

<b>Disposition Code(s)</b>	<b>Symbol for Equation</b>	<b>Category of Eligibility</b>	<b>Comment</b>
110, 120	COIN	Complete	Completed or partial completed interview
110, 120, 220, 210, 230, 240, 250, 260, 270, 280	ELIG	Eligible	Contact is made and enough information obtained to ascertain eligibility of household and/or respondent
110, 120, Any 200 level, 305, 310, 315, 370, 335, 340, 405, 437	HH	Households/ Likely households	Household or personal cell phone or likely to be household based on available information
210, 220, 230, 240, 250, 260, 270, 280	ELIGHH	Known household/personal cell phone, not interviewed	Contact is made and enough information is obtained to ascertain eligibility of household and/or respondent but interview is not completed.
310, 315, 320, 325, 332, 330, 345, 350, 360, 370	UNKELIG	Unknown eligibility	No contact is made or contact is made but not enough information is obtained to determine eligibility
210, 220, 270, 280	TERE	Break offs, terminations and refusals	Contact is made and eligibility established, but the interview breaks off prior to completing half of the demographic section

355, 365, Any 400 level	INELIG	Ineligible	Information from individuals or from technological devices is available to ascertain that the phone number, household and/or respondent is not eligible
ELIG/ (ELIG+INELI G)	“e”	Eligibility factor	Estimated proportion of cases of unknown eligibility that are likely eligible

## 6.7 SURVEY PARTICIPATION RATES

Using the categories of disposition codes in Table 4, rates of cooperation, response, refusal, and interview completion were calculated for the GSPS (Appendix D). The GSPS used formulae adapted from the American Association of Public Opinion Research (AAPOR) [4] and the Council of American Survey Research Organizations (CASRO) [5] to calculate outcomes. AAPOR provides a number of potential methods for calculation of response and two of their standard formulae are provided below. The following formulae were used to calculate rates from eligibility status of respondents, selected respondents, and/or sample phone numbers.

- **Resolution Rate:** The proportion of all telephone numbers in the sample for which their status of the numbers as households with working numbers has been resolved. Records for which household status is unknown are excluded from the numerator.

$$= (\text{ELIG} + \text{INELIG}) / (\text{ELIG} + \text{INELIG} + \text{UNKELIG})$$

- **Cooperation Rate (AAPOR Cooperation Rate 2):** The proportion of all respondents interviewed from known eligible units in which a respondent was selected and contacted. Non-contacts are excluded from the denominator. This rate is based on contacts with households containing an eligible respondent. The denominator of the rate includes completed interviews plus the number of non-interviews that involve the identification of and contact with a selected respondent.

$$= \text{COIN} / (\text{ELIG})$$

- **Interview Completion Rate:** The proportion of selected respondents who successfully completed an interview. This is a type of cooperation rate.

$$= \text{COIN} / (\text{COIN} + \text{TERE})$$

- **Refusal Rate (AAPOR Refusal Rate 2):** The proportion of all eligible respondents who refused to complete an interview or terminated an interview prior to the threshold required to be considered a partial interview.

$$= \text{TERE} / (\text{ELIG} + e^*(\text{UNKELIG}))$$

- **CASRO Response Rate (AAPOR Response Rate 4):** The proportion of the number of complete interviews by the number of interviews plus all cases of unknown eligibility that is actually eligible.

$$= \text{COIN} / (\text{COIN} + \text{ELIGHH} + e^*(\text{UNKELIG}))$$

- **Response Rate (AAPOR Response Rate 6):** The proportion of the number of complete interviews by the number of interviews.

$$= \text{COIN} / (\text{COIN} + \text{ELIGHH})$$

Analysis and evaluation of GSPS health data to defined populations requires consideration of overall survey participation. Appendix D illustrates rates of outcomes for the GSPS for each state based on categories of final dispositions.

## 6.8 ACCESSING THE GSPS DATA FILES

The GSPS data files are provided in SAS, SPSS, and ASCII formats and are available at <http://www.cdc.gov/osels/phsipo/dbs/GSPS.HTML>.

Data files: GSPS2012 (in SAS, SPSS, and ASCII)

Format file: GSPS\_SASFormats.sas (in SAS)

The following program can be used to load the SAS format and SAS dataset:

```
libname in "C:";
%include "C:\GSPS_SASFormats.sas"; * loading the format;

data temp;
  set in.GSPS2012;
run;
```

## 6.9 ACCOUNTING FOR THE COMPLEX SAMPLING DESIGN IN GSPS DATA ANALYSIS

The GSPS dataset was created from a complex survey design. Use of the dataset to most accurately represent populations in the coastal and noncoastal areas must consider the complex survey design. The statistical procedures or modules of statistical software (e.g., SUDAAN, SAS and SPSS) include statements for stratification, clustering and sample weight to account for complex sampling design of survey data. The following are examples for specifying strata, cluster and sample weights when appropriately analyzing the GSPS data:

SAS or SPSS:

```
Strata _STSTR;  
Cluster _PSU;  
Weight _GSPSWT;
```

SUDAAN:

```
NEST _STSTR _PSU;  
WEIGHT _GSPSWT;
```

Lack of attention to the complex survey design specifications in analyses will yield biased estimates of population prevalence and of associated confidence intervals. Users should refer to the appropriate SUDAAN, SAS, SPSS, or other software User Manuals for detailed discussion concerning incorporation of complex survey designs before conducting data analyses.

## **6.10 CALCULATED CATEGORICAL VARIABLES**

The GSPS dataset includes variables for all questions asked within the survey questionnaire (See Appendix A). In addition the dataset includes calculated categorical variables to classify depression (PHQ-8), anxiety (GAD-7), Self-Mastery, heavy drinking, binge drinking, and current smoking status (Appendix E).

## **6.11 GSPS CODEBOOK**

The GSPS codebook showing the variable names, location, and frequency of values is provided in Appendix F.

## **7. APPENDIX A: QUESTIONNAIRES**

### **7.1 LANDLINE PHONE (ENGLISH)**



GSPS English landline  
questionnaire.pdf

### **7.2 CELL PHONE (ENGLISH)**



GSPS English cell  
questionnaire.pdf

### **7.3 LANDLINE PHONE (SPANISH)**



GSPS Spanish  
landline phone.pdf

### **7.4 CELL PHONE (SPANISH)**



GSPS Spanish Cell  
phone.pdf

## 8. APPENDIX B: COMPARISON DATA SOURCES

<b>GSPS Topic</b>	<b>Data collected within topic</b>	<b>Examples of Possible comparison data</b>
Demographics	Sex, Age, Race/ethnicity, Marital status, Employment	BRFSS; U.S. Census
Income	Current household income	BRFSS; U.S. Census
Health Status	General Health, Physical Health, Mental Health	BRFSS
Quality of Life	Physically Unhealthy Days Mentally Unhealthy Days	BRFSS
Life Satisfaction & Social Support	Life satisfaction and social/emotional support	BRFSS
Disability	Work days lost due to physical health problem; Work days lost due to mental/emotional health; Use special health equipment	BRFSS
Patient Health Questionnaire-8	Screen for moderate/severe depression	BRFSS (some states); National Comorbidity Survey Replication 2002
Generalized Anxiety Disorder 7	Screen for moderate/severe anxiety	National Comorbidity Survey Replication 2002
Lifetime Anxiety & Depression	Past diagnosis depressive disorder Past diagnosis anxiety disorder	BRFSS (some states); National Comorbidity Survey Replication 2002
Suicidal Thoughts and Behaviors	Suicidal ideation, planning, attempts	National Survey on Drug Use and Health 2009 National Intimate Partner and Sexual Violence Survey
Chronic Health Conditions	Past diagnosis selected chronic medical conditions	BRFSS
Health Care Access	Insurance coverage	BRFSS; U.S. Census
Mental Health Treatment	Mental health counseling, frequency, prescription medications	Hurricane Katrina Community Advisory Group Study
Resiliency/Coping	Locus of Control	Not available

Health Behaviors	Selected health risk behaviors	BRFSS
Social context	Worry Pay Mortgage; Worry Buy Food	BRFSS modules (2010, 2 states)
Intimate Partner Violence	Physical violence Emotional abuse	BRFSS 2006 (8 states); National Intimate Partner and Sexual Violence Survey
Environmental Questions	Direct contact with oil from spill, participate in clean-up	Not available
Employment Status Questions	Oil spill specific issues (employment before spill, job loss due to spill ,income changes due to spill	Not available
Gulf Oil Spill Awareness	Aware of the Gulf spill	Not available
Child Questions	Children's behavior questions	Not available

## 9. APPENDIX C: DISPOSITION CODES

	CODE DESCRIPTION	DEFINITION	FREQUENCY	PERCENT
<b>INTERVIEWS</b>				
	110 Completed	The selected respondent meets the criteria for a partial complete and has completed the interview through the last question.	37,654	3.6
	120 Partial completed	Sex and three or more questions from age, race, Hispanic origin, marital status, education, employment status, county code, and "Do you have more than one telephone number in your household?" have been answered with a response other than Don't know/Not sure or Refused	707	.1
<b>NON-INTERVIEW, HOUSEHOLD WITH ELIGIBLE RESPONDENT</b>				
	210 Termination within questionnaire	A hang-up or termination after the first question in the core has been asked and it or a subsequent question has received a response other than Don't know/Not sure or Refused. The selected respondent has not answered enough questions for the interview to qualify as a 120 Partial Complete.	7,662	.7
	220 Refusal – respondent selection	A hang-up or termination after respondent selection but before respondent has given a response other than Don't know/Not sure or Refused to one or more questions in the core. The refusals can come from any adult in the household and the initial refusal could have come before respondent selection. An automated message to not call the number again that is not in response specifically to that call attempt does not count as a refusal. Such an outcome should receive an answering machine or technological barrier	28,501	2.6

		interim code.		
	230 Not interviewed – respondent selected	Selected respondent was never spoken to or was spoken to and asked to be called again later one or more times. Includes cases where the selected respondent was away from residence for part of the interviewing period.	10,416	1.0
	240 Unavailable – respondent selected	Selected respondent is expected to be away from residence during the entire interviewing period, for example, because of travel or a hospital stay.	1,171	.1
	250 Language barrier – respondent selected	After respondent selection, the selected or another respondent does not speak English or another language well enough to be interviewed for which an interviewer and translated questionnaire are available.	284	.0
	260 Unable to communicate – respondent selected	After respondent selection, the selected or another respondent has a physical or mental condition that prevents the completion of an interview and that condition is expected to last through the entire interviewing period. This includes a temporary condition, such as bereavement, that will last beyond the interviewing period. (For conditions not expected to last through the entire interviewing period, schedule an appointment and keep trying.)	1,138	.1
	270 Hang up or termination – before respondent selected	Respondent hangs up or terminates call attempt after answering the number of adults question but before answering the number of men and number of women questions. This differs from 280 in that the respondent explicitly	926	.1

		refuses.		
	280 Household contact – before respondent selected	Respondent answered the number of adults question and asked to be called again later one or more times but the number of men and women were never determined. On the surface, this is a postponement that was never re-started but may be an implicit refusal. This differs from 270 in that the respondent never explicitly refuses.	63	.0
<b>NON-INTERVIEWS, ELIGIBILITY UNDETERMINED</b>				
	305 Household away during interview period	A house sitter, house cleaner, or other non-member of a household states that all of the household members will be away from the residence during the entire interviewing period.	576	.1
	310 Hang up or termination – unknown if eligible respondent	A respondent hangs-up or terminates a call attempt before answering the number of adults question. This differs from 315 in that the respondent explicitly refuses.	9,829	.9
	315 Landline household contact – unknown if eligible respondent	A respondent verified that the telephone number reaches a private residence and asked to be called again later one or more times but the number of adults in the household was never determined. On the surface, this is a postponement that was never re-started but may be an implicit refusal. This differs from 310 in that the respondent never explicitly refuses.	577	.1
	317 Cell phone contact – unknown if eligible phone number	A respondent verified that the telephone number reaches a private residence and asked to be called again later one or more times but the number of adults in the household was never determined. On	281	.0

		the surface, this is a postponement that was never re-started but may be an implicit refusal. This differs from 310 in that the respondent never explicitly refuses.		
	319 Cell phone contact-unknown if eligible	A respondent answered the phone but no further information was obtained.	90	.0
	320 Language barrier – before respondent selected	A respondent who does not speak English or another language well enough to answer the screening questions, for which an interviewer and translated questionnaire are available, answers the telephone twice before respondent selection. Give final disposition even if other respondents who do not present a language problem have answered the telephone.	1,972	.2
	325 Unable to communicate – before respondent selected	A respondent whose physical or mental impairment prevents him or her from completing the screening questions answers the phone twice before respondent selection. Give final disposition even if other respondents without a physical or mental impairment have answered the telephone.	807	.1
	330 Hang up or termination – unknown if private residence	A respondent hangs-up or terminates a call attempt before confirming that the telephone number rings to a private residence.	116,405	10.7
	332 Contact – unknown if private residence	A respondent did not verify that the telephone number reaches a private residence but asked to be called again later one or more times. On the surface, this is a postponement that was never re-started but may be an implicit refusal. This differs from 330 in that the respondent never explicitly refuses.	38,176	3.5

	335 Telephone answering device -- is private residence	One or more call attempts reached an answering machine but no person was ever spoken to. The message confirms that the telephone number reaches a private residence by using the words, "home," "house," "family," "residence" or a family name.	11,264	1.0
	340 Technical barrier -is private residence	One or more call attempts reached a call blocking message, a message asking the caller to identify him/herself, or other automated message, but no person was ever spoken to. A message confirms that the telephone number reaches a private residence by using the words, "home," "house," "family," "residence" or a family name.	12	.0
	345 Telephone answering device -not sure if private residence	One or more call attempts reached an answering machine but no person was ever spoken to. The message leaves open the possibility that the telephone number is reaching a private residence but it does not explicitly state so.	34,439	3.2
	350 Technical barrier – not sure if private residence	One or more call attempts reached a call blocking message, a message asking the caller to identify him/herself, or other automated response, but no person was ever spoken to. There is no message or a message leaves open the possibility that the telephone number is reaching a private residence but it does not explicitly state so.	437	.0
	355 Phone no longer in service or changed	On the second or subsequent call attempt, a	22,481	2.1

		telephone number is responding with a message indicating that the telephone number called is a non-working number or has been changed.		
	360 No answer	Among telephone numbers which no person or device ever answered, half or more of the call attempts resulted in a normal telephone ring that no one answered.	44,297	4.1
	365 Busy	Among telephone numbers which no person or device ever answered, more than half of the call attempts resulted in a normal busy signal.	12,193	1.1
	370 On never call list	To be assigned to (those few) telephone numbers that the survey vendor has determined, before calling begins, should not be called.	188	.0
<b>NOT ELIGIBLE</b>				
	405 Out of sample	The telephone number rings out-of-sample area.	1,978	.2
	410 Household – no eligible respondent (landline only)	No one 18 years of age or older uses the telephone. To be assigned when no one in the household is 18 years of age or older or the telephone number is used by a teen under the age of 18 and the parents do not use that phone.	288	.0
	415 No eligible respondent (Cell phone sample)	No one 18 years of age or older uses the telephone. The telephone number is used by a teen under the age of 18 and the parents do not use that phone.	1,014	.1
	420 Not a private residence (landline sample)	The person answering the phone or an answering machine identifies the telephone number as a business, an institution (government office, educational facility, dormitory, nursing home,	85,397	7.8

		hospital, prison), a group home (fraternity or sorority, half-way house, shelter), a timeshare or vacation home at which no one is living for 30 days or more at the time of contact, Efax service, a pager, a cellular phone, or a dedicated fax/data/modem line that s/he answered to identify as such.		
	421 Minor child cell phone	The person answering the phone is a minor child and no adults receive calls on that cell phone.	625	.1
	422 Business cell phone	The number reaches a business only cell phone which is not a residential number.	2,749	.3
	425 Rings to landline	A number in the cell phone sample rings to a landline number	670	.1
	430 Dedicated fax/data/modem	A telephone number used only as a fax, data, or modem line.	20,674	1.9
	435 Cell phone (landline phone sample)	The telephone number in the landline sample is a cell phone	7,619	.7
	437 Cell phone respondent with landline phone/ does not meet 90% criteria	The person answering the phone in the cell phone sample has a landline phone and does not receive at least 90% of all calls on their cell phone	4,765	.4
	450 Non-working/disconnected	Usually recognized by a tritone, a recording indicating that the telephone number is non-working, a number that consistently rings to an incorrect number, or a number that cannot be verified by a respondent.	583,026	53.3
	455 Wrong number in cell sample	Cell number reached is not the number called.	199	.0
	490 Miscellaneous ineligible		1,413	.0
<b>TOTAL</b>			<b>1,092,963</b>	<b>100.0</b>

## 10. APPENDIX D: RESPONSE RATES AND CALL OUTCOMES

GSPS rates of outcomes based on categories of final dispositions.

Locality	Resolution Rate	Cooperation Rate	Refusal Rate	CASRO Response Rate <sup>1</sup>	AAPOR Response Rate <sup>2</sup>
<b>Alabama</b>	72.5%	44.6%	30.1%	32.4%	44.6%
<b>Florida</b>	71.9%	47.0%	28.8%	33.8%	47.0%
<b>Louisiana</b>	74.2%	43.0%	31.0%	31.9%	43.0%
<b>Mississippi</b>	77.6%	45.2%	31.8%	35.1%	45.2%
<b>Overall GSPS Rates</b>	73.9%	44.2%	30.6%	32.7%	44.2%

<sup>1</sup>The CASRO Response Rate is equivalent to AAPOR 2011 Response Rate #4

<sup>2</sup>The AAPOR Response Rate meets guidelines for AAPOR 2011 Response Rate #6

## 11. APPENDIX E: CALCULATED VARIABLES

### 11.1 PHQ-8

The Patient Health Questionnaire (PHQ)-8 response set was standardized to make it similar to other BRFSS questions by asking the number of days in the past 2 weeks the respondent had experienced a particular depressive symptom. The modified response set was converted back to the original response set: 0 to 1 day="not at all," 2 to 6 days="several days," 7 to 11 days="more than half the days," and 12 to 14 days="nearly every day," with points (0 to 3) assigned to each category, respectively. The scores for each item are summed to produce a total score between 0 and 24 points (*\_PHQ8\_score*). If a response to any of the 8 questions was missing (i.e. Don't know/Not sure or Refused), a score was not calculated

Five severity categories of depression were defined (*\_PHQ8\_5depress*):

- None – Minimal depression (0 to 4)
- Mild depression (5 to 9)
- Moderate depression (10 to 14)
- Moderately severe depression (15 to 19)
- Severe depression (20 to 24)

A score of 0 to 9 points, which is no and mild depression, was defined as no depression, while a score of 10 to 24 points, which was moderate, moderately severe and severe depression, was defined as current depression (*\_PHQ8\_depress*).

VARIABLE	SAS CODE
<i>_PHQ8_score</i> (summation of scores for all 8 questions)	<pre> /*DAYS HAD LITTLE PLEASURE DOING THINGS*/ IF ADPLEASR in (1,88) THEN AD1 = 0; ELSE IF ADPLEASR in (2,3,4,5,6) THEN AD1 = 1; ELSE IF ADPLEASR in (7,8,9,10,11) THEN AD1 = 2; ELSE IF ADPLEASR in (12,13,14) THEN AD1 = 3; /*DAYS FELT DOWN, DEPRESSED OR HOPELESS;*/ IF ADDOWN in (1,88) THEN AD2 = 0; ELSE IF ADDOWN in (2,3,4,5,6) THEN AD2 = 1; ELSE IF ADDOWN in (7,8,9,10,11) THEN AD2 = 2; ELSE IF ADDOWN in (12,13,14) THEN AD2 = 3; /*DAYS HAD TROUBLE WITH SLEEP;*/ IF ADSLEEP in (1,88) THEN AD3 = 0; ELSE IF ADSLEEP in (2,3,4,5,6) THEN AD3 = 1; ELSE IF ADSLEEP in (7,8,9,10,11) THEN AD3 = 2; ELSE IF ADSLEEP in (12,13,14) THEN AD3 = 3; /*DAYS WERE TIRED OR HAD LITTLE ENERGY;*/ IF ADENERGY in (1,88) THEN AD4 = 0; ELSE IF ADENERGY in (2,3,4,5,6) THEN AD4 = 1; ELSE IF ADENERGY in (7,8,9,10,11) THEN AD4 = 2; ELSE IF ADENERGY in (12,13,14) THEN AD4 = 3; /*DAYS ATE TOO LITTLE OR TOO MUCH;*/ IF ADEAT1 in (1,88) THEN AD5 = 0; ELSE IF ADEAT1 in (2,3,4,5,6) THEN AD5 = 1; ELSE IF ADEAT1 in (7,8,9,10,11) THEN AD5 = 2; </pre>

	<pre> ELSE IF ADEAT1 in (12,13,14) THEN AD5 = 3; /*DAYS FELT LIKE FAILURE OR LET FAMILY DOWN;*/ IF ADFAIL in (1,88) THEN AD6 = 0; ELSE IF ADFAIL in (2,3,4,5,6) THEN AD6 = 1; ELSE IF ADFAIL in (7,8,9,10,11) THEN AD6 = 2; ELSE IF ADFAIL in (12,13,14) THEN AD6 = 3; /*DAYS HAD TROUBLE CONCENTRATING;*/ IF ADTHINK in (1,88) THEN AD7 = 0; ELSE IF ADTHINK in (2,3,4,5,6) THEN AD7 = 1; ELSE IF ADTHINK in (7,8,9,10,11) THEN AD7 = 2; ELSE IF ADTHINK in (12,13,14) THEN AD7 = 3; /*DAYS TALKED TO MOVE SLOWER OR FASTER THAN USUAL;*/ IF ADMOVE in (1,88) THEN AD8 = 0; ELSE IF ADMOVE in (2,3,4,5,6) THEN AD8 = 1; ELSE IF ADMOVE in (7,8,9,10,11) THEN AD8 = 2; ELSE IF ADMOVE in (12,13,14) THEN AD8 = 3;  IF AD1 in (0,1,2,3) &amp; AD2 in (0,1,2,3) &amp; AD3 in (0,1,2,3) &amp; AD4 in (0,1,2,3) &amp; AD5 in (0,1,2,3) &amp; AD6 in (0,1,2,3) &amp; AD7 in (0,1,2,3) &amp; AD8 in (0,1,2,3)  THEN _PHQ8_score = AD1 + AD2 + AD3 + AD4 + AD5 + AD6 + AD7 +AD8; </pre>
<pre> _PHQ8_5depress ( 5 depression severity categories) </pre>	<pre> if 0&lt;=_PHQ8_score &lt;=4 then _PHQ8_5depress =1; *none; if 5&lt;=_PHQ8_score &lt;=9 then _PHQ8_5depress =2; *mild; if 10&lt;=_PHQ8_score &lt;=14 then _PHQ8_5depress =3; *moderate; if 15&lt;=_PHQ8_score &lt;=19 then _PHQ8_5depress =4; *moderately severe; if _PHQ8_score &gt;=20 then _PHQ8_5depress =5; *severe; </pre>
<pre> _PHQ8_depress (identifies scores ≥10 as current depression) </pre>	<pre> *≥10 cutpoint;  if _PHQ8_5depress in (1,2) then _PHQ8_depress =0; *no current depression; if _PHQ8_5depress in (3,4,5) then _PHQ8_depress =1; *Current depression; </pre>

## 11.2 GAD-7

The Generalized Anxiety Disorder (GAD)-7 response set was standardized to make it similar to other BRFSS questions by asking the number of days in the past 2 weeks the respondent had experienced generalized anxiety symptoms. The modified response set was converted back to the original response set: 0 to 1 day=“not at all,” 2 to 6 days=“several days,” 7 to 11 days=“more than half the days,” and 12 to 14 days=“nearly every day,” with points (0 to 3) assigned to each category, respectively. The scores for each item are summed to produce a total score between 0 and 21 points (*\_GAD7\_score*). If a response to any of the 7 questions was missing (i.e. Don’t know/Not sure or Refused), a score was not calculated.

Four severity categories of GAD were defined (*\_GSD7\_4anxiety*):

- None – Minimal GAD (0 to 4)
- Mild GAD (5 to 9)
- Moderate GAD (10 to 14)
- Severe GAD (15 to 21)

A score of 0 to 9 points, which is minimal and mild generalized anxiety, was defined as no GAD, while a score of 10 to 21 points, which was moderate and severe generalized anxiety, was defined as current GAD (*\_GAD7\_anxiety*).

VARIABLE	SAS CODE
<i>_GAD7_score</i> (summation of scores for all 7 questions)	<pre> /*nervous, anxious, or on edge*/ IF Anxdis1 in (1,88) THEN AN1 = 0; ELSE IF Anxdis1 in (2,3,4,5,6) THEN AN1 = 1; ELSE IF Anxdis1 in (7,8,9,10,11) THEN AN1 = 2; ELSE IF Anxdis1 in (12,13,14) THEN AN1 = 3; /*not able to stop or control worrying;*/ IF Anxdis2 in (1,88) THEN AN2 = 0; ELSE IF anxdis2 in (2,3,4,5,6) THEN AN2 = 1; ELSE IF anxdis2 in (7,8,9,10,11) THEN AN2 = 2; ELSE IF anxdis2 in (12,13,14) THEN AN2 = 3; /*worried too much about different things;*/ IF Anxdis3 in (1,88) THEN AN3 = 0; ELSE IF Anxdis3 in (2,3,4,5,6) THEN AN3 = 1; ELSE IF Anxdis3 in (7,8,9,10,11) THEN AN3 = 2; ELSE IF Anxdis3 in (12,13,14) THEN AN3 = 3; /*trouble relaxing;*/ IF Anxdis4 in (1,88) THEN AN4 = 0; ELSE IF Anxdis4 in (2,3,4,5,6) THEN AN4 = 1; ELSE IF Anxdis4 in (7,8,9,10,11) THEN AN4 = 2; ELSE IF Anxdis4 in (12,13,14) THEN AN4 = 3; /*restless;*/ IF Anxdis5 in (1,88) THEN AN5 = 0; ELSE IF Anxdis5 in (2,3,4,5,6) THEN AN5 = 1; ELSE IF anxdis5 in (7,8,9,10,11) THEN AN5 = 2; ELSE IF anxdis5 in (12,13,14) THEN AN5 = 3; /*easily annoyed or irritated;*/ IF Anxdis6 in (1,88) THEN AN6 = 0; ELSE IF Anxdis6 in (2,3,4,5,6) THEN AN6 = 1; </pre>

	<p>ELSE IF Anxdis6 in (7,8,9,10,11) THEN AN6 = 2;  ELSE IF Anxdis6 in (12,13,14) THEN AN6 = 3;  /*DAYS HAD TROUBLE CONCENTRATING;*/  IF Anxdis7 in (1,88) THEN AN7 = 0;  ELSE IF Anxdis7 in (2,3,4,5,6) THEN AN7 = 1;  ELSE IF Anxdis7 in (7,8,9,10,11) THEN AN7 = 2;  ELSE IF Anxdis7 in (12,13,14) THEN AN7 = 3;</p> <p>IF AN1 in (0,1,2,3) &amp; AN2 in (0,1,2,3) &amp; AN3 in (0,1,2,3) &amp; AN4 in (0,1,2,3) &amp;  AN5 in (0,1,2,3) &amp; AN6 in (0,1,2,3) &amp; AN7 in (0,1,2,3)</p> <p>THEN <i>_GAD7_score</i> = AN1 + AN2 + AN3 + AN4 + AN5 + AN6 + AN7;</p>
<i>_GSD7_4anxiety</i> (4 GAD severity categories)	<p>if 0&lt;=<i>_GAD7_score</i> &lt;=4 then <i>_GSD7_4anxiety</i> =1; *none;  if 5&lt;=<i>_GAD7_score</i> &lt;=9 then <i>_GSD7_4anxiety</i> =2; *mild;  if 10&lt;=<i>_GAD7_score</i> &lt;=14 then <i>_GSD7_4anxiety</i> =3; *moderate;  if 15&lt;=<i>_GAD7_score</i> &lt;=21 then <i>_GSD7_4anxiety</i> =4; *severe;</p>
<i>_GAD7_anxiety</i> (identifies scores ≥10 as current GAD)	<p>if <i>_GSD7_4anxiety</i> in (1,2) then <i>_GAD7_anxiety</i> =0; *no current anxiety;  if <i>_GSD7_4anxiety</i> in (3,4) then <i>_GAD7_anxiety</i> =1; *current anxiety;</p>

### 11.3 SELF-MASTERY

GSPS respondents were provided 5 statements on self-mastery adapted from the Self-Mastery Scale [6] and responses were scored 1 to 5 (strongly agree, agree, neither agree or disagree, disagree, strongly disagree), where 1 indicated less control. Ordering of the first question (COPE1) was reversed when calculating the total score. If a response to any of the 5 questions was missing (i.e. Don't know/Not sure or Refused), a score was not calculated.

1. How strongly do you agree or disagree that: I have little control over the things that happen to me. (COPE1)
2. How strongly do you agree or disagree that: What happens to me in the future mostly depends on me. (COPE2)
3. How strongly do you agree or disagree that: I can do just about anything I really set my mind to do. (COPE3)
4. How strongly do you agree or disagree that: I am confident in my ability to handle unexpected problems. (COPE4)
5. How strongly do you agree or disagree that:] When I need suggestions about how to deal with a personal problem, I know there is someone I can turn to. (COPE5)

A composite self-mastery scale (range from 5 to 25) was created by summing scores from the five questions (*\_cope5\_score*), with higher scores indicating higher self-mastery.

Variable	SAS Code
( <i>_cope5_score</i> ) summation of scores from the 5 questions	<pre> ** Mastery Scale **; ** coping **;  IF cope1 in (1,2,3,4,5) &amp; cope2 in (1,2,3,4,5) &amp; cope3 in (1,2,3,4,5) &amp; cope4 in (1,2,3,4,5) &amp; cope5 in (1,2,3,4,5) then DO;   rcope1= 6-cope1;   _cope5_score= rcope1 + cope2 + cope3 + cope4 +cope5; END; ELSE _cope5_score=.; </pre>

## 11.4 HEAVY DRINKING

The GSPS calculated heavy drinking according to the CDC's definition which is women having more than 1 drink per day or men having more than 2 drinks per day in the past 30 days. The calculated variable for heavy drinking (***\_RFDRHV3***) is derived from **ALCDAY4** and **AVEDRNK2**.

Heavy Drinking ( <b><i>_RFDRHV3</i></b> )		
1	NO	Male respondents that reported having 2 drinks per day or less, or female respondents that reported having 1 drink per day or less. (Sex=1 and <b><i>_DRNKDY3</i></b> <= 2 or Sex=2 and <b><i>_DRNKDY3</i></b> <= 1 or <b>ALCDAY4</b> =888)
2	YES	Male respondents that reported having more than 2 drinks per day, or female respondents that reported having more than 1 drink per day. (Sex=1 and <b><i>_DRNKDY3</i></b> > 2 or Sex=2 and <b><i>_DRNKDY3</i></b> > 1)
9	Don't Know/ Refused/Missing	Respondents with don't know, refused or missing responses for <b>ALCDAY4</b> or <b><i>_DRNKDY3</i></b> . ( <b>ALCDAY4</b> =997, 999, or missing, or <b><i>_DRNKDY3</i></b> =99, or missing)
	SAS Code	<pre>/* <b><i>_RFDRHV3</i></b>*/  IF <b>ALCDAY4</b> NOTIN (888,997, 999,.) THEN DO; IF 101 LE <b>ALCDAY4</b> LE 107   THEN <b>DROCDY2_</b>=(<b>ALCDAY4</b>-100)/7; ELSE IF 201 LE <b>ALCDAY4</b> LE 230   THEN <b>DROCDY2_</b>=(<b>ALCDAY4</b>-200)/30; END; ELSE IF <b>ALCDAY4</b> EQ 888 THEN <b>DROCDY2_</b>=0; ELSE <b>DROCDY2_</b>=9; *Don't know/not sure/missing;  IF <b>DROCDY2_</b> = 0 THEN <b><i>_DRNKDY3</i></b>=0; ELSE IF <b>DROCDY2_</b> = 9 THEN <b><i>_DRNKDY3</i></b>=99; ELSE IF <b>AVEDRNK2</b> IN (.,97,99) THEN <b><i>_DRNKDY3</i></b>=99; ELSE <b><i>_DRNKDY3</i></b>=<b>AVEDRNK2</b> * <b>DROCDY2_</b>;  IF <b>SEX</b>=1 AND <b><i>_DRNKDY3</i></b> NOTIN (99,.) THEN DO; IF <b><i>_DRNKDY3</i></b> GT 2 THEN <b><i>_RFDRHV3</i></b>=2; ELSE IF <b><i>_DRNKDY3</i></b> LE 2 THEN <b><i>_RFDRHV3</i></b>=1; END; ELSE IF <b>SEX</b>=2 AND <b><i>_DRNKDY3</i></b> NOTIN (99,.) THEN DO; IF <b><i>_DRNKDY3</i></b> GT 1 THEN <b><i>_RFDRHV3</i></b>=2; ELSE IF <b><i>_DRNKDY3</i></b> LE 1 THEN <b><i>_RFDRHV3</i></b>=1; END; ELSE IF <b>ALCDAY4</b> EQ 888 THEN <b><i>_RFDRHV3</i></b>=1; ELSE <b><i>_RFDRHV3</i></b>=9; *Don't know/not sure/missing;</pre>

## 11.5 BINGE DRINKING

The GSPS calculated binge drinking according to the CDC's definition which is women having four or more drinks on one occasion or men having five or more drinks on one occasion in the past 30 days. The calculated variable for binge drinking (***RFBING4***) is derived from *ALCDAY4* and *DRNK3GE5*.

Binge Drinking ( <i><b>RFBING4</b></i> )		
1	NO	Respondents that reported they did not drink in the past 30 days, or those that report that they did drink alcohol in the past 30 days but did not report having five or more drinks (for men) or having four or more drinks (for women) of alcohol on an occasion. ( <i>ALCDAY4</i> <231 and <i>DRNK3GE5</i> =88; or <i>ALCDAY4</i> =888)
2	YES	Respondents that reported they did drink in the past 30 days and had five or more drinks (for men) or had four or more drinks (for women) on one or more occasions in the past month. ( <i>ALCDAY4</i> <231 and $1 \leq \text{DRNK3GE5} \leq 76$ )
9	Don't Know/ Refused/Missing	Respondents that reported that they did not know if they had consumed five or more drinks (for men) or consumed four or more drinks (for women) of alcohol on one occasion or refused to answer if they had consumed five or more drinks of alcohol on one occasion or those with missing responses. ( <i>DRNK3GE5</i> =97, 99, missing; or <i>ALCDAY4</i> =997, 999, missing)
	SAS Code	<pre>/* _RFBING4 */  IF ALCDAY4 NOTIN (888) THEN DO; IF 1 LE DRNK3GE5 LE 76 THEN _RFBING4=2; ELSE IF DRNK3GE5 IN (.,97,99) THEN _RFBING4=9; ELSE IF DRNK3GE5 IN (88) THEN _RFBING4=1; END; ELSE IF ALCDAY4 = 888 THEN _RFBING4=1; ELSE _RFBING4=9; *Don't know/not sure/missing;  The format is: /* _RFBING4 */ value _RFBING 1 = "No" 2 = "Yes" 9 = "Don't know/ Refused/ Missing"</pre>

## 11.6 SMOKING STATUS

The GSPS calculated 4-level smoking status: *everyday smoker, someday smoker, former smoker, non-smoker*. The calculated variable for smoking status (**\_SMOKER3**) is derived from SMOKE100 and SMOKDAY2

Smoking status ( <b>_SMOKER3</b> )		
1	Current smoker - now smokes every day	Respondents that reported having smoked at least 100 cigarettes in their lifetime and now smoke every day. (SMOKE100=1 and SMOKDAY2=1)
2	Current smoker - now smokes some days	Respondents that reported having smoked at least 100 cigarettes in their lifetime and now smoke some days. (SMOKE100=1 and SMOKDAY2=2)
3	Former smoker	Respondents that reported having smoked at least 100 cigarettes in their lifetime and currently do not smoke. (SMOKE100=1 and SMOKDAY2=3)
4	Never smoked	Respondents that reported they had not smoked at least 100 cigarettes in their lifetime. (SMOKE100=2)
9	Don't know/ Refused/ Missing	Respondents that reported they didn't know if they had smoked 100 cigarettes in their lifetime, those that refused to answer if they had smoked 100 cigarettes in their lifetime, those that didn't know if they now smoked every day, some days or not at all, those that refused to answer if they now smoked every day, some days or not at all, or those with missing responses. (SMOKE100=97, 99, missing; or SMOKDAY2=97, 99, missing)
	SAS Code	<pre>/* _SMOKER3 and _SMOKER2 */  IF SMOKE100=2 THEN _SMOKER3=4; ELSE IF SMOKE100=1 THEN DO;   IF SMOKDAY2=1 THEN _SMOKER3=1;   ELSE IF SMOKDAY2=2 THEN _SMOKER3=2;   ELSE IF SMOKDAY2=3 THEN _SMOKER3=3; ELSE _SMOKER3=9; END; ELSE _SMOKER3=9; *Don't know/not sure/missing;  IF _SMOKER3 IN (1,2) THEN _SMOKER2=1;*Current smoker- every day or some days; ELSE IF _SMOKER3 IN (3,4) THEN _SMOKER2=2;*not current smoker-former smoker or never smoked; ELSE _SMOKER2=9;*Don't know/not sure/missing;</pre>

## 12. APPENDIX F: CODEBOOK

CATI Section	Variable Name	Description	Values	Frequency
	SUBJECTID	Unique subject identifier	1 through 38,361	
	UNIQUEID			
<b>WEIGHTING VARIABLES</b>				
	_PSU			
	_STSTR			
	_GSPSWT			
	_GEOSTR			
	_DENSTR2	3 Household Density Stratum Code	1 = Listed 2 = Unlisted 9 = Not applicable	28,163 4,650 5,548
	DISPCODE	13 Final Disposition Code	110=Complete 120=Partial Complete	37,654 707
Recorded by CATI	IDATE	8 Interview Date		
	IMONTH	9 Interview Month		
	IDAY	10 Interview Day		
	IYEAR	11 Interview Year		
	NATTMPTS	11 Number of Attempts		
Recorded by CATI	LANG1	Language	1 = English 2 = Spanish Missing (interview before May 2011)	26,951 122 11,288
Recorded by CATI	PHNTYP	Phone type	1 = Landline 2 = Cell Phone	32,813 5,548
Recorded by CATI	STATE	State of residence - derived	1 = Alabama	6,135

CATI Section	Variable Name	Description	Values	Frequency
			12 = Florida	7,324
			22 = Louisiana	20,619
			28 = Mississippi	4,283
<b>DEMOGRAPHICS</b>				
Recorded by CATI	GROUP	Coastal/Non-coastal counties	1 = coastal county	27,947
			2 = non-coastal	10,414
	SEX	86 What is your gender?	1 = male	14,534
			2 = female	23,827
	AGE	87 What is your age?	numeric values 18 - 96	37,833
			97 = don't know/not sure	45
			99 = refused	483
	AGECAT	88 Age Category (for 97 or 99 above)	18-24	2
			25-34	13
			35-44	53
			45-54	107
			55-64	175
			65 +	178
			Missing	37,833
	HISP	89 Are you Hispanic or Latino?	1 = Hispanic	1,119
			2 = not Hispanic	37,033
			97 = don't know/not sure	155
			99 = refused	54
	RACE	90 Which group best represents your race?	1 = American Indian/Alaska Native	899
			2 = Asian	318
			3 = Black or African American	6,658

CATI Section	Variable Name	Description	Values	Frequency
			4 = Native Hawaiian/Other Pacific islander	116
			5 = White	29,586
			6 = Other	721
			97 = don't know/not sure	46
			99 = refused	17
	MRTL	94 What is your current marital status?	1 = Married	20,158
			2 = Divorced	5,578
			3 = Widowed	5,566
			4 = Separated	955
			5 = Never married	4,971
			6 = Member unmarried couple	971
			97 = don't know/not sure	30
			99 = refused	132
	INCOME	131 What was your estimated household income from all sources in 2010?	1 = <\$10,000	1,796
			2 = \$10,000 to <\$15,000	1,852
			3 = \$15,000 to < \$20,000	2,584
			4 = \$20,000 to <\$25,000	2,904
			5 = \$25,000 to <\$35,000	3,386
			6 = \$35,000 to <\$50,000	4,576
			7 = \$50,000 to <\$75,000	5,142
			8 = >\$75,000	9,431
			Don't know/not sure/refused/missing	6,690
	EMPLOY	91 What is your employment status?	1 = Employed for wages	14,766
			2 = Self-employed	3,099
			3 = Out of work > 1 year	1,039

CATI Section	Variable Name	Description	Values	Frequency
			4 = Out of work < 1 year	1,018
			5 = Homemaker	3,194
			6 = Student	912
			7 = Retired	11,031
			8 = Unable to work	3,195
			97 = don't know/not sure	58
			99 = refused	49
	INDST	92 What type of industry are you currently employed in?	01 to 08 and multiple industries	9,378
			09 Other	8,380
			97 = don't know/not sure	19
			99= refused	88
			Missing	20,496
	_INDST	Calculated variable for type of industry	01 = Fishing, agriculture, forestry, hunting	321
			02 = Oil and gas extraction, mining	678
			03 = Construction	1029
			04 = Manufacturing	728
			05 = Wholesale or retail	1436
			06 = Hotels, restaurants, recreation, arts, and entertainment	1134
			07 = Healthcare, social assistance	3337
			08 = Real estate, rental, and leasing	445
			09 = Something else	8380
			10 = Multiple industries	270
			97 = Don't know/not sure	19

CATI Section	Variable Name	Description	Values	Frequency
			99 = Refused	88
			Missing	20,496
<b>INTRO/SCREENER</b>				
	NUMADULT	22 Number of Adults in Household	1	11,453
			2	16,686
			3	3,398
			4	1,000
			5	227
			6	31
			7	10
			8	3
			10	4
			11	1
			Missing	5,548
	NUMMEN	23 Number of Adult men in Household	0	1,208
			1	17,249
			2	2,478
			3	373
			4	43
			5	6
			6	1
			7	1
			8	1
			Missing	17,001
	NUMWOMEN	24 Number of Adult women in Household	0	421

CATI Section	Variable Name	Description	Values	Frequency
			1	17,028
			2	3,357
			3	485
			4	57
			5	12
			Missing	17,001
<b>CHILD QUESTION</b>				
	CHLDDIF2	43 Child/children felt nervous or afraid?	1 = Yes	1,921
			2 = No	8,620
			97 = don't know/not sure	144
			99 = refused	12
			Missing	27,664
	CHLDDIF3	44 Child/children had problems sleeping?	1 = Yes	1,794
			2 = No	8,828
			97 = don't know/not sure	65
			99 = refused	10
			Missing	27,664
	CHLDDIF4	45 Child/children had problems getting along with other children?	1 = Yes	1,510
			2 = No	9,100
			97 = don't know/not sure	77
			99 = refused	10
			Missing	27,664
<b>HEALTH CARE ACCESS</b>				
	HLTHPLAN	115 Do you have any kind of health care coverage?	1 = Yes	32,198

CATI Section	Variable Name	Description	Values	Frequency
			2 = No	5,463
			97 = don't know/not sure	84
			99 = refused	169
			Missing	447
	MHCOV	116 Does health care plan include mental health coverage?	1 = Yes	18,929
			2 = No	3,316
			97 = don't know/not sure	9,911
			99 = refused	34
			Missing	6,171
<b>LIFE SATISFACTION EMOTIONAL SUPPORT</b>				
	LSATISFY	26 In general, how satisfied are you with your life?	1 = Very satisfied	17,297
			2 = Satisfied	18,382
			3 = Dissatisfied	1,815
			4 = Very Dissatisfied	613
			97 = don't know/not sure	96
			99 = refused	158
	EMTSUPRT	27 How often do you get the social and emotional support you need?	1 = Always	18,554
			2 = Usually	10,791
			3 = Sometimes	5,607
			4 = Rarely	1,524
			5 = Never	1,455
			97 = don't know/not sure	282
			99 = refused	148

CATI Section	Variable Name	Description	Values	Frequency
<b>HEALTH STATUS</b>				
	GENHLTH	30 How would you rate your general health?	1 = Excellent 2 = Very good 3 = Good 4 = Fair 5 = Poor 97 = don't know/not sure 99 = refused	6,907 13,392 11,551 4,627 1,816 55 13
	PHYSHTH2	28 How would you rate your physical health?	1 = Excellent 2 = Very good 3 = Good 4 = Fair 5 = Poor 97 = don't know/not sure 99 = refused	6,061 13,043 11,123 5,482 2,605 36 11
	MNTHTH2	29 How would you rate your mental health?	1 = Excellent 2 = Very good 3 = Good 4 = Fair 5 = Poor 97 = don't know/not sure 99 = refused	13,271 12,604 8,539 2,973 909 43 22
<b>QUALITY of LIFE</b>				
	PHYSHLTH	31 How many days in past 30 was your physical health not good?	numeric values 1 - 30	17,783

CATI Section	Variable Name	Description	Values	Frequency
			0 = None	19,881
			97 = don't know/not sure	607
			Missing	90
	MENTHLTH	32 How many days in past 30 was your mental health not good?	numeric values 1 - 30	17,473
			0 = None	20,332
			97 = don't know/not sure	452
			Missing	104
<b>DISABILITY</b>				
	DIS1PHS	114 How many days did physical health problem keep you from doing usual activities?	numeric values 1 - 30	9,201
			88 = None	28,410
			97 = don't know/not sure	201
			99 = refused	128
			Missing	421
	DIS1MNT	113 How many days did mental health condition or emotional problem keep you from doing usual activities?	numeric values 1 - 30	4,206
			88 = None	33,483
			97 = don't know/not sure	182
			99 = refused	113
			Missing	377
	USEEQUIP	112 Have health problem that requires special equipment?	1 = Yes	4,776
			2 = No	33,144
			97 = don't know/not sure	26
			99 = refused	76
			Missing	339

CATI Section	Variable Name	Description	Values	Frequency
<b>LIFETIME ANXIETY DEPRESSION</b>				
	ANX	46 Has a doctor or other healthcare provider EVER told you that you had an anxiety disorder?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused	7,388 30,728 167 78
	DEPRESS	47 Has a doctor or other healthcare provider EVER told you that you had a depressive disorder?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused	8,964 29,263 79 55
<b>PHQ-8</b>				
	_PHQ8_score	Calculated variable total PHQ-8 score	numeric values 0 - 24 Missing	36,669 1,692
	_PHQ8_5depress	Calculated variable PHQ-8—5 categories	1 = no current depression or minimal depression 2 = mild current depression 3 = moderate current depression 4 = moderately severe current depression 5 = severe current depression Missing	25,692 6,199 2,615 1,378 785 1,692
	_PHQ8_depress	Calculated variable moderate/severe current depression PHQ-8 (cutpoint =>10)	0 = no current depression 1 = current depression Missing	31,891 4,778 1,692
	ADPLEASR	48 How many days have you had little interest or pleasure in doing things?	numeric values 1 - 14 88 = no days 97 = don't know/not sure	13,843 23,958 482

CATI Section	Variable Name	Description	Values	Frequency
			99 = refused	78
	ADDOWN	49 How many days have you felt down, depressed or hopeless?	numeric values 1 - 14 88 = no days 97 = don't know/not sure 99 = refused	11,515 26,695 107 44
	ADSLEEP	50 How many days have you had trouble falling asleep or staying asleep or sleeping too much?	numeric values 1 - 14 88 = no days 97 = don't know/not sure 99 = refused	19,506 18,582 222 51
	ADENERGY	51 How many days have you felt tired or had little energy?	numeric values 1 - 14 88 = no days 97 = don't know/not sure 99 = refused	25,800 12,272 237 52
	ADEAT1	52 How many days have you had a poor appetite or eaten too much?	numeric values 1 - 14 88 = no days 97 = don't know/not sure 99 = refused	15,062 23,051 213 35
	ADFAIL	53 How many days have you felt bad about yourself or that you were a failure or had let yourself or your family down?	numeric values 1 - 14 88 = no days 97 = don't know/not sure 99 = refused	7,708 30,471 116 66
	ADTHINK	54 How many days have you had trouble concentrating on things, such as reading the newspaper or watching the TV?	numeric values 1 - 14	8,459

CATI Section	Variable Name	Description	Values	Frequency
			88 = no days	29,715
			97 = don't know/not sure	154
			99 = refused	33
	ADMOVE	55 How many days have you moved or spoken so slowly or been so fidgety or restless?	numeric values 1 - 14	5,742
			88 = no days	32,204
			97 = don't know/not sure	348
			99 = refused	67
<b>GAD-7</b>				
	_GAD7_score	Calculated variable total GAD-7 score	numeric values 0 - 21	37,455
			Missing	906
	_GAD7_4anxiety	Calculated variable GAD-7—4 categories	1 = no current anxiety or minimal anxiety	28,322
			2 = mild current anxiety	4,471
			3 = moderate current anxiety	2,346
			4 = severe current anxiety	2,316
			Missing	906
	_GAD7_anxiety	Calculated variable moderate/severe current anxiety GAD-7 (cutpoint =>10)	0 = no current anxiety	32,793
			1 = current anxiety	4,662
			Missing	906
	ANXDIS1	56 How many days have you been nervous, anxious, or on edge?	numeric values 1 - 14	14,760
			88 = no days	23,432
			97 = don't know/not sure	131
			99 = refused	38
	ANXDIS2	57 How many days have you not been able to stop or control worrying?	numeric values 1 - 14	11,611
			88 = no days	26,503

CATI Section	Variable Name	Description	Values	Frequency
			97 = don't know/not sure	195
			99 = refused	52
	ANXDIS3	58 How many days have you worried too much about different things?	numeric values 1 - 14	15,592
			88 = no days	22,494
			97 = don't know/not sure	234
			99 = refused	41
	ANXDIS4	59 How many days have you had trouble relaxing?	numeric values 1 - 14	14,645
			88 = no days	23,555
			97 = don't know/not sure	131
			99 = refused	30
	ANXDIS5	60 How many days have you been so restless that it was hard to sit still?	numeric values 1 - 14	8,071
			88 = no days	30,095
			97 = don't know/not sure	152
			99 = refused	43
	ANXDIS6	61 How many days have you been easily annoyed or irritable?	numeric values 1 - 14	20,217
			88 = no days	17,954
			97 = don't know/not sure	147
			99 = refused	43
	ANXDIS7	62 How many days have you felt afraid as if something awful might happen?	numeric values 1 - 14	8,020
			88 = no days	30,199
			97 = don't know/not sure	105
			99 = refused	37
<b>SUICIDAL THOUGHTS BEHAVIORS</b>				
	STBNOSAF	121 Does not want to answer the Suicidal Thoughts and Behaviors questions	1 = Agreed to answer (Continue)	37,276

CATI Section	Variable Name	Description	Values	Frequency
			99 = Did not want to answer	540
			Missing	545
	SUICIDE1	122 At any time in the past 12 months, did you seriously think about trying to kill yourself?	1 = Yes	1,254
			2 = No	35,699
			97 = don't know/not sure	21
			99 = refused	280
			Missing	1,107
	SUICIDE2	123 At any time in the past 12 months, did you make any plans to kill yourself?	1 = Yes	316
			2 = No	943
			97 = don't know/not sure	12
			99 = refused	4
			Missing	37,086
	SUICIDE3	124 At any time in the past 12 months, did you try to kill yourself?	1 = Yes	168
			2 = No	1,094
			97 = don't know/not sure	7
			99 = refused	6
			Missing	37,086
	HOTLINE	125 Toll Free Hotline	1 = hotline number provided	2,920
			2 = hotline not provided	33,651
			Missing	1,790
<b>MENTAL HEALTH TREATMENT</b>				
	COUNSEL1	117 Ever received counseling for problems with emotions, nerves, or mental health?	1 = Yes	9,115
			2 = No	28,525
			97 = don't know/not sure	53

CATI Section	Variable Name	Description	Values	Frequency
			99 = refused	192
			Missing	476
	COUNSEL2	118 How many times have you received counseling for problems with emotions, nerves, or mental health?	numeric values 1 - 365	3,591
			888 = hasn't received counseling	5,345
			997 = don't know/not sure	153
			999 = refused	24
			Missing	29,248
	COUNSEL3	119 EVER prescribed medication for problems with your emotions, nerves, or mental health?	1 = Yes	6,514
			2 = No	2,541
			97 = don't know/not sure	30
			99 = refused	25
			Missing	29,251
	COUNSEL4	120 When was the last time that you were prescribed medication for problems with your emotions, nerves, or mental health?	1 = within past month (anytime less than 1 month ago)	669
			2 = within past year (1 month but less than 12 months ago)	751
			3 = within past 2 years (1 year but less than 2 years ago)	396
			4 = 2 or more years ago	4,604
			97 = don't know/not sure	54
			99 = refused	35
			Missing	31,852
<b>CHRONIC HEALTH CONDITIONS</b>				
	CVDINFR4	98 Ever told you had a heart attack, also called a myocardial infarction?	1 = Yes	2,767
			2 = No	35,422

CATI Section	Variable Name	Description	Values	Frequency
			97 = don't know/not sure	98
			99 = refused	22
			Missing	52
	CVDCRHD4	99 Ever told you had a angina or coronary heart disease?	1 = Yes	3,153
			2 = No	34,837
			97 = don't know/not sure	249
			99 = refused	30
			Missing	92
	CVDSTRK3	100 Ever told you had a stroke?	1 = Yes	2,012
			2 = No	36,154
			97 = don't know/not sure	60
			99 = refused	22
			Missing	113
	ASTHMA2	101 Ever told you had asthma?	1 = Yes	5,427
			2 = No	32,742
			97 = don't know/not sure	45
			99 = refused	17
			Missing	130
	ASTHNOW	102 Do you still have asthma?	1 = Yes	3,580
			2 = No	1,718
			97 = don't know/not sure	127
			99 = refused	2
			Missing	32,934
	DIABETE2	103 Ever told you had diabetes?	1 = Yes	5,772
			2 = Yes, but female told only during pregnancy	417

CATI Section	Variable Name	Description	Values	Frequency
			3 = No	31,454
			4 = Pre-diabetes/borderline	519
			97 = don't know/not sure	22
			99 = refused	28
			Missing	149
	HAVARTH2	104 Ever told you had some form of arthritis?	1 = Yes	14,525
			2 = No	23,569
			97 = don't know/not sure	59
			99 = refused	38
			Missing	170
<b>HEALTH BEHAVIORS</b>				
	EXERANY2	105 Did you participate in any form of exercise?	1 = Yes	27,646
			2 = No	10,454
			97 = don't know/not sure	31
			99 = refused	27
			Missing	203
	ALCDAY4	106 How many days did you drink an alcoholic beverage?	Numeric codes days/week (101-107) or days/month (201-230)	17,835
			888 = no drink past month	20,098
			997 = don't know/not sure	122
			999 = refused	72
			Missing	234
	AVEDRNK2	107 Average number of drinks consumed	Numeric values 1 to 76	17,709
			97 = don't know/not sure	170
			99 = refused	51
			Missing	20,431

CATI Section	Variable Name	Description	Values	Frequency
	_RFDRHV3	Calculated variable for heavy drinking (males >2 drinks per day, females >1 drink per day)	1 = No heavy drinking 2 = Heavy drinking 9 = Unknown	35,564 2,148 649
	__RFBING4	Calculated variable for binge drinkers (males =>5 drinks on one occasion, females => 4 drinks on one occasion).	1 = No binge drinking 2 = Binge drinking 9 = Unknown	33,157 4,683 521
	DRNK3GE5	108 Days binge drank	Numeric values 1 to 76 88 = no days binge drink 97 = don't know/not sure 99 = refused Missing	4,683 13,059 119 44 20,456
	SMOKE100	109 Smoked 100 cigarettes in lifetime	1 = Yes 2 = No 97 = don't know/not sure 99 = refused Missing	17,716 20,167 126 50 302
	SMOKDAY2	110 Do you smoke cigarettes every day, some days, or not at all?	1 = Every day 2 = Some days 3 = Not at all 97 = don't know/not sure 99 = refused Missing	5,666 1,895 10,130 8 13 20,649
	_SMOKER3	Calculated variable for smoking—4 levels smoking status	1 = Current smoker/now smokes every day	5,666

CATI Section	Variable Name	Description	Values	Frequency
			2 = Current smoker/now smokers some days	1,895
			3 = Former smoker	10,130
			4 = Never smoked	20,167
			9 = Unknown	503
	_SMOKER2	Calculated variable for smoking—2 levels smoking status	1 = Current smoker (now smokes every day or some days)	7,561
			2 = Current non-smoker (never smoked/former smoker)	30,297
			9 = Unknown	503
	SCRIP	111 Have you increased your level of prescription or non-prescription medication use?	1 = Yes	1,013
			2 = No	36,941
			97 = don't know/not sure	29
			99 = refused	58
			Missing	320
<b>SELF-MASTERY</b>				
	_cope5_score	Calculated variable total Score of 5-item Mastery Scale	Numeric values 5 to 25	36,907
			Missing	1,454
	COPE1	33 I have little control over the things that happen to me.	1 = Strongly disagree	8,328
			2 = Disagree	15,159
			3 = Neither agree or disagree	3,367
			4 = Agree	7,752
			5 = Strongly agree	3,007
			Don't know/not sure/refused/missing	748
	COPE2	34 What happens to me in the future mostly depends on me.	1 = Strongly disagree	734
			2 = Disagree	3,182

CATI Section	Variable Name	Description	Values	Frequency
			3 = Neither agree or disagree	1,696
			4 = Agree	20,665
			5 = Strongly agree	11,600
			Don't know/not sure/refused/missing	484
	COPE3	35 I can do just about anything I really set my mind to do.	1 = Strongly disagree	586
			2 = Disagree	3,580
			3 = Neither agree or disagree	1,443
			4 = Agree	21,068
			5 = Strongly agree	11,455
			Don't know/not sure/refused/missing	229
	COPE4	36 I am confident in my ability to handle unexpected problems.	1 = Strongly disagree	371
			2 = Disagree	2,097
			3 = Neither agree or disagree	1,007
			4 = Agree	23,443
			5 = Strongly agree	11,180
			Don't know/not sure/refused/missing	263
	COPE5	37 When I need suggestions about how to deal with a personal problem, I know there is someone I can turn to.	1 = Strongly disagree	613
			2 = Disagree	2,208
			3 = Neither agree or disagree	721
			4 = Agree	21,249
			5 = Strongly agree	13,427
			Don't know/not sure/refused/missing	143
<b>SOCIAL CONTEXT</b>				
	SCHOME	38 How often would you say you are worried or	1 = Always	3,732

CATI Section	Variable Name	Description	Values	Frequency
		stressed about having enough money to pay your rent/mortgage?	2 = Usually 3 = Sometimes 4 = Rarely 5 = Never 97 = don't know/not sure 99 = refused	2,528 9,315 9,946 12,687 82 71
	SCMEAL	39 How often would you say you are worried or stressed about having enough money to buy nutritious meals?	1 = Always 2 = Usually 3 = Sometimes 4 = Rarely 5 = Never 97 = don't know/not sure 99 = refused	2,240 1,664 5,912 8,655 19,835 35 20
<b>INTIMATE PARTNER VIOLENCE</b>				
	IPVNOSAF	126 Interviewer suspects it's not safe to ask the IPV questions.	1 = Agreed to answer (Continue) 99 = Did not want to answer Missing	36,555 1,172 634
	VIOLENC1	127 Are you in a safe place to answer these questions?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused Missing	35,908 290 22 304 1,837

CATI Section	Variable Name	Description	Values	Frequency
	VIOLENC2	128 Has an intimate partner hit, slapped, pushed, kicked, or hurt you in any way?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused Missing	669 35,094 6 133 2,459
	VIOLENC3	129 Has an intimate partner put you down, humiliated you or tried to control what you can do?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused Missing	2,361 33,310 36 194 2,460
	HOTLINE2	130 Toll Free Hotline	1 = Hotline number provided 2 = Hotline number not provided 99 = refused Missing	1,860 33,687 916 1,898
<b>OIL SPILL AWARENESS</b>				
	SPILL1	63 Are you aware of the Gulf oil spill that occurred in the Gulf of Mexico on April 20, 2010?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused	37,803 518 32 8
<b>ENVIRONMENTAL</b>				
	OILTCH1	64 Did you have direct contact with the oil from the Gulf oil spill?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused	3,625 33,878 287 13

CATI Section	Variable Name	Description	Values	Frequency
			Missing	558
	OILTCHA	66 Did your skin have contact with the oil?	1 = Yes	1,870
			2 = No	1,683
			97 = don't know/not sure	71
			99 = refused	1
			Missing	34,736
	OILTCHB	67 Did your skin have contact via inhalation?	1 = Yes	1,923
			2 = No	1,568
			97 = don't know/not sure	129
			99 = refused	5
			Missing	34,736
	OILTCHC	68 Did your skin have contact via ingestion?	1 = Yes	423
			2 = No	3,089
			97 = don't know/not sure	110
			99 = refused	3
			Missing	34,736
	OILTCHD	69 Did you have contact in any other way?	1 = Yes	604
			2 = No	2,943
			97 = don't know/not sure	72
			99 = refused	6
			Missing	34,736
<b>EMPLOYMENT STATUS</b>				
	OILEMPY	71 What was your employment status before the Gulf oil spill?	1 = Employed for wages	15,361
			2 = Self-employed	3,324
			3 = Out of work >1 year	894

CATI Section	Variable Name	Description	Values	Frequency
			4 = Out of work <1 year	599
			5 = Homemaker	3,347
			6= Student	1,179
			7 = Retired	10,294
			8 = Unable to work	2,629
			97 = don't know/not sure	115
			99 = refused	61
			Missing	558
	OILINC	72 How did the Gulf oil spill affect your household income?	1 = Decreased	5,985
			2 = Increased	865
			3 = No change	30,698
			97 = don't know/not sure	222
			99 = refused	33
			Missing	558
	OILIND	73 What type of industry were you employed in prior to the Gulf oil spill?	01 to 08 and multiple industries	10,197
			09 = Other	8,969
			97 = don't know/not sure	44
			99= refused	87
			Missing	19,064
	_OILIND	Calculated variable for type of industry	01 = Fishing, agriculture, forestry, hunting	433
			02 = Oil and gas extraction, mining	741
			03 = Construction	1166
			04 = Manufacturing	758
			05 = Wholesale or retail	1504

CATI Section	Variable Name	Description	Values	Frequency
			06 = Hotels, restaurants, recreation, arts, and entertainment	1317
			07 = Healthcare, social assistance	3429
			08 = Real estate, rental, and leasing	498
			09 = Something else	8969
			10 = Multiple industries	351
			97 = Don't know/not sure	44
			99 = Refused	87
			Missing	19,064
	LOSTJOB	75 How many people in your household lost their job due to the Gulf oil spill?	1 to 9	2,132
			10 = 10 or more	1
			88 = None lost job	35,577
			97 = don't know/not sure	70
			99= refused	23
			Missing	558
	OILCLN1	76 Did you participate in the Gulf oil spill cleanup activities?	1 = Yes	1,575
			2 = No	36,157
			97 = don't know/not sure	57
			99 = refused	14
			Missing	558
	OILCLN2	77 Were you a volunteer or did you get paid?	1 = Volunteer	933
			2 = Paid	617
			97 = don't know/not sure	18
			99 = refused	7
			Missing	36,786

CATI Section	Variable Name	Description	Values	Frequency
	OILCLN31	78 Did you help with beach or marsh cleanup?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused Missing	952 606 14 3 36,786
	OILCLN32	79 Did you help with bird or wildlife cleanup?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused Missing	307 1,253 12 3 36,786
	OILCLN33	80 Did you help with boom deployment and recovery or off-shore skimming cleanup?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused Missing	351 1,202 18 4 36,786
	OILCLN34	81 Did you help with decontamination or waste stream management cleanup?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused Missing	282 1,269 20 4 36,786
	OILCLN35	82 Did you help with at the well-head or controlled burning?	1 = Yes 2 = No 97 = don't know/not sure 99 = refused	66 1,497 10 2

CATI Section	Variable Name	Description	Values	Frequency
			Missing	36,786
	OILCLN36	83 Did you help with administrative, logistical, or medical support for the cleanup?	1 = Yes	400
			2 = No	1,159
			97 = don't know/not sure	14
			99 = refused	2
			Missing	36,786
	OILCLN37	84 Did you help with any other part of the cleanup?	1 = Yes	288
			2 = No	1,275
			97 = don't know/not sure	7
			99 = refused	5
			Missing	36,786

### 13. REFERENCES

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4. American Association for Public Opinion Research (AAPOR) Standard Definitions. [http://www.aapor.org/AM/Template.cfm?Section=Standard\\_Definitions1&Template=/CM/ContentDisplay.cfm&ContentID=1814](http://www.aapor.org/AM/Template.cfm?Section=Standard_Definitions1&Template=/CM/ContentDisplay.cfm&ContentID=1814).
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