

Attachment 10a

2020
BRFSS Data Collection Protocol with
Disposition Table



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Introduction

In 1984, the Centers for Disease Control and Prevention (CDC) initiated the state-based Behavioral Risk Factor Surveillance System (BRFSS)—a cross-sectional telephone survey that state health departments conduct monthly over landline telephones and, since 2011, cell phones; the states conduct the BRFSS survey with the use of a standardized questionnaire and the technical and methodologic assistance from CDC. BRFSS collects prevalence data among noninstitutionalized adult US residents regarding their risk behaviors and preventive health practices that can affect their health. Respondent data are forwarded to CDC to be aggregated for each state, returned with standard tabulations, and published at year's end by each state. In 2017, over 450,000 interviews were conducted in the states, the District of Columbia, and participating US territories and other geographic areas.

This document provides data collectors with a BRFSS overview and outlines the processes involved with calling, disposition-code assignment, and data submission. This document does not cover details of sampling and weighting, as they are not data-collectors' responsibility. Specific information regarding data quality, response and/or cooperation rates, or calling outcome can be found in the yearly Summary Data Quality Report released with the annual data set.

Find yearly data and support documents here: http://www.cdc.gov/brfss/data_documentation/index.htm.

Details of the data collection process are discussed in regularly scheduled conference calls and at the annual BRFSS meetings/training workshops. BRFSS encourages data collectors to participate in these events, as updating BRFSS data-collection protocol is a collective process that is strengthened when organizations and day-to-day stakeholders provide their input.

The BRFSS Process

The BRFSS questionnaire was developed in collaboration with CDC and public health departments in each of the states, the District of Columbia, and participating territories. Data derived from the questionnaire provide health departments, public health officials, and policy makers with behavioral and health status information that, when combined with mortality and morbidity statistics, guide the development of health-related policies and priorities as well as help decision makers address and assess strategies to promote good health. A finalized version of the questionnaire is sent to the states each year. CDC also provides computer-assisted telephone interviewing (CATI) programming to states, but they may opt to use their own CATI programming software using the final version of the BRFSS questionnaire as a guide. States which develop their own programming systems are required to test it accurately against the CDC provided programming. States may not change the skip patterns or wording of questions in the questionnaire but are free to create state-added questions that can be customized to states' individual needs (see below). In some instances, states may insert state-added questions into the questionnaire--with permission from CDC--when such questions fit into the context of extant topics/sections and do not impede the flow of the interview. Requests should be submitted to the state project officer or the survey methodologist on the Survey Operations Team.

Annual questionnaire construction

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The BRFSS questionnaire is comprised of an **annual standard core**, which includes questions asked of respondents each year; a **biannual rotating core**, which includes questions asked only in even- or odd-numbered years; **optional modules**, which include standardized questions adopted verbatim by the states; and **state-added questions**, which states individually customized. Appendix A provides a copy of the 2020 BRFSS questionnaire, including modules with skip patterns. Data collectors will note that the 2020 questionnaire includes skip patterns for landline and cell phone interviews that administrators should follow when they are conducting interviews using a sample provided by CDC (see Sampling below).

Standard Core Questions: The portion of the questionnaire that is included each year and must be asked by all states. The core may include Emerging Core questions about “late-breaking” health issues. After 1 year, these questions are either discontinued, incorporated back into the standard core or become part of the rotating core or optional modules.

Rotating Core Questions: The portion of the questionnaire asked by all states on an every-other-year basis. These questions regularly appear in even- and odd-numbered years. A few questions (dealing with immunization) appear on the BRFSS in three year rotating cycles. States may use rotation core questions as optional modules in off-year questionnaires.

Optional Modules: Optional modules are sets of standardized questions on various topics that each state may select and include in its questionnaire. Once selected, a module must be used in its entirety and asked of all eligible respondents. If an optional module is modified in any way (e.g., if a question is omitted), then the questions will be treated as state-added questions (see below).

In order to achieve a wide range of data, states may choose to “split” samples in order to give different modules to each smaller group of participants. For example, if a state adopts a questionnaire that is too long to ensure respondent cooperation, the state may choose to provide a version of the questionnaire with the core and a subset of modules. In this way a greater number of modules may be used if the state uses different modules on different versions of the questionnaire. Some respondents, therefore, will answer the core questionnaire and one set of modules, while others answer the core questionnaire and a different set of modules. States are required to conduct at least 2,500 interviews for each of the versions of the questionnaire in order to have enough responses for weighting purposes. States may adopt up to three versions of the questionnaire, each including the core (with standard and rotating core questions) and a specified number of modules, which will differ by version. States must include modules on both landline and cell phone interviews. Versions must also be included in both samples.

In many instances states may prefer to insert optional modules into the core questionnaire. This may be done to improve the flow of the questionnaire by grouping questions on similar topics. The following optional modules may be inserted into the questionnaire **at the discretion** of the BRFSS coordinators:

Name of Optional Module	Approved section of questionnaire
Industry and Occupation	After the employment question in the demographics section
Food Stamps	After employment question or (I/O module) in demographics
Diabetes/ Pre-diabetes	After the diabetes question in the chronic disease section
Healthcare access	After core healthcare access questions
Adult HPV, Place of Flu vaccination, Shingles	In Immunization section
Sexual Orientation and Gender Identity	In Demographics section just after the question on sex at birth (C08.05), if asked or just after C08.04 if C08.05 is not asked.
Home/ Self-measured Blood Pressure	Just after the Hypertension Awareness section of the core

All other insertions of optional modules into the core sections should be approved by CDC prior to implementation of the survey.

State-added Questions: BRFSS encourages states to add their own extra questions to their questionnaire, so they can gather data on additional topics related to their specific health priorities. All questions included in the BRFSS, with the exception of state-added questions, are cognitively tested prior to inclusion in the questionnaire. It is up to each state to decide whether or not it will cognitively test its state-added questions before use. State-added questions may not be inserted into the text of the core questionnaire or optional modules without approval from BRFSS. States should contact their project officers to request insertion of state-added questions into text that has been approved for use by all states.

The wording of the questions in any part of the BRFSS, with the exception of state-added questions, is determined at the annual BRFSS meeting (in spring or early summer), where BRFSS state coordinators vote to adopt questions submitted by CDC programs. A governing group including state BRFSS coordinators, CDC staff and others known as the BRFSS Working Group, may add questions on emerging issues (such as the H1N1 flu questions added in 2009 and e-cigarette use in 2014). A field test of new questions, modules and those sections of the questionnaire affected by new questions is conducted after the state voting process. CDC then designs core components and optional modules and produces data processing layouts, while considering state priorities, potential funding, and other practical aspects. Minor changes in question wording and format may be made after the field test. The new BRFSS materials for the next surveillance year are then sent to the states, which may add their own questions that they have designed or acquired. A target of October 1 is set for finalization of the questionnaire for the upcoming year.

Data collectors should have the capacity to make modifications, including addition of questions, during the course of the year. In addition, data collectors must be capable of adjusting screening questions that determine eligibility during the course of the year.

Data Collection

Data collection follows a suggested BRFSS interviewing schedule; all calls for a given survey month should be completed in the same sample month if possible. In some cases samples begun in one month may be completed in the first 7-10 days of the next month. Up to 15 calling attempts may be made for each landline phone number and up to 8 for each cell phone number in the sample, depending on state regulations for calling and outcomes of previous calling attempts. Although states have some flexibility in distribution of calling times, *in general*, surveys are conducted using the following calling occasions:

- Conduct 20% of landline calling attempts on weekdays (before 5:00 PM)
- Conduct 80% of landline calling attempts on weeknights (after 5:00 PM) and weekends
- Conduct cell phone calling attempts during all three calling occasions (weekday, weeknight, and weekend), with approximately 30% on weekend calling occasions.
- Change schedules to accommodate holidays and special events.
- Make weeknight calls after 5:00 PM.

- Adhere to respondents' requests for specific callback/appointment times whenever possible.

With larger portions of the samples allocated to cell phone numbers, states may modify the calling schedule for efficiency. Data collectors must develop and maintain procedures to ensure respondents' confidentiality, assure and document the quality of the interviewing process, and supervise and monitor the interviewers. CDC does not authorize the taping of interviews. Data collectors should keep in mind that state laws on recording conversations may vary, and there is no certainty when dialing a cell phone number as to where respondents are currently residing and accepting calls. Should a data collector record a call for any reason (such as training), CDC must be notified and approve of the procedure. In all cases where quality is being monitored by recording calls, respondents should be notified before the first questions are posed.

Each telephone number in the CDC-provided sample must be assigned a final disposition code to describe the result of calling the number:

- A completed or partially completed interview (see definitions in Appendix B) or
- A determination that:
 - A household was eligible to be included but an interview was not completed or
 - A telephone number was ineligible or could not have its eligibility determined.

The final disposition codes are then used to calculate response rates, cooperation rates, and refusal rates. The distribution of individual disposition codes and the rates of cooperation,

refusal, and response are published annually in the Summary Data Quality Reports. BRFSS uses standards set by the American Association of Public Opinion Research (AAPOR) to determine disposition codes and response rates. All BRFSS disposition codes and rules for assigning disposition codes are provided in Appendix B: Disposition Table with Callback Rules. Given the myriad outcomes for assigning specific codes associated with technological barriers, additional guidance is provided in Appendix C: Understanding Coding for Technological/ Telecommunication Barriers. Data collectors must follow the rules for assigning disposition codes and train and monitor interviewers in the use of specific dispositions.

Survey Protocol

BRFSS sets standard protocols for data collection, in order to maintain consistency across states that permits state-to-state data comparison. Data collectors should follow the assignment of disposition codes provided in Appendix B: Disposition Table with Callback Rules. Disposition codes follow the format of 1000-1999 completed/partially completed; 2000-2999 non-completed interviews with eligible respondents/households; 3000-3999 non-completed interviews with unknown eligible persons/households; 4000-4999 ineligible numbers; 5000-5999 interim dispositions. A 2000 level disposition should not be assigned unless the interviewer is certain that both the household and respondent are eligible for the survey. Assigning incorrect disposition codes can lower response rates and efficient use of the sample. The following items are included in the BRFSS survey protocol:

1. All states must include the core questions and introductory scripts without modification. States may choose to add any, all, or none of the optional modules and state-added questions after the core component. Interviewers may not offer information to respondents on the meaning of questions, words, or phrases beyond the interviewer instructions provided by CDC and/or the state BRFSS coordinators. States may not insert state-added questions into the core component or into optional modules without permission. State coordinators should contact their CDC project officers to request the placement of state-added questions into text that has been approved for use by all states.
2. Systematic, unobtrusive electronic monitoring is a routine and integral part of monthly survey procedures for all interviewers. States may also use callback verification procedures to ensure data quality. Unless supervisory monitoring of 10% of all interviews is being routinely conducted, a 5% random sample of each month's interviews must be called back to verify selected responses for quality assurance. Recording calls as part of quality assurance is not part of the BRFSS methodology and recording interviews without respondent knowledge is not legal in all states. Data collectors should remember that cell phone numbers may reach respondents in any state or country, where laws on recording calls may be different than in the state where the call originated.
3. An eligible household is defined as a housing unit that has a separate entrance, where occupants eat separately from other persons on the property, and that is occupied by its members as their principal or secondary place of residence. The following are non-eligible households: vacation homes not occupied by household members for more than 30 consecutive days per year, group homes, institutions, and (in the landline telephone sample) households in states other than

the one conducting the BRFSS questionnaire. Persons in a state's cell phone sample who are residents of other states are eligible for interview. The state contacting the respondent should complete the core questionnaire and then provide the data to CDC for transfer to the appropriate state of the respondents' residence. States should especially attempt to obtain the state of residence of respondents who indicate that they have moved and retained their cell phone number from another state. States should collect verbatim county information on persons who live in other states in order to permit the correct weight for the respondent after data are transferred. Since 2012, persons living in college housing have been included as eligible respondents. Although it is rare to contact a college housing resident in the landline sample, this person would also be included as a single adult household. The BRFSS is a self-reported survey. If respondents report that they live in private residences, it is not the role of interviewers to question them. The only instances under which there is discussion of information on whether households qualify as private residences is when respondents initiate the question.

4. Eligible household members include all related adults (aged 18 years or older), unrelated adults, boarders/roomers, live-in au pairs or students and domestic workers who consider the household their home, even though they may not be home at the time of the call. College housing residents are treated as single adult households. Household members do not include adult family members (including students) who are currently living elsewhere.

5. Questions should be read verbatim. In many cases introductory phrases are provided which should also be read as written. Interviewer instructions are optional and can be read if the respondent is confused or needs additional information. Items in parentheses in statements are also optional and may be read for clarification. Interviewers should not offer their own interpretation of questions or response options.

6. Proxy interviews are not conducted in the BRFSS. For people interviewed on landline telephones, individual respondents are randomly selected from all adults living in a household and are interviewed in accordance with BRFSS protocol. Household members include all family members, domestic servants, and au pair or live-in students who have resided at the residence for at least 3 months. Cell phone interviews are conducted with respondents who answer the number called and are treated as one-person households.

7. An interview is considered complete if data are collected for all questions which would have normally been asked for any selected respondent. Partially completed interviews are defined as those where the first sections of the interview are completed and the portions of the demographic section which are used for weighting are also asked of the selected respondent in regular order of the questionnaire. **For the 2020 questionnaire this will include through question CDEM.12 for landline respondents and CDEM.11 for cell phone respondents.** If the respondent does not provide substantive responses for weighting variables (that is, the respondent refuses to answer or responds that he/she does not know), imputed values will be generated and used only to assign weights. **If an interviewer codes a number of responses as "don't know" or "refused" just prior to cut off in order to have an interview count as a partial complete, this will be noted by the CDC staff as potential falsification of data. States should monitor data collection to ensure that the percentage of partial completes is not greater than 10% of the number of completes. A large percentage of partial completes could result in missing data**

for variables that follow the demographic sections including all optional modules. The number of partial completes which are not part of the RFP may be higher, if the state has contracted with the data collector ONLY on the number of 1100 dispositions.

8. Data collectors are responsible for ensuring that codes for refusal or DNK are not entered as data for questions which have been skipped and/or not asked due to termination/refusal/drop off.

9. With the exception of verbally abusive respondents, eligible people who initially refuse to be interviewed may be contacted at least one additional time and given the opportunity to be interviewed. Preferably, this second contact will be made by a supervisor or a different interviewer. Some states have regulations on whether refusals should be called again and the manner of the refusal conversion. For example, a period of two days between the initial refusal and second attempt is often standard protocol. Data collectors should contact the state BRFSS coordinator to determine the state's policy on calling back refusals. Some states maintain an internal list of numbers which connect to households/persons who have been particularly adamant about being taken off calling lists. Numbers from new samples are matched against these list to prevent calling the numbers. States generally maintain a number on the list for up to two years. Numbers de-duped as a result of such lists should be coded with dispositions of 3700.

10. States are required to give a final disposition for every number in the sample, usually within the same month of the sample. States should complete all calling on each monthly sample within that month. A few states receive and account for all calling on a sample on a quarterly basis rather than a monthly basis. Data collectors should contact the state BRFSS coordinator to verify whether the state is receiving a monthly or quarterly sample from CDC.

11. The BRFSS OMB number and burden statement must appear on the header page of all interviewer forms. The CDC will provide the header with the questionnaire each year. Please note that the interviewers do not need to read any part of the OMB number or burden statement to the respondents unless asked. The entire burden statement does not need to be read if the respondent is simply asking how long the interview will take. If the respondent asks for any information at any time about the authority by which information is being collected, it is imperative that the OMB approval information be available to the interviewer. The interviewer may then cite the OMB control information, which would allow the respondent to review the project plan online.

12. CDC provides the states with a Spanish translation of the BRFSS questionnaire. Unlike the English version, states may change wording of the Spanish version in order to match local dialects.

13. Each data collector must assign a unique identifier to each interviewer, so that state health departments and the CDC may conduct interviewer-level analyses. This identifier should not be assigned to other interviewers working on the BRFSS for that state.

General callback and disposition coding rules are established by CDC (see Appendix B), and states are encouraged to adhere to them whenever possible. The calling rules are not universally applicable to each state. Data collectors contracted by the states should have the capacity to adhere to the calling rules listed below as well as those to in Appendix B.

1. ***All cell phone numbers must be hand dialed.*** Data collectors should seek legal advice if they are uncertain whether their practices are in any way contradictory to the regulations.
2. Interviewers should be trained specifically for the BRFSS and retrained each year.
3. If possible, calls made to non-English-speaking households and assigned the interim disposition code of 5330 (household language barrier) should be attempted again with an interviewer who is fluent in the household language (e.g., Spanish).
4. States should maximize calling attempts as outlined in Appendix B. The maximum number of attempts (15 for landline telephone and 8 for cell phone) may be exceeded if formal appointments are made with potential respondents. There are many instances in which the maximum number of callbacks is not required. States and data collectors should refer to the callback table provided in Appendix B with this document for the required number of callbacks for each calling outcome/ disposition.
5. Calling attempts should allow for a minimum of 6 rings and up to 10 rings if not answered or diverted to answering devices.
6. The maximum number of attempts may be set by the states. CDC recommendations for the maximum number of attempts are 15 for landlines and 8 for cell phones.
7. All numbers must be assigned a final disposition. Data should not be submitted with interim dispositions.
8. Messages left on answering devices/voice mail devices should be left by interviewers. **Messages should never be left by any automated voice devices.** States may have their own standard scripts for messages, describing the reasons for the call and when respondents might expect a return call. Messages can be left after any attempt. It is not recommended that respondents be burdened by repeated messages. States should adopt protocols to leave one or two messages during the calling attempts for a single number during the calling period.
9. If a respondent indicates that they will be available for a callback at a specific time/date, appointments may be made. Data collectors may send texts reminding cell phone respondents of the appointments after receiving verbal permission to text that information.
10. States adopting the Adverse Childhood Experience (ACE) Module, should train interviewers on how to handle respondents who become upset or stressed as a result of the questions. Appendix G provides a crisis protocol to train interviewers who will be administering this module.

Using the BRFSS Sample

In some instances, states design samples within boundaries of sub-state geographic regions. States may determine that they would like to sample by county, public health district, or other sub-state geography in order to make comparisons of geographic areas with their states. To conduct the BRFSS, states get samples of telephone numbers from CDC. States then review their sampling methodology with a state statistician and CDC to make sure data collection procedures are in place to follow the methodology. States must consult with CDC before making changes to

methodology. States must maintain sample phone numbers in files that are separate from responses, in order to maintain standards of respondent confidentiality.

The BRFSS uses two samples: one for landline telephone respondents and one for cell phone respondents. State BRFSS coordinators work with CDC to produce all samples. The CDC recommends that the range of completed cell phone interviews be a minimum of 50% to a maximum of 80% of total completed interviews. The 50-80% range of cell phone interviews is set to ensure the geographic distribution of the sample (since landlines samples can be geographically distributed across the state) and to ensure that the sample is demographically representative of the state. Data collectors are ultimately responsible to states for the distribution between landline and cell phones. Since landline telephones are often shared, household sampling is used in the landline telephone sample. Household sampling requires interviewers to collect information on the number of adults living in a residence and then select randomly from all eligible adults (see questionnaire). Cell phone respondents are treated as single adult households and therefore do not require household sampling. The samples are fully overlapping, so that any eligible person in the landline frame may also be eligible in the cell phone frame. States receive the sample monthly or quarterly, approximately by the 15th. Note that the BRFSS is a sample with replacement. It is possible, therefore, for a single household/respondent to be eligible and appear in a sample more than once within a year. Some states eliminate duplicate (“de-dup”) numbers that appear within the same quarter. A state with sub-state regions that represent small areas is more likely to encounter repeat numbers in the sample. States that wish to send advance letters should request addresses with their regular landline and cell phone samples. For states that send advance letters, mailing addresses are appended to telephone numbers. Data collections should release all replicates (of 30 numbers) in the sample in the first week of each month. Those who receive samples quarterly should release them in a manner that allows for sufficient calling prior to the end of the quarter. The table below provides the format for the landline and cell phone sample files received by the states.

Field Name	Size	Position	Format/Values/Explanation
Phone Number (AREACODS, PREFIXS, SUFFIXS)	22	1-22	9,1-NNN-NNN-NNNNv20201
Geographic Stratum (_GEOSTRS)	3	23-25	First position = 1 for Landline / 2= Cell phone Then States with no geographic strata=01 in each record. Others according to provided information.
Density Stratum (_DENST2S)	1	26	1=Listed number, 2=Not listed one-plus block, 3=Zero block, 9=Not applicable (GU, PR, VI).
Sequence Number (SEQNO)	10	27-36	A unique 10-digit number for a state for a year with year in the first four digits. For example: 2015000001.

Number of Records Selected From Stratum (NRECSELS)	6	37-42	Number of telephone numbers (eligible sampling units) selected from stratum.
Number of Records in Stratum (NRECSTRS)	9	43-51	Number of telephone numbers in the stratum from which sample was selected.
Precall [GENESYS-ID] Status (PRECALLS) Landline sample	1	52	1=To be called, 3=Non-working number, 5=Business phone. (Including GU, PR, VI) 4 = Cellular – PRO-T-S, 6 = Cellular - Interviewer
Precall [Cell-WINS Screening] Status (PRECALLS) Cell phone sample	1	52	1=Active, 3=Inactive, 7=Unknown Status
Replicate Number (SMONTH, REPNUM)	6	53-58	The first two digits, 01-12, represent months, the last four digits a sequential number starting with 0001 each month.
Replicate Depth (REPDEPTH)	2	59-60	A sequential number from 01-30 in each replicate.
State FIPS Code (_STATE)	2	61-62	FIPS code of assigned state.
County FIPS Code (ASGCNTY)	3	63-65	FIPS code of assigned county. Blank=GU, PR, VI.
County FIPS Code of Listed Number (LISTCNTY)	3	66-68	For listed numbers, FIPS code of the county in which number is located. For not listed numbers=999. Blank=GU, PR, VI, and cell phone sample
Number of Landline Assignments in 1K Blocks in Assigned County (NOHHCTY)	4	69-72	Number of Landline Assignments in 1K Blocks that are in assigned county. Blank=GU, PR, VI, and cell phone sample
NXX Type (NXXTYPE)	2	73-74	Blank
Number of Landline Assignments in 100 series bank (BLCKSIZE)	3	75-77	Number of landline assignments in hundred block=000-100. Blank=GU, PR, VI, and cell phone sample
Number of Landline Assignments in 1K Block (LSTHHPRE)	5	78-82	Number of Landline Assignments in 1K Block Blank=GU, PR, VI, and cell phone sample
Estimated Total Households in Prefix (TOTHHPRE)	5	83-87	BLANK
Core Based Statistical Area	5	88-92	99999=Not in an MSA.

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(CBSACODE)			Blank=GU, PR, VI, and cell phone sample
Metropolitan Status Code (MSCODE)	1	93	1=In the center city of an MSA, 2=Outside the center city of an MSA but inside the county containing the center city, 3=Inside a suburban county of the MSA, 4=In an MSA that has no center city, 5=Not in an MSA. Blank=GU, PR, VI.
Rate Center Name (RCNAME) Cell phone only	30	94-123	Rate Center Name (RCNAME)
V&H Coordinate (VNHCOORD)	10	124-133	BLANK
Date Sample Generated (DATESMP)	10	134-143	mm/dd/yyyy
Pre-screening Process Used (PRESCREEN)	1	144	0= Not screened 1=ID 2=ID Plus 3 = CSS, 4 = Cell
Date Sample Pre-screened (DATESCRN)	10	145-154	mm/dd/yyyy
Release Date of Active Prefix Database (PHNRLDAT)	10	155-164	mm/dd/yyyy Blank= cell phone sample
Release Date of Listed Phone Number Database (LSTRLDAT)	10	165-174	mm/dd/yyyy Blank=GU, PR, VI, and cell phone sample.
CLEC Number (CLEC)	1	175	1=Yes, 2=No. Blank=GU, PR, VI, and cell phone sample.
Replicate designated for inclusion in Multi-Mode Mail Survey and address match status (MSREPMCH) Landline only	1	176	Blank = All States
Time Zone	1	177	Eastern = 7, Central = 6, Mountain = 5, Pacific = 4, Alaska = 3, Hawaii =2 Blank= cell phone sample
Blank	1	178	Blank
Listed in one of the following Databases: InfoUSA, Experian,	1	179	1=Yes, 2=No. Blank=GU, PR, VI, and cell phone sample.

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(DIRLST)			
Secondary Screening Flags	1	180	0/Undetermined/Residential 1/ No Answer 2/ Busy 3/ Fax/Modem 4/ Language Barrier 5/ Privacy Manager 6/ Residential Voice Mail 7/ Residence/Phone Answered 8/Cellular Number 9/Business/Non-Working Blank= cell phone sample
Indication of Address Matching Landline only	1	181	1=Matched 2=Not matched Blank=GU, PR, VI, and cell phone sample
Path variable (PATH) used to help identify which questionnaire is used when there are dual questionnaires. (States may update this variable to use for multiple paths in split samples)	2	182-183	10 = Default Genesys value Landline Survey Sample 20 = Default Genesys value Cell Phone Survey Sample
Note: Monthly files will be sorted by stratum, replicate, and depth. The order of numbers within a replicate will be randomized before assignment of depth numbers. All numeric fields are right aligned and padded with leading zeros. All character fields are left aligned with trailing blanks.			

Each phone number is assigned a precall status to indicate whether the number should be called. States may opt to call landline telephone numbers with precall status >1 but are not required to do so. States may also choose not to call landline numbers from the unlisted portion of the sample with precall status = 1 which also have secondary screening status as fax/modem lines or are listed as “busy” by the precall screener. States are not required to call cell phone sample numbers with an “inactive” precall status, but may choose to do so. States should call all cell phone numbers with active and unknown precall status in the cell phone samples. Given that the precall status indicates the potential for reaching an eligible respondent, calling landline numbers with precall >1 or cell phone numbers with inactive precall status may reduce response rates. States may also use the secondary precall status to assign bilingual interviewers to numbers with language barrier precall assignments, or make extra efforts to reach numbers which have precall status indicating residence/household status. **In 2020, landline phone numbers will be differentiated in the sample as precall > 1 if a technical review indicates that the number is never answered or a business. This should reduce the calling efforts for landline no answers, which typically represent more than half of the final dispositions for landline sample. In 2020 the number and percentage of landline numbers in the sample will be reduced substantially for many states. Although the BRFSS will maintain the landline sample for several more years, it will eventually be phased out of the sampling process. For some states landline numbers are an important way to ensure that rural residents are included in the sample. As cell phone sampling**

improves in terms of geographic specificity, the need for landline numbers in the sample will diminish. The 2020 landline sample will also include fewer unlisted numbers (that is that the numbers are not from unlisted blocks). During the course of the year, if internal checks on the use of listed blocks shows that it is feasible, numbers from unlisted blocks may be eliminated from the sample. Data collectors should not change their practices for calling landline numbers in the sample until such a determination is made.

The landline sample is taken from listed and unlisted numbers at a ratio of 1:2. The ratio has changed from previous years, when it was 1:1.5, due to the changes in stability of the landline samples. NOTE: The number of callbacks required on the landline sample is different based on the density strata. Numbers from the low density strata have eight required callbacks, while those on the high density strata should be called 15 times. Please see the callback rules table provided in Appendix B for information on the number of required callbacks for each calling outcome/disposition.

States that request addresses may send advance letters to those households to alert them to the fact that they will be receiving calls and the nature of the survey. States may include a toll free number for potential respondents to inquire about the BRFSS. Studies have shown that the use of advance letters does improve response rates. However, the proportion of the landline sample that is accurately matched to addresses is declining. Currently about 20-30% of the landline sample is accurately matched to an address. **In 2020 the BRFSS will also support sending advance letters to cell phone respondents. The ability to match cell phone numbers to addresses is improving, but states should only expect about 20-23% of cell phone numbers to match correctly to addresses. Since the cell phone sample is at the individual rather than household level, letters should specify which phone number connected to that address has been chosen. In order to maintain confidentiality, it is required that only portions of the phone number (such as the last four digits) be noted in the advance letters for cell phone respondents. The CDC will make every effort to provide addresses for advance letter as early as possible during each month. Data collectors should note that the cell phone sample is appended with landline numbers which have been ported to cell phone in previous months. Therefore the landline sample files may arrive earlier in the month than cell phone samples. Data collectors should speak to their BRFSS state coordinators about advance letters.**

Samples for US territories differ from those from the states. BRFSS coordinators in US territories may deviate from the calling and sampling guidelines to fit the data needs of their jurisdictions. Data collectors should work closely with state BRFSS coordinators to ensure that the sample is properly managed. CDC will provide quarterly sample productivity tables on the upload/download site to alert the state coordinators of any problems with sample management.

Data collectors can track samples and productivity using the YTD Data Quality Reports (DQR) available with assigned logins on the upload site. **Appendix F provides information on how to interpret information provided in the YTD Reports.** The following table of contents lists the information available in the YTD Data Quality Reports. Changes in the information provided in the DQRs may change according to the needs of the data collectors and state coordinators. A short tutorial for using and understanding the YTD Data Quality Reports is found in Appendix F.

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BRFSS Coordinators and Data Collectors may attend training on using the YTD reports and Uploading Data at the annual BRFSS Questionnaire Meeting.

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Summary Data Quality Reports are also available on the BRFSS website for previous years. States may compare their data productivity to that of other states in the summary reports, but will not have access to the YTD reports from other states.

Data Submission

CDC will provide a data layout file for monthly data submission. The BRFSS provides a data submission website to be used for uploading states' data and monitoring the progress of processing. Access to this site is limited and requires a login accepted by CDC. Details on data submission are included in Appendix D: Uploading BRFSS Data Using OneEdits. Note that 2016 was the first year that OneEdits software will be used for data submission, so procedures have changed recently. Data collectors should download and run edit fix programs from the upload site prior to submitting data. Errors in submitted data will delay processing and may result in data sets being returned to states for corrections. Monthly data submission is preferable

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(and required during flu season, September-June). Data for each should be submitted by the 25th of April, July, October and January, respectively. Following the quarterly submissions, states will receive a data file for checking. Appendix E outlines the steps in submission of data files that have been cleaned through OneEdits.

Data Sharing, Security and Rights to the Datasets

State and territorial health departments are the owners of the datasets. Data Collectors which are contracted by health departments have NO data rights and should not share or publish from state data sets without written permission. States should consider carefully before permitting use of data which are not part of the public use dataset. Persons seeking access to county code information, industry and occupation information or other variables which are not part of the public use dataset may apply for access through the CDC Research Data Center (RDC) at <https://www.cdc.gov/rdc/index.htm>.

While the Privacy Act is not applicable, the appropriate security controls and Rules of Behavior should be incorporated to protect the confidentiality of information, proprietary, sensitive, and Personally Identifiable Information (PII) the data collector may come in contact with during the BRFSS data collection process.

As is noted elsewhere in this document, sample files and response files should not be merged or linked. Data collections should transmit data only through the upload sites provided by CDC and not by email attachments or other means. Data collectors should maintain the most recent virus protections, operating systems patch levels and other security measures to all computers used to collect BRFSS data. While computers used for CATI data collection are not in all cases accessible to the internet, data collectors should ensure that access to data using flash drives or other devices is restricted to authorized individuals for authorized purposes.

Sample files should not be retained past the data of final use for BRFSS purposes. BRFSS sample file use is restricted to completion of BRFSS data collection and data collection for BRFSS call-back surveys. BRFSS sample files are not to be used for any other or subsequent purpose. Data collectors may not obtain permission for such use from respondents and are restricted from soliciting BRFSS respondent to take part in other surveys, internet panels or any other related use.

Data collectors should not retain sample or data files beyond the time that is necessary to finalize data. During the time that datasets are retained by data collectors, they should meet all security requirements for data storage and firewalls that are included in the most current BRFSS OMB approval. Data collectors may choose to configure computers that contain BRFSS data with the applicable United States Government Configuration Baseline (USGCB) (see <http://usgcb.nist.gov/>). Note: USGCB is applicable to all computing systems, including desktops and laptops—regardless of function—but not including servers.

State Pilot Projects Using Protocol Adjustments

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At any time during the data collection process, states may make greater efforts to reach respondents than the protocols listed here. These efforts may include increasing the number of attempts, increasing the ring times, calling all numbers in the sample regardless of the precall status or increased interviewer monitoring or training. On occasion states may wish to make adjustments to the data collection protocol in order to test the efficiency of a new procedure. For example, in 2017, one state determined that response rates might improve if the interviewer took a more conversational tone during the introduction of the survey. The protocol adjustment was approved and the change was made and tested by the state. States, and data collectors who wish to make protocol adjustments must have written approval from CDC in order to make adjustments. State coordinators should contact their project officers and the survey operations team at the Public Health Surveillance Branch of the Division of Population

Appendix A 2020 BRFSS Questionnaire
(to be inserted)

Appendix B: Disposition Table with Callback Rules

Definitions of terms	
Respondent	An adult who is contacted by an interviewer and who may be eligible for interview.
Calling attempt	An attempt is an effort to reach a potential respondent by dialing a phone number, even if the dialing does not reach or connect with a working phone line.
Complete	An interview in which all questions are complete, including all core and module questions which would be assigned to a selected respondent.
Partial compete	An interview which in which the selected respondent has been asked all questions up to those which will be used for weighting. For the 2020 questionnaire this will include through CDEM12 for landline respondents and CDEM.11 for cell phone respondents. Questions do not have to be answered substantively to be counted as asked (respondents may have provided answers of “do not know” or refused to answer questions).
Landline telephone	A telephone that is used within a specific location. Includes traditional household telephones, VOIP and internet phones connected to computers in a household.
Cell phone	A mobile device that is not tied to specific location for use and uses cell towers to connect users.
Selected respondent	An adult who is eligible for interview. For the cell telephone sample a selected respondent is an adult associated with the phone number who lives in a private residence or college housing within the US or territories covered by the BRFSS. For the landline telephone sample a selected respondent is the person selected for interview during the

	household enumeration section of the screening questions.
Calling occasions	There are three calling occasions: weekday (before 5:00 pm on a weekday); weeknight (after 5:00 pm on a weekday), and; weekend (any time on Saturday or Sunday).
Personal Cell phone	A cell phone that is used for personal calls. Cell phones that are used for both personal and business calls may be categorized as personal telephones and are eligible for interview. Telephones that are used exclusively as business phones are not personal telephones and, therefore, are not eligible for interview.
Private residence	A non-institutionalized residence in which adults persons aged 18 and over reside at least 30 days per year that has a separate entrance and cooking capabilities. It may also be college housing, such as a dormitory, fraternity or sorority house, campus sponsored housing or college family housing, or international student or visiting faculty housing. Personal RVs may be private residences. Group homes, military barracks, vacation homes that are not lived in for 30 days, or other temporary housing are not private residences. The determination of private residence is primarily made by the respondents. If the respondents indicate that they live in private residences, interviewers do not question their interpretation of their living situations.

<u>Disposition Code</u>	<u>Description</u>	<u>Definition</u>	<u>Range of Number of Attempts</u>	<u>Callback Rules</u>
1100	Complete	Assign if selected respondent	1-15	

		completes questionnaire.	attempts (landline) 1-8 attempts (cell phone)	
1200	Partial complete	Assign if selected respondent completes demographic questions that are used for weighting. For the 2020 questionnaire this will include through question CDEM12 for landline respondents and CDEM.11 for cell phone respondents.	1-15 attempts (landline) 1-8 attempts (cell phone)	Selected respondent may be called back to fully complete the interview. Give final disposition on 15 th or subsequent call attempt even if there is only one occurrence of a refusal or termination.
2111	Household level refusal (landline telephone only)	Assign for landline telephone only if refusal after confirmation of reaching household telephone line used by adults in correct state but before household selection and core BRFSS Q1 in landline telephone. Refusal can be from any member of the household (note: if refusal by selected respondent use code 2112). Automated messages should not count as refusals.	1-15 (8) attempts (landline) 1-8 attempts (cell phone)	May be assigned after one attempt if hard refusal or special circumstance. Assign after maximum number of attempts and at least one interim disposition of 5111 (household level refusal).
2112	Selected respondent refusal	Assign if refusal by selected respondent before core BRFSS Q1 is answered by landline telephone. Automated messages should not count as refusals. Assign if cell phone respondent refuses after number determined to be personal phone and respondent confirms living in private residence or	1-15 (8) attempts (landline) 1-8 attempts (cell phone)	May be assigned after one attempt if hard refusal or special circumstance. Assign after maximum number of attempts and at least one interim disposition of 5112 (respondent refusal).

		college housing.		
2120	Break off/ termination within questionnaire	Assign if selected respondent has completed portions of Core BRFSS with responses other than “don’t know” or “refused’ and terminates/breaks off prior to the last question used for weighting (in the demographics section). (NOTE: If respondent completes questionnaire through weighting questions, code 1200.)	1-15 (8) attempts (landline) 1-8 attempts (cell phone)	May be assigned after one attempt if hard refusal or special circumstance. Assign after maximum number of attempts with at least one interim disposition of 5120 (break off/termination).
2210	Selected respondent never available	Assign if selected respondent is never available during sample period. Selected respondent may not have been contacted or contacted and asked to be called later. Includes repeated unsafe location for interview, respondent away during period of interview, respondent not available for appointment. Includes selected respondents who die during interview period.	1-15 (8) attempts (landline) 1-8 attempts (cell phone)	Give final disposition when notified or after at least 5 calling occasions of no more than 3 attempts with at least 3 weekday, 3 weeknight and 3 weekend calls for landline telephone. Cell phone respondents may be called up to 8 times, with at least 2 weekday, 2 weeknight and 2 weekend attempts. Assign after maximum number of calling attempts with at least one interim disposition of 5100 (appointment), or 5560 (unsafe location).
2320	Selected respondent physically or mentally unable to complete interview	Assign if selected respondent is unable to complete interview due to physical or mental impairment. This includes temporary conditions such as bereavement, which will	1-6 attempts	Assign the first time a <u>selected respondent</u> is contacted or is described by someone else as physically or mentally incapable of

		last beyond the interview period.		completing survey or the second time a respondent who is physically or mentally impaired is contacted.
2330	Language barrier, selected respondent	Selected respondent does not speak English or other language for which interviewers are available. (NOTE: If language barriers prevent completion of respondent selection, assign code 3330 (language barrier, physical or mental impairment).	1-6 attempts	Assign the first time a selected respondent is contacted or is described by someone else as not speaking English or other language (i.e. Spanish) for which interviewers are available.
3100	Unknown if eligible	Assign if hang up or call back request without confirming private residence/college housing or age of respondent (landline telephone and cell phone).	1-15 (8) attempts (landline) 1-8 attempts (cell phone)	Give final disposition after second hang-up / call back request / termination or when a first time hang up will not be called back because of hard refusal or special circumstances and when household eligibility is NOT established . If the first occurrence is on 15 th attempt, give final disposition. Assign after maximum number of attempts with at least one interim disposition of 5050 (hang up, unknown if housing unit).
3130	No answer	Assign if telephone rings normally but no one answers.	6-15 (8) attempts	Give final disposition after at least 5 calling occasions of no more than 3 attempts with at least 3 weekday, 3 weeknight and 3 weekend

				calls for landline telephones. Cell phone respondents may be called up to 8 times, with at least 2 weekday, 2 weeknight and 2 weekend attempts. Assign after maximum number of attempts with plurality of interim dispositions of 5130 (no answer).
3140	Answering device, unknown whether eligible	Assign if a mailbox is full or not yet established. Assign if answering device leaves open the possibility that the telephone number is not a residence or that the respondent is not eligible due to age.	10-15 (8) attempts for landline telephones; up to 8 attempts for cell telephones	Give final disposition after at least 5 calling occasions of no more than 3 attempts with at least 3 weekday, 3 weeknight and 3 weekend calls for landline telephones. Cell phone respondents may be called up to 8 times, with at least 2 weekday, 2 weeknight, and 2 weekend attempts. Assign after maximum number of attempts with plurality of interim dispositions of 5140 (answering device, unknown if eligible residence or respondent).
3150	Telecommunication barrier	Assign if call blocking, call ID requirements or other respondent initiated block device leaves open the possibility of the number reaching an eligible household and/or respondent. Assign if call	1-6 attempts	Give final disposition after up to 3 calling occasions of no more than 2 attempts with at least 2 weekday, 2 weeknight, and 2 weekend calls for landline telephones.

		forwarded to other number and there is some potential for reaching household or actual respondent at later time.		Cell phone respondents may be called up to 6 times, with at least 2 weekday, 2 weeknight and 2 weekend attempts. Assign after maximum number of attempts with at least one interim disposition of 5150 (telecommunication barrier) and all others noncontact.
3200	Household, not known if respondent eligible	Assign for landline telephone sample if private residence confirmed without selecting respondent. (NOTE: If contact is made and <u>household eligibility is unknown</u> , use code 3100). Contact with vacation home may apply. Contact with household where residents are away for interview period may apply. Assign for cell phone if contact is made with household resident without determining whether cell phone number and respondent are eligible.	1-15 (8) attempts (landline) 1-8 attempts (cell phone)	Give final disposition after second hang-up/ termination or when a first time hang up will not be called back because of hard refusal or special circumstances and when respondent eligibility is NOT established . If the first occurrence is on 15 th attempt, give final disposition. Assign after maximum number of attempts with at least one interim disposition of 5050 (hang up, unknown if respondent eligible).
3322	Physical or mental impairment (household level)	Assign if physical or mental impairment prevents determination of private residence or prevents determination of eligibility of household or resident. This is a household level assignment. If selected respondent is physically	1-6 attempts	Assign after maximum number of attempts with at least one interim disposition of 5320 (physical or mental impairment).

		or mentally impaired, assign 2320 after first attempt.		
3330	Language barrier, (household level)	Assign if language barrier prevents determination of private residence or prevents determination of eligibility of household or resident. This is a household level assignment. If selected respondent has language barrier assign 2330 when informed. Information may come from respondent or other household member.	1-6 attempts	Assign after maximum number of attempts with at least one interim disposition of 5330 (household language barrier). Do not assign if there are interviewers within the calling center who could complete the interview in language spoken by household (i.e. Spanish).
3700	On never call list	Assign only if supervisor can determine that respondent/ household is on never call list. Interviewer should not assign based on respondent information. (NOTE: If respondent insists that he/she is on never call list assign household level refusal (2111) or respondent refusal (2112).	No attempt	Assign with confirmation by supervisor. Interviewer should not assign based on respondent information.
4100	Out of sample	Assign if out of state for landline telephone or out of country for cell phone. Assign if indication that number reaches vacation home or household members are not living in home during interview period. (NOTE: If contact is made with respondent who indicates that they have been reached at their vacation home where they live for at least 30 consecutive days per year, interview can continue).	1-15 (8) attempts (landline) 1-8 attempts (cell phone)	Assigned as soon as sample ineligibility determined. This should take priority over other final dispositions.

		<p>Assign if no adults available on landline number (teen phone).</p> <p>Assign if landline telephone sample number connects to cell phone or if sample indicates that a number in the landline telephone sample has been ported to a cell phone.</p>		
4200	Fax/data/modem	Assign if call reaches fax or data line without human contact.	1-6 attempts	<p>May be assigned to landline unlisted sample with secondary precall status of fax. May be assigned after one attempt. If states choose to use 6 attempts, give final disposition after recommendation for 3 calling occasions with 2 weekday, 2 weeknight and 2 weekend calls for landline telephones. If states choose to use 6 attempts, cell phone respondents may be called up to 6 times, with recommendations for 2 weekday, 2 weeknight, and 2 weekend attempts. If 6 attempts are used, assign after maximum number of attempts with at least one interim disposition of 5200 (fax/data/modem) and all others noncontact with any person.</p>

4300	Nonworking number/ disconnected	<p>Assign if tritone. Assign if operator message of nonworking number. States may choose to assign for temporary nonworking number message on first attempt or after repeated temporary nonworking number messages. Assign if “number changed” message. Assign if correctly dialed number rings to incorrect number. Assign if respondent reports that connection has been made to wrong number. A number that does not accept incoming calls (such as a hospital line only used for outgoing calls)</p>	<p>1-6 attempts. Do not call more than 6 attempts.</p>	<p>May be precall assigned (for both landline and cell phone). May be assigned after one attempt. If states use 6 attempts, give final disposition after recommendation for 3 calling occasions with 2 weekday, 2 weeknight, and 2 weekend calls for landline telephones. Cell phone respondents may be called up to 6 times, with recommendations for 2 weekday, 2 weeknight, and 2 weekend attempts. Assign after maximum number of attempts with at least one interim disposition of 5400 (technological barrier), 5300 (possible nonworking) or 5550 (busy) and all others noncontact.</p>
4400	Technological Barrier	<p>Assign if repeated busy, fast busy or circuit busy messages. Assign if repeated ambiguous operator messages. Assign if repeated poor audio quality. Assign if number repeatedly does not connect.</p> <p>Assign if number reaches a retrieval or connectivity system (such as Skype or OnStar).</p>	<p>1-6 attempts. Do not call more than 6 attempts.</p>	<p>May be assigned to landline unlisted sample with secondary precall status of busy. May be assigned after one attempt. If states use 6 attempts, give final disposition after recommendation for 3 calling occasions with 2 weekday, 2 weeknight, and 2 weekend calls for landline telephones.</p>

		Assign if cell phone respondent is outside calling area. Assign if respondent is unable to receive calls. DO NOT assign if answering device (which permits leaving messages) is reached.		Cell phone respondents may be called up to 6 times, with recommendations for 2 weekday, 2 weeknight, and 2 weekend attempts. Assign after maximum number of attempts with interim dispositions of 5200 (fax/data/modem), 5400 (technological barrier), 5300 (possible nonworking) and/or 5550 (busy) and all others noncontact.
4430	Call forwarding / pager	Assign if <u>message</u> indicates number has been forwarded. Assign if number reaches a pager. Assign if connection produces series of beeps. NOTE: Do not select respondents from landline household or location that is different from the original number. Do not enumerate the number of adults at location which is different from original number. <u>However, landline respondent may be interviewed if number has been temporarily forwarded and the respondent is still living at location of original number.</u> Cell phone respondents who have forwarded their numbers may also be interviewed.	1-6 attempts. Do not call more than 6 attempts.	May be assigned after one attempt. May give final disposition after respondent or automated message informs that the number has been forwarded after multiple attempts. May give final disposition after series of beeps indicates a pager has been reached. If states use 6 attempts, give final disposition after recommendation for 3 calling occasions with 2 weekday, 2 weeknight, and 2 weekend calls for landline telephone. Cell phone respondents may be called up to 6 times, with recommendations for 2 weekday, 2 weeknight, and 2

				weekend attempts.
4460	Landline telephone (cell phone only)	Assign if cell phone sample number connects to a landline telephone.	1-15 (8) attempts (landline) 1-8 attempts (cell phone).	Can be precall assigned. Given final disposition when informed. This disposition should take priority over other possible final dispositions for the cell phone sample.
4500	Non-residence	Assign if business, group home, government, or other organization. For cell phone, assign if telephone is used exclusively for business purposes.	1-15 (8) attempts (landline) 1-8 attempts (cell phone)	Given final disposition when informed. This disposition should take priority over other possible final dispositions. This disposition should be assigned to numbers with a precall status of 5.
4900	Miscellaneous, non-eligible	Assign for null numbers, special data circumstances only. May be assigned if data are believed by state coordinator or data collection supervisor to be falsified or in error. Notify CDC when this code is used.	1-15 attempts (landline) 1-8 attempts (cell phone)	May be assigned after one attempt. Assign only with supervisor approval.
5050	Unknown whether eligible	Respondent hangs up or refuses before establishing eligibility. <u>The state location question is not needed to establish eligibility for cell phone respondents.</u>		Give interim disposition when this occurs. Call back after an interval of at least one day until maximum call attempts are reached.
5100	Appointment	Respondent asks for an appointment or asked to be called at some other time. Assign if child answers the phone and does not get an adult to come to the phone.		Schedule a callback for appropriate time.

		Appointments may be formal or informal statements that the respondent is temporarily not able to complete the interview from household members or selected respondent.		
5111	Household level refusal (landline telephone only)	Assign for landline telephone only if refusal after confirmation of reaching household phone line used by adults in correct state but before core BRFSS Q1 in landline telephone. Refusal can be from any member of the household (note: if refusal by selected respondent, use code 2112). Automated messages should not count as refusals.		Give interim disposition when this situation occurs. Call back after an interval of at least one day. May assign final disposition of 2111 if hard refusal.
5112	Selected Respondent refusal: hang up or termination	Assign if refusal by selected respondent before Core BRFSS Q1 in landline telephone. Automated messages should not count as refusals. Assign if cell phone respondent refuses after number determined to be personal (nonbusiness) phone and respondent confirms living in private residence or college housing.		Give interim disposition. Schedule callback for as long as practical for up to two weeks after initial refusal.
5120	Break off / termination in questionnaire	Assign after respondent completes through Core BRFSS Q1 with an answer other than "don't know/not sure" or "refused" but breaks off prior to end of demographic		Give interim disposition when this situation occurs. Call back after an interval of at least one day.

		section.		
5121	Call dropped	Assign for cell phone respondent if call is dropped.		Give interim disposition when this situation occurs. Call back may occur immediately or rescheduled after an interval of one hour.
5130	No answer	Assign if number rings normally without answer.		Give interim disposition when this occurs. Call back after an interval of at least one hour until maximum call attempts are reached.
5140	Answering device, unknown whether eligible	Assign if a mailbox is full or not yet established. Assign if answering device whether or not the message leaves open the possibility that the telephone number is not a residence or that the respondent is not eligible due to age.		Give interim disposition when this occurs. Call back after an interval of at least one hour until maximum call attempts are reached.
5150	Telecommunication barrier	Assign if call blocking, call ID requirements or other respondent initiated block device leaves open the possibility of the number reaching an eligible household and/or respondent. Assign if call forwarded to other number and there is some potential for reaching household or actual respondent at later time.		Give interim disposition when this occurs. Call back after an interval of at least one hour until maximum call attempts are reached.
5200	Fax/data/modem	Assign if number connects to data or fax line without human contact.		States may assign final disposition of 4200 at any attempt, including the first

				attempt. If states choose to call up to 6 attempts, give interim disposition and schedule callback after an interval of at least one day.
MOVE THESE TO 5140				
5300	Possible nonworking	Assign if message indicates number might be nonworking. Assign if recorded message indicates number is temporarily out of service. Assign if message indicates telephone number cannot be reached at this time. Assign if recording indicates that the number is for outgoing calls only (such as a hospital line for outgoing calls only).		States may assign final disposition of 4300 at any attempt including the first attempt. If states choose to call up to 6 attempts, give interim disposition and schedule callback after an interval of at least one hour.
5320	Physical or mental impairment	A household respondent or selected respondent is temporarily unable to be interviewed due to physical or mental impairment. NOTE: If <u>selected respondent</u> has permanent physical or mental impairment that renders him/her unable to complete the interview, assign final disposition of 2320 (physical or mental impairment) as soon as informed.		Give interim disposition when this occurs. Call back after an interval of at least one day until maximum call attempts are reached.
5330	Language barrier	Assign if a respondent who is not the selected respondent does not		Give interim disposition when this occurs. Call back after

		<p>speak English or other language for which an interviewer is available. (NOTE: If <u>selected respondent</u> does not speak English or language for which there is an interviewer available, give final disposition of 2330 as soon as informed.)</p>		<p>an interval of at least one day until maximum call attempts are reached.</p>
5400	Technological barrier	<p>Assign if fast busy or circuit busy messages. Assign if ambiguous operator messages.</p> <p>Assign if number reaches a retrieval or connectivity system (such as Skype or Onstar).</p> <p>Assign if poor audio quality. Assign if number does not connect. Assign if cell phone respondent is outside calling area. Assign if respondent is unable to receive calls. DO NOT assign if answering device (which permits leaving messages) is reached.</p>		<p>States may assign final disposition of 4400 at any attempt. If states choose to call up to 6 attempts, give interim disposition and schedule callback after an interval of at least one day.</p>
5550	Busy	<p>Assign if number produces normal busy (not fast busy) signal.</p>		<p>States may assign final disposition of 4400 at any attempt. If states choose to call up to 6 attempts, give interim disposition and schedule callback after an interval of at least one hour.</p>
5560	Unsafe location/ activity	<p>Assign if respondent indicates</p>		<p>Give interim disposition when</p>

	for interview	he/she unable to continue due to safety concerns. May be assigned to numbers in cell phone or landline phone sample.		this occurs. Schedule a callback time or call back after an interval of at least one hour until maximum call attempts are reached.
5700	Supervisor attention	Assign if special circumstances require supervisor attention		Assign only for special circumstances.
5900	Null attempt	Assign only with supervisor approval for special data circumstances.		Assign only with supervisor approval for special data circumstances.

Appendix C: Understanding Coding for Technological / Telecommunication Barriers

Introduction

The Ci3 2015 BRFSS survey programming includes four-digit disposition codes. Disposition code changes resulted from the move toward the standards of the American Association of Public Opinion Research (AAPOR), the increased diversity of types of telephones in the sample, and the rapid changes in telephone usage.

This document provides a quick overview of the differences between Technological Barriers and Telecommunication Barriers, and Phone Circuit Messages and Answering Device Messages. It also provides examples of Phone Circuit messages and Answering Device messages with comments on their proper coding. The number and variety of messages that phone companies use are changing rapidly. The lists provided here are not comprehensive, but they are intended to give an overview of coding for commonly heard messages. This list was developed following discussions with data collectors at the 2013 BRFSS conference, and amended after discussions in 2015.

Definitions of Technological Barriers, Telecommunication Barriers, Phone Circuit Messages and Answering Devices

One challenge with BRFSS disposition codes is the differentiation between a Telecommunication Barrier [5150] and a Technological Barrier. [5400]. The differences between these codes are based on whether the respondent initiates the barrier (Telecommunication Barrier) or the barrier is due to something outside of the control of the respondent (Technological Barrier). Technological Barriers may be due to the carrier or problems in the circuits or with the type of

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telephone. Technological barriers may also be due to a connection to a system that is not used as a phone, but a connectivity system itself, such as Skype.

Keep in mind that a Technological Barrier will be coded as ineligible while a Telecommunication Barrier is coded as unknown eligibility. Also remember that clear messages for non-working numbers should be coded as final disposition nonworking number (4300) or possible nonworking number (interim code 5300). Personal answering devices should not be coded as a Technological Barrier.

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Telecommunication Barriers vs. Technological Barriers

Technological Barrier (5400 or 4400): A Technological Barrier is either:

- a) a telephone # that does not behave like a telephone line but instead acts like some other device (pager, alarm system, etc.); or
 - b) a NON-connecting telephone line that a telephone owner cannot answer (fast busy, circuit busy, etc.);
 - c) a retrieval or connectivity system (such as Skype or Onstar).
- or
- c) a line with an ambiguous phone circuit message.

Telecommunication Barrier (5150 or 3150): A Telecommunication Barrier is a device or service on the end of a telephone line put by the telephone line owner to block incoming calls. This type of barrier includes call blocking devices or requirements for codes prior to connection but does not include personal answering devices (such as voice mail). Telecommunication Barriers result from screening by potential respondents NOT by telephone companies.

Code a result as a telecommunication barrier only when there is assurance that the respondent put the block on the phone line. Otherwise, code the call as a technological barrier.

Interviewers often encounter messages from a phone company, or a phone circuit message. Phone circuit messages are not specific to a potential respondent and **DO NOT ALLOW INTERVIEWERS TO LEAVE MESSAGES**. Answering devices, on the other hand, do allow for interviewers to leave messages, unless the mailbox is full. Answering devices are set up by respondents or are specific to their telephone numbers. Even if a recorded message is heard on the answering device, it is still specific to that number and should be coded appropriately.

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Phone Circuit Messages vs. Answering Devices

Phone Circuit Messages: A phone circuit message is produced by a telephone company. It is not specific to a potential respondent. Phone circuit messages do not permit interviewers to leave messages for potential respondents. Phone circuit messages may result in technological barrier dispositions (5400 or 4400), nonworking number dispositions (5300 or 4300) or other ineligible dispositions.

Answering Devices: Answering devices must allow interviewers to leave messages or indicate that a specific mailbox is full. An answering device is specific to a potential respondent, even if it is a recorded message. For example, a recording which indicates that the interviewer has reached a specific number and allows the interviewer to leave a message is an answering device, not a phone circuit message. Codes for answering devices are 5140 and 3140 regardless of whether the number is in the landline or cell phone sample. .

Code a result as an answering device only if the interviewer has the potential to leave a message (or if the mailbox is full).

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Examples of Messages and Coding Suggestions

Sometimes it is difficult to tell if a number is non-working or if there is a technological barrier. If the number is identified as purely non-working (you get an operator message that says it's non-working) then use a non-working disposition code (either final non-working [4300] or possible non-working [5300]). CATI centers should define how strong the message needs to be to decide between final [4300] and possible [5300] non-working. The table below illustrates some common phone circuit messages that have been reported by states in the recent months. We have provided suggested coding for each message. This list is not exhaustive and it is likely that data collectors will continue to hear ambiguous messages in the future. Keep in mind the general rule that technological barriers are outside the control of the respondents, while telecommunication barriers are specifically placed by the respondents to block calls.

Table 1 Common Phone Circuit Messages		
Phone Circuit Message	Comment	Suggested Coding
You have reached the (XXX) Telecom voice messaging service. If you have a mailbox on this system and would like to access it now, enter your 10-digit phone number, then press pound.	This is a number to a voicemail service, not a household.	4500--Non-residence
Tritone with and/or without a message	This message indicates that the number may not be a working number.	5300--Possible Non-working 4300--Nonworking
The number you have reached is not in service at this time.	This message indicates that the number may not be a working number.	5300--Possible Non-working 4300--Nonworking

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At the subscriber's request, this phone does not accept incoming calls.	Although this may appear to be a block, our experience with this message is that it is a hospital or group home where the phone places outgoing calls only.	5300--Possible Non-working 4300--Nonworking
Welcome to [cell phone carrier]. The number you have dialed is unassigned.	This message indicates that the number may not be a working number.	5300--Possible Non-working 4300--Nonworking
We're sorry; your call cannot be completed as dialed. If you feel you have reached this recording in error, please check the area code and the number and try your call again.	This message indicates that the number may not be a working number.	5300--Possible Non-working 4300--Nonworking
We're sorry. Your call cannot be completed as dialed. Please check the number and dial again or call your operator to help you.	This message indicates that the number may not be a working number.	5300--Possible Non-working 4300--Nonworking
The number you are trying to call is not reachable.	This message indicates that the number may not be a working number.	5300--Possible Non-working 4300--Nonworking
Your call has been connected to a vacant number series. Please check the number and dial again or call an operator to assist you.	This message indicates that the number may not be a working number.	5300--Possible Non-working 4300-Nonworking
The number you dialed is not a working number. Please check the number and dial again.	This message indicates that the number may not be a working number.	5300--Possible Non-working 4300--Nonworking

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The number or code you have dialed is incorrect. Please check the number or code and try again.	This message indicates that the number may not be a working number.	5300--Possible Non-working 4300--Nonworking
The mobile customer you have dialed has turned the unit off or is outside its service area.	Note that this message indicates that the call may not be blocked by the respondent but by the lack of phone coverage; therefore, this message still may be coded as a technological barrier.	5400--Technological Barrier 4400--Technological Barrier
The subscriber you have dialed is not available or has traveled outside the coverage area. Please try you call again later.	Note that this message indicates that the call may not be blocked by the respondent but by the lack of phone coverage. Therefore this message still may be coded as a technological barrier.	5400--Technological Barrier 4400--Technological Barrier
The person you are calling cannot accept calls at this time. We're sorry for any inconvenience this may cause.	The potential respondent could not answer this call, even if he/she wanted to; therefore, it is a technological barrier.	5400--Technological Barrier 4400--Technological Barrier
The mobile number you dialed is unavailable. Please try your call again later.	The potential respondent could not answer this call, even if he/she wanted to therefore it is a technological barrier.	5400--Technological Barrier 4400--Technological Barrier
Welcome to (cell phone carrier). The wireless customer you called is not available at this time. Please	The potential respondent could not answer this call, even if he/she wanted to; therefore, it is	5400--Technological Barrier 4400-Technological Barrier

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try your call again later.	a technological barrier.	
The person you are trying to reach is not accepting calls at this time. Please try your call again later.	The potential respondent could not answer this call, even if he/she wanted to therefore it is a technological barrier.	5400--Technological Barrier 4400--Technological Barrier
The subscriber is off line. Please call again later.	The potential respondent could not answer this call, even if he/she wanted to; therefore, it is a technological barrier.	5400--Technological Barrier 4400--Technological Barrier
The person you have called is not available right now. Please try again later.	The potential respondent could not answer this call, even if he/she wanted to therefore it is a technological barrier.	5400--Technological Barrier 4400- Technological Barrier
The party you are calling is currently unavailable.	The potential respondent could not answer this call, even if he/she wanted to; therefore, it is a technological barrier.	5400--Technological Barrier 4400--Technological Barrier
The person you have dialed is not able to receive calls at this time.	The potential respondent could not answer this call, even if he/she wanted to; therefore, it is a technological barrier.	5400--Technological Barrier 4400- Technological Barrier
The (cell phone carrier) number you dialed does not subscribe to voicemail services.	This appears to be a working number without voicemail set up.	5130--No Answer 3130--No Answer
The number you have reached has not yet set up voicemail services.	This appears to be a working number without voicemail set up.	5130--No Answer

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The mobile customer you have dialed has turned the unit off.	Because this is a clear message that the call has been blocked by an action of the respondent, it is a telecommunication barrier.	5150--Telecommunication Barrier 3150--Telecommunication Barrier
Please enter your PIN to be connected.	Because this is a clear message that the call has been blocked by an action of the respondent, it is a telecommunication barrier	5150--Telecommunication Barrier 3150--Telecommunication Barrier

An answering device is differentiated from a phone circuit message in that it offers the interviewers the possibility to leave a message. In some cases, the answering device indicates that the number dialed has reached a residence. In other cases, messages from answering devices are less specific or seem to indicate that the answering device is attached to a business. Care should be taken to ensure that coding from answering device messages is accurate. Moreover, messages from cell phone sample answering devices are coded differently in some cases than are messages from landline sample answering devices. As in the past, assigning a disposition code for a message from an answering device before the household selection is complete will cause a prompt to be displayed. This prompt asks if the message includes “home,” “house,” “family,” “residence” or a family name. It is important to answer this question correctly.

The table below explains the coding for the four answering device codes.

Table 2 Assigning Codes for Answering Devices		
Message	Comment	Code
A message may/may not indicate that the number is a	Assign if answering device permits the interviewer to leave a	3140--Answering device, unknown whether eligible

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<p>household in the landline telephone sample. For cell phone sample numbers use this code on all answering devices where you can leave a message.</p>	<p>message, without indication of whether the number is connected to a household or business. Assign if answering device is reached on the cell phone sample.</p>	<p>5140--Answering device, unknown whether eligible</p>
<p>The answering device indicates that the mailbox is full without indication of household status in the landline telephone sample number. Use this code for all cell phone answering devices where the mailbox is full.</p>	<p>Even though the interviewer cannot leave a message on this call, there is still potential for leaving a message on this device. Follow rules for household status on landline telephone devices.</p>	<p>3140-Answering device, unknown whether eligible 5140- Answering device, unknown whether eligible</p>

Appendix D: Uploading BRFSS Data Using OneEdits

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Using OneEdits 2015

out update to the program

15 years helped in improving editing process



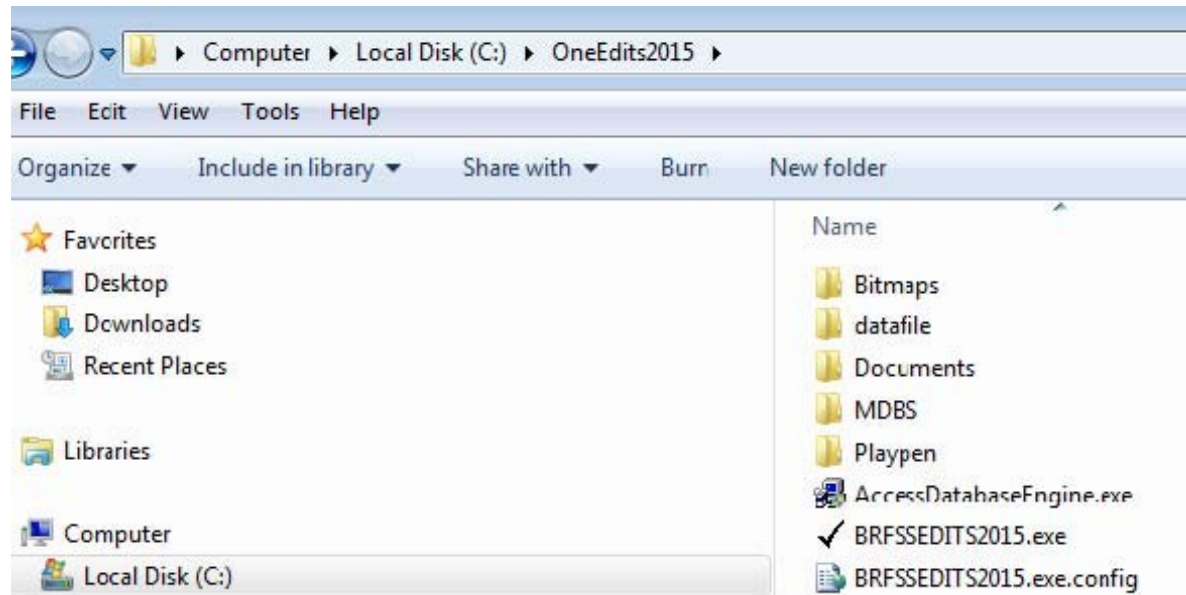
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New Features of OneEdits2015

- ✦ Landline and Cell Phone survey in one software survey in one
- ✦ Includes a feature that allows 'Resume Editing' 'Resume Editing'
- ✦ Allows Users to "Hide Errors" Hide Errors
 - —Help in temporarily suppressing errors (avoid crowding) to focus on other problems on other problems
 - —Can be reactivated
- ✦ Global field value replacement field value replacement
 - —Value of a particular field across the dataset can be replaced in one action
- ✦ Appropriate error messages error messages
 - —Allows users to fix problems at their end users to fix problems at their end

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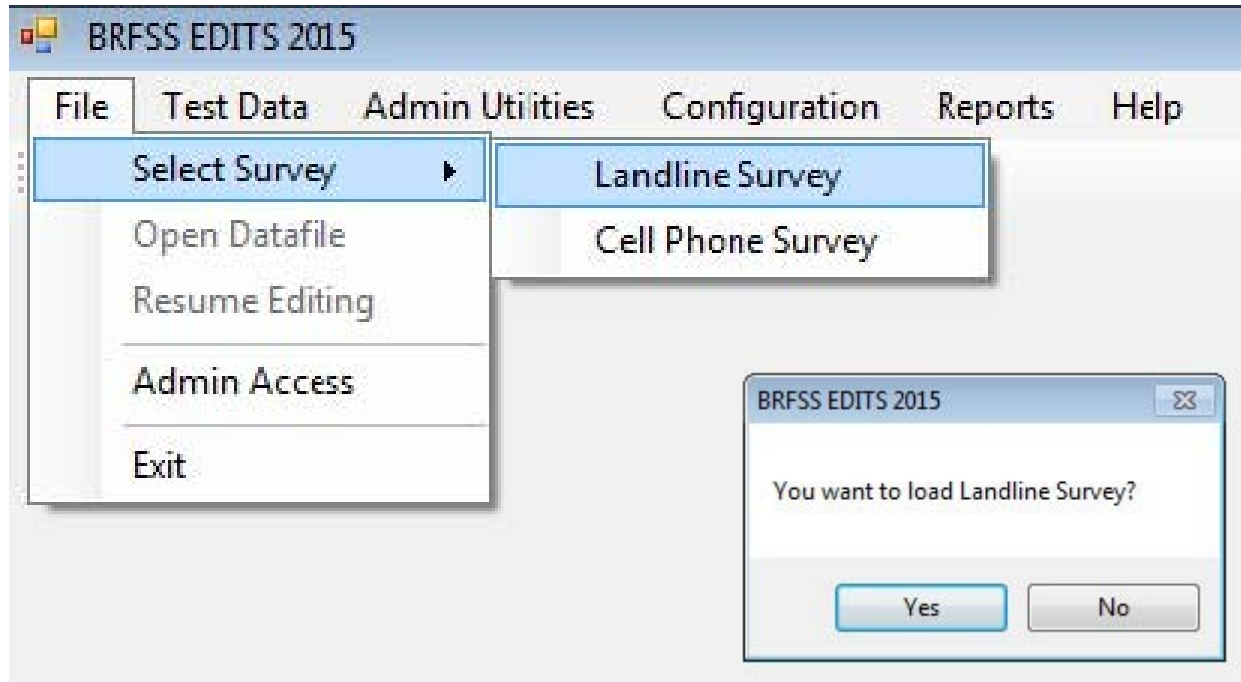
Default Folder Structure



Datafile--Keep original .dattfile

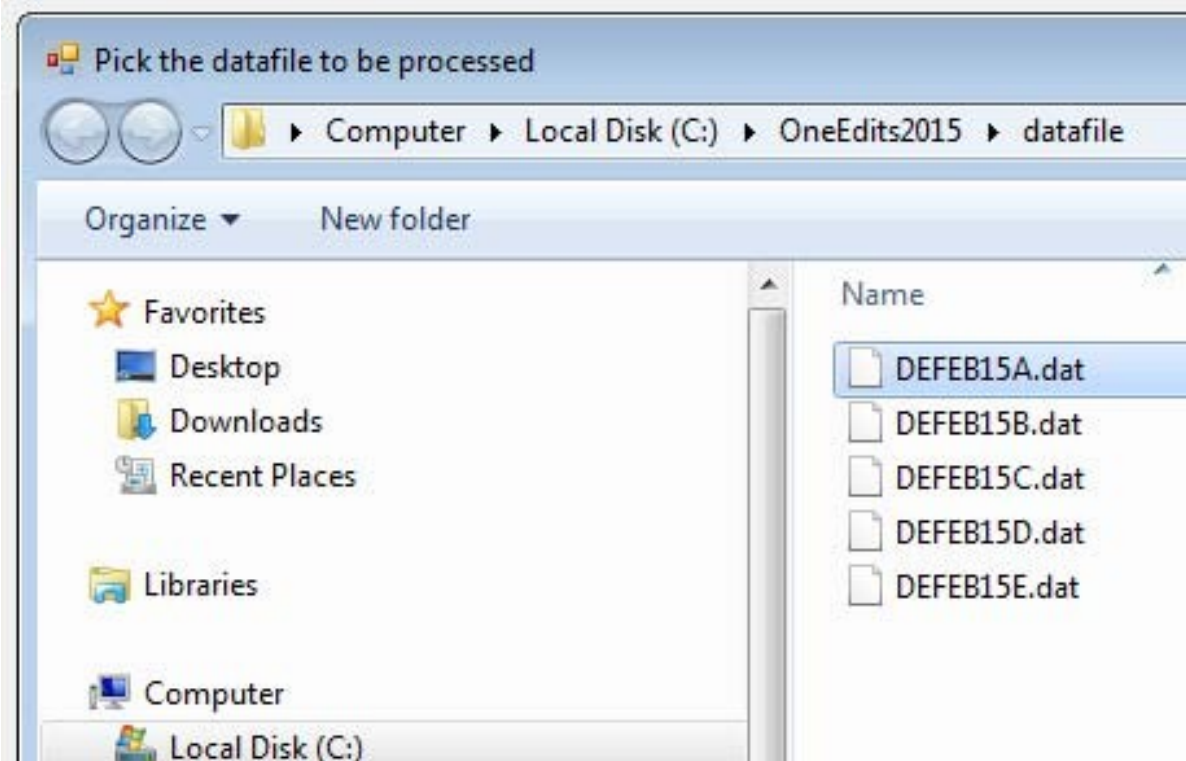
Playpen --OneEdits keeps duplicate file there and make changes there duplicate file there and make changes there

Select Survey



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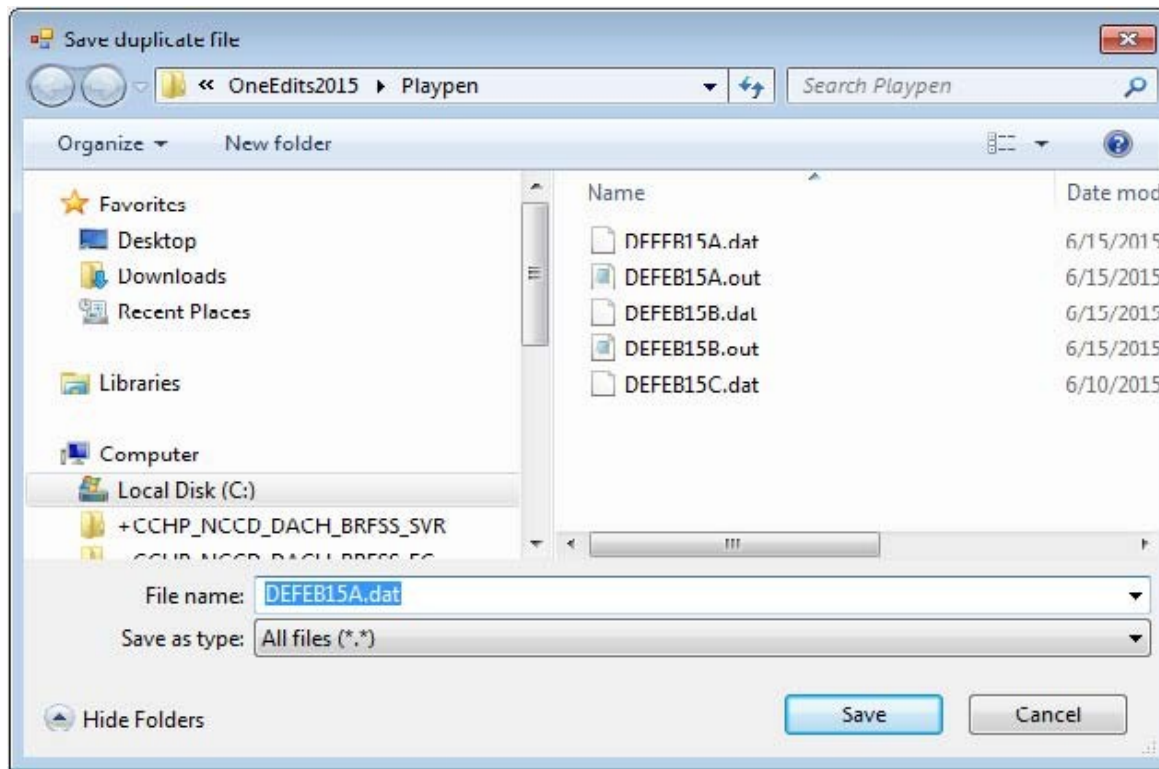
Select data file



Select file from Datafile folder

Save selected data file....

Save selected file in playpen folder. Keep filename same as original file. in playpen folder. Keep filename same as original file.



Screening Results

Basic screening run results, good place to verify if selected modules have data.ve data.

Data Screening Result

Screening Result - C:\OneEdits2015\Playpen\DEFEB15A.dat

Module name	Records W/ Resp	Recs No Resp
MOD 01 - PRE DIABETES	0	153
MOD 02 - DIABETES	11	142
MOD 03 - HEALTHY DAYS	0	153
MOD 04 - CAREGIVER	0	153
MOD 05 - VISUAL IMPAIRMENT	0	153
MOD 06 - COGNITIVE DECLINE	0	153
MOD 07 - SALT RELATED BEHAVIOR	0	153
MOD 08 - ADLT ASTHMA HISTORY	0	153
MOD 09 - CARDIOVASCULAR HEALTH	0	153
MOD 10 - ARTHRITIS MGMT	0	153
MOD 11 - TETANUS	0	153

Number of Completes 74
Number of Incompletes 76
Number of Partial Completes 3
Number of Total Records 153

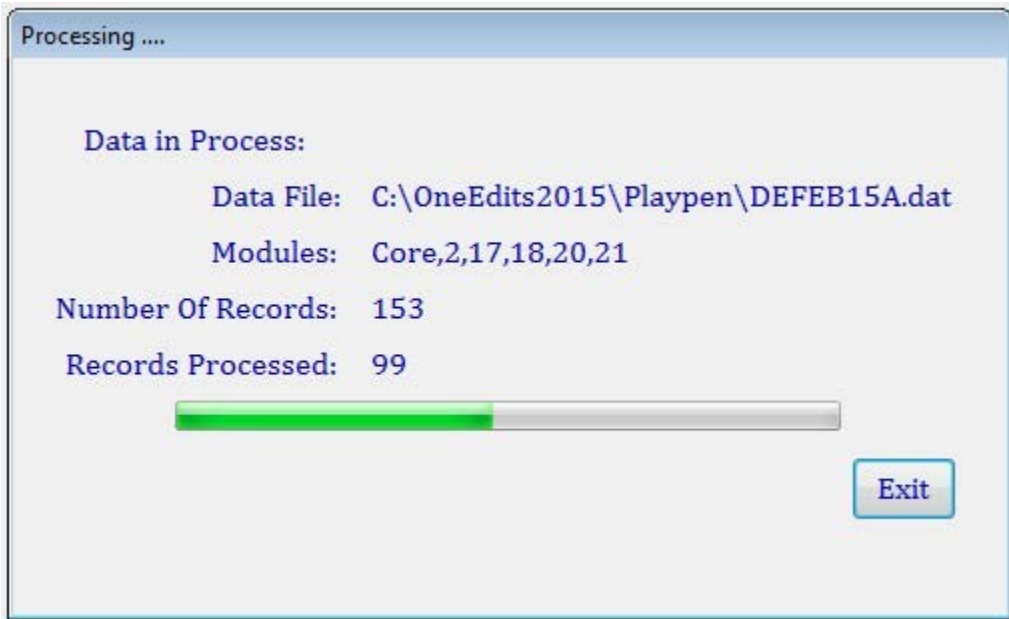
OK

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Screening Results

Test Dataset T--> Run Edits menu would run edits on selected dataset.> Run Edits menu would run edits on selected dataset.

Good place to review modules being run and see if that matches with what state intended to collect. state intended to collect.



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Edits Result

Test Dataset --> View Data menu would show edits run results.
Data can be modified here in real time. Data can be modified here in real time.

File Test Data Admin Utilities Configuration Reports Help

Resp No 000433
 ID 21

ID SECTION

Field Name	Field Value
C07Q01/SEX	1
C07Q02/AGE	67
C07Q03/HISPANC3	5
C07Q04/MRACE1	10
C07Q05/ORACE3	
C07Q06/MARITAL	1
C07Q07/EDUCA	6
C07Q08/RENTHOM1	1
C07Q09/CTYCODE1	005
C07Q10/ZIPCODE	19963
C07Q11/NUMMHOL2	2
C07Q12/NUMPHON2	
C07Q13/CPDEMO1	1
C07Q14/VETERAN3	2
C07Q15/EMPLOY1	7
C07Q16/CHILDREN	88

Current Value C07Q01/SEX
 1
 Change current value of if necessary

Cancel Ok

Edits Edit Info Ignore Errors

Edit Result for Current Record

E: M17Q01/PCPSAAD2 should not be <blank> when C07Q02/AGE is 67 and C07Q01/SE

Number of Error(s)/Warning(s) found in this record: 5
 Total Number of Errors Found in Data file: 63
 Total Number of Warnings Found in Data file: 2

Fields Involved
 A13/DISPCODE
 M17Q01/PCPSAAD2
 C07Q01/SEX

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Ignore Errors....

This is where repeating errors can be suppressed temporarily to focus on other errors.

The screenshot shows the 'BRFSS EDITS 2015 Landline Survey' application window. The main interface includes a menu bar (File, Test Data, Admin Utilities, Configuration, Reports, Help) and a toolbar. On the left, there are input fields for 'Resp No' (000412) and 'ID' (1), along with navigation arrows. Below these is a dropdown menu for 'ID SECTION'. A table lists various 'Field Name' and 'Field Value' pairs, with 'A01/STATE' highlighted in blue. The value for 'A01/STATE' is '01'. On the right, there are two text input fields: 'Current Value' and 'Change current value of if necessary'. Below these fields are 'Cancel' and 'Ok' buttons. At the bottom, there is a tabbed interface with 'Ignore Errors' selected. This tab displays a table with columns: 'editsetname', 'Editname', 'ErrCount', 'WarnCount', and 'Hide'. The table lists several error entries, with 'ID SECTION' and 'A01/STATE Vs ...' highlighted in blue.

Field Name	Field Value
A01/STATE	01
A02/GEOSTR	101
A03/DENSTR2	1
A04/PRECALL	1
A05/SECSCRFL	1
A06/REPNUM	020014
A07/REPDEPTH	01
A08/FMONTH	02
A09/IDATE	02072015
A10/INTVID	30035
A13/DISPCODE	2210
A14/SEQNO	2015002011
B01/NATTMPTS	03
B02/NRECSSEL	001944
B03/NRECSTR	000042278
B04/CTELENUM	1

editsetname	Editname	ErrCount	WarnCount	Hide
ID SECTION	A01/STATE Vs ...	153	0	<input type="checkbox"/>
ID SECTION	A08/FMONTH V...	1	0	<input type="checkbox"/>
ID SECTION	A13/DISPCODE ...	1	0	<input type="checkbox"/>
ID SECTION	A13/DISPCODE ...	3	0	<input type="checkbox"/>
CORE	C01Q01/GENHL...	1	0	<input type="checkbox"/>
CORE	C02Q01/PHYSH...	1	0	<input type="checkbox"/>
CORE	C02Q02/MENTH...	1	0	<input type="checkbox"/>
CORE	C02Q03/POORH...	1	0	<input type="checkbox"/>

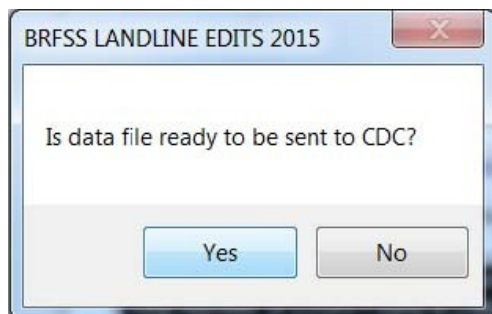
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Resume Edits....

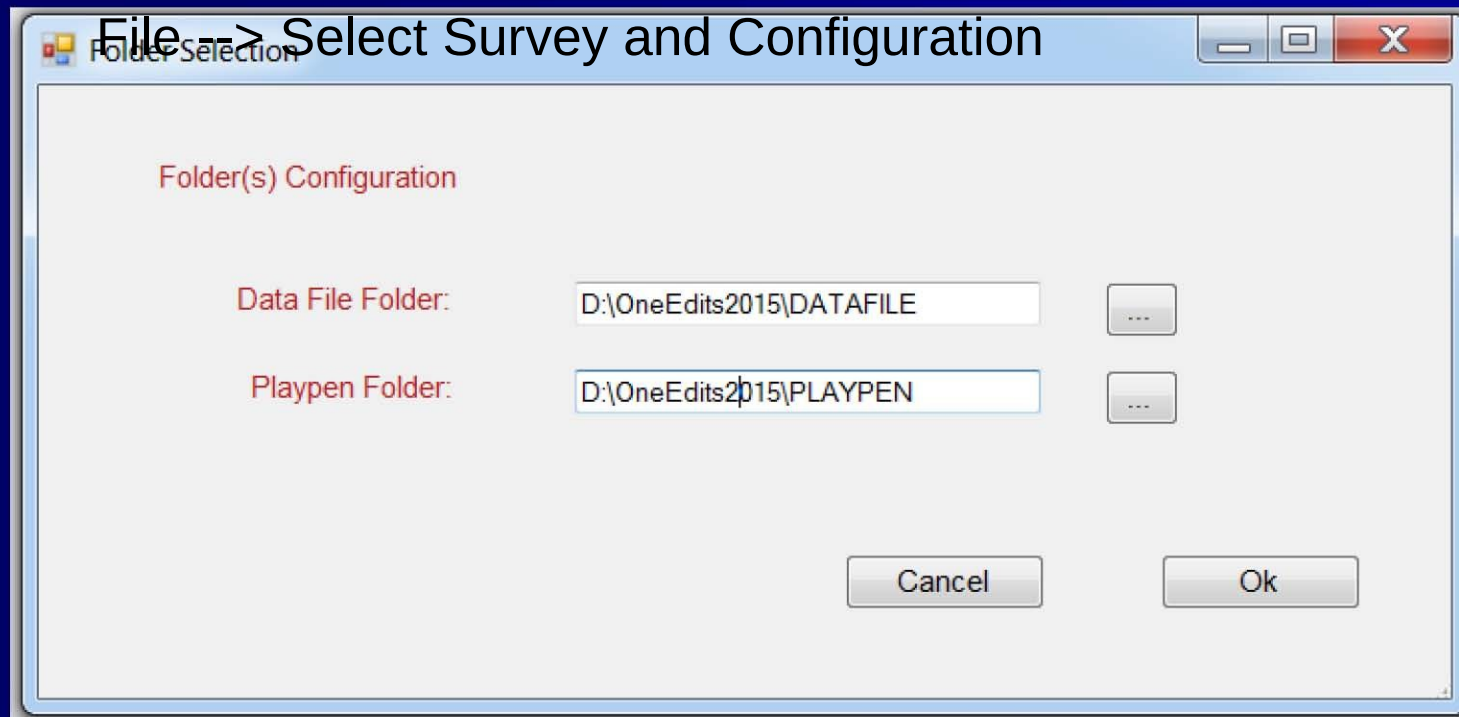
Select 'No' while quitting application if user wants to resume editing in future.

File --> Select Survey and File --> Resume Editing would allow
> Resume E resumption of editing.



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Folder Selection....



- File -> Select Survey and Configuration-> Folder Selection would allow users to change folders related to Data file and Playpen locations.
- User can point these locations to network drive if one wish to.

Module Selection....

Select a State CA *State is doing 3 version in the survey.
+10,22,23|+2,6,11,22,23|+22,23*

Available Modules

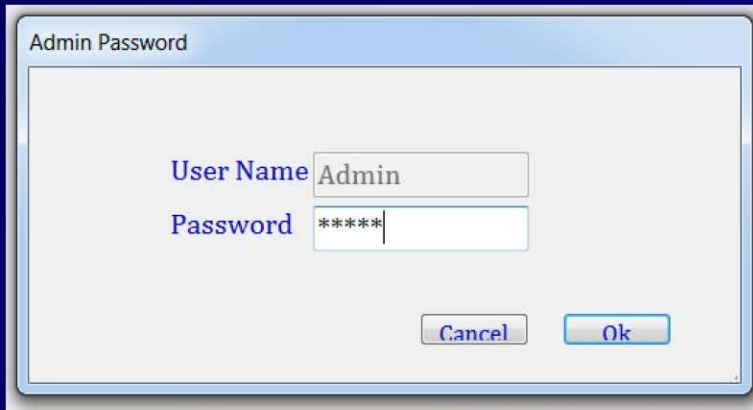
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> CORE	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> MOD 11 - TETANUS	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> MOD 22 - RANDOM CHILD SELECTION
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 01 - PRE DIABETES	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 12 - ADLT HPV	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> MOD 23 - CHILDHOOD ASTHMA
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> MOD 02 - DIABETES	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 13 - SHINGLES	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 24 - EMT SUPRT
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 03 - HEALTHY DAYS	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 14 - BRST CERVICAL CNCR SCRNM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 25 - ANXIETY DEPRESSION
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 04 - CAREGIVER	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 15 - CLNCL BRST CNCR	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 05 - VISUAL IMPAIRMENT	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 16 - COLORECTAL CNCR SCRNM	
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> MOD 06 - COGNITIVE DECLINE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 17 - PROSTATE CNCR SCRNM	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 07 - SALT RELATED BEHAVIOR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 18 - PROSTATE CNCR SCRNM DMM	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 08 - ADLT ASTHMA HISTORY	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 19 - INDUSTRY OCCUPATION	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 09 - CARDIOVASCULAR HEALTH	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 20 - SOCIAL CONTEXT	
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 10 - ARTHRITIS MGMT	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MOD 21 - SEXUAL ORIENTATION	

- File -> Select Survey and Configuration-> Module Selection would allow users to change modules being collected for states doing split version.
- No need to provide module list for states not doing dual survey.

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Global field value change

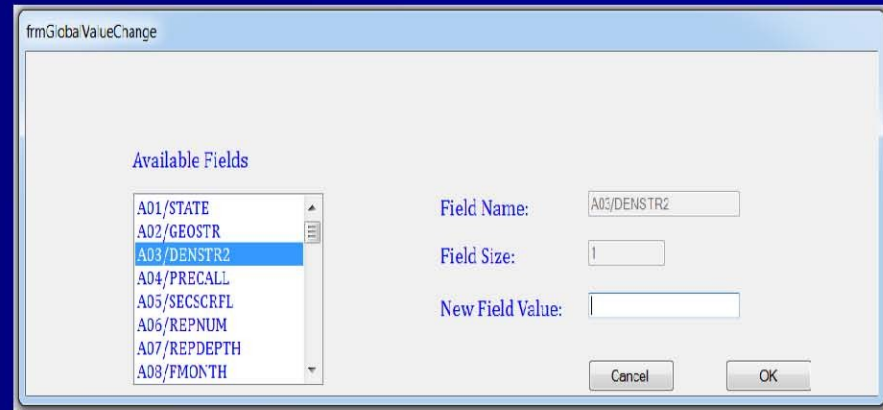
File --> Select Survey, File --> Admin Access, Admin



Admin Password

User Name

Password



frmGlobalValueChange

Available Fields

A01/STATE
A02/GEOSTR
A03/DENSTR2
A04/PRECALL
A05/SECSCRFL
A06/REPNUM
A07/REPDEPTH
A08/FMONTH

Field Name:

Field Size:

New Field Value:

- File -> Select Survey, File -> Admin Access, Admin Utilities -> Global field value change would allow users to change value of a field across records in data file.

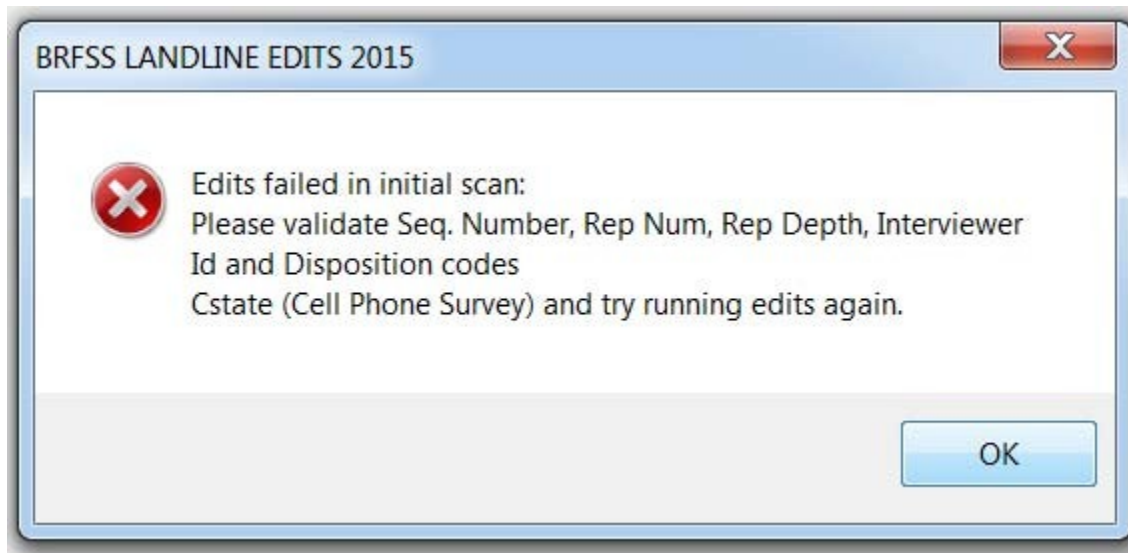
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Reports ...

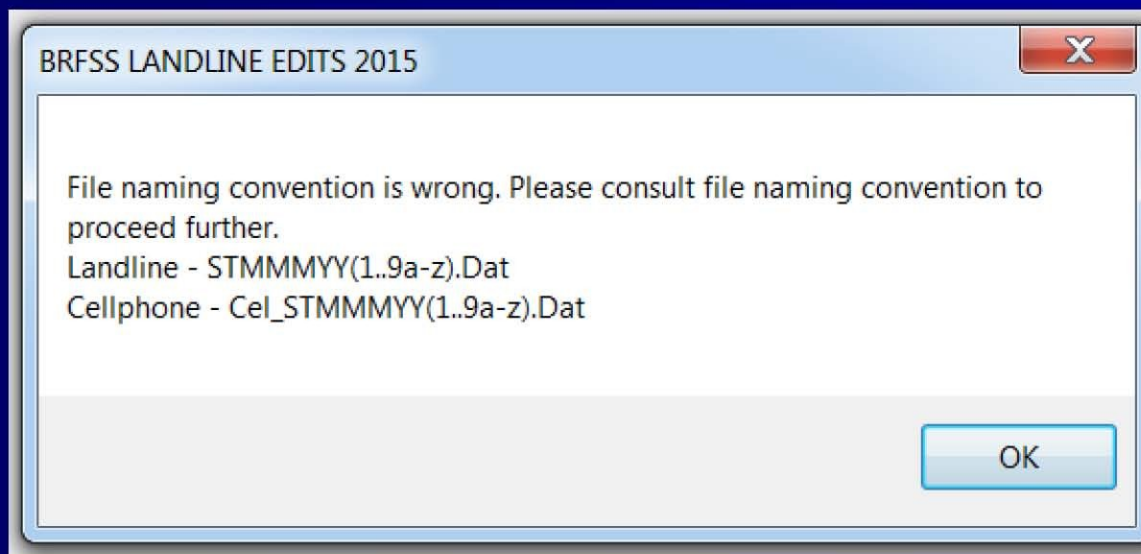
- **Screening Report**
 - Report shows modules presence in the dataset along with number of complete, partial complete
- **Summary Report**
 - Report shows summary of errors generated during edits run grouped by edit names
- **Complete Report**
 - Report shows detailed error messages along with screening and summary part of it

Error Messages

This message will show up if selected data file has missing data for any one of the fields mentioned in error message. one of the fields mentioned in error message.



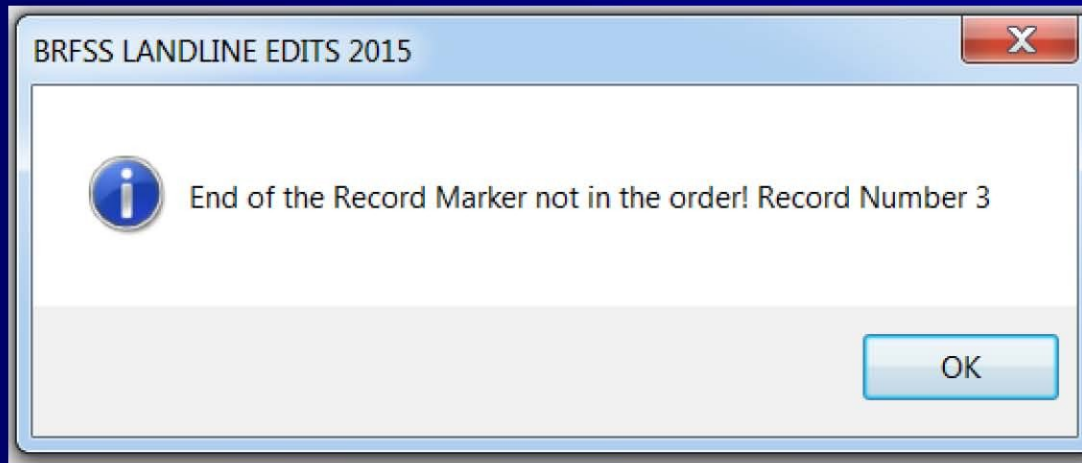
Error Messages



- This message will show up if data file selected does not follow file naming convention.
- User may inadvertently select cell phone survey data file when he/she is in landline survey session.

Error

Messages



- This message will show up if data file selected does not follow record layout.
- Missing EOR marker (^1') at the end of any record will prompt this error message.

As with any software, there may be unexpected errors.

If you continue to experience problems with OneEdits, please contact Ajay Sharma AUS6@cdc.gov or Bill Garvin WSG1@cdc.gov.

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Appendix E: BRFSS State Data Submit File Process

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BRFSS Data Submission

Tim Carroll

Solution Architect, Northrop Grumman Contractor
Population Health Surveillance Branch
Division of Population Health/CDC

BRFSS Training Workshop
April 10, 2018



BRFSS Data Submission Agenda

- Login
- Features
- Submit Data Files
- Submit Other Files
- Previously Submitted Files
- Download Files
- Data Status
- Forms
- Modules
- User Guide
- Questions

BRFSS Data Submission Access

- **Url: nccd.cdc.gov/BRFSSStates**
- **For access to the site, request access through the BRFSS
ProjectOfficers**

Login

BRFSS Data Submission

Log In

*Required

*Email Address

*Password

[Forgot your password?](#)

Log In

Forgot Password

Forgot Password

Enter your Email address. Your password will be reset and an email will be sent to you with the new password.

Email Address

Submit

Cancel

Set Password

BRFSS Data Submission

BRFSS Data Submission
Home

Submit Data Files

Submit Other Files

Previously Submitted
Data Files

Downloadable Files

User Guide +

BRFSS Home

[CDC](#)

Change Password

*Required

Email Address

tcarrollcs@yahoo.com

Old Password*

New Password*

Verify New
Password*

Save

Cancel

Password Requirements

- ❑ Passwords are case sensitive.
- ❑ Passwords must contain at least 8 and up to 20 characters.
- ❑ Passwords must be created using 3 of the following criteria:
 - ❑ Uppercase letters
 - ❑ Lowercase letters
 - ❑ Numbers
 - ❑ Punctuation symbols. Punctuation symbols allowed are @, #, \$, % and ^
- ❑ Passwords may not contain your User ID (Email) or any part of your full name.
- ❑ Do not reuse old passwords.

Update Account Information

Account

[Change Password](#)

*Required

*First Name

Tim

*Last Name

Carroll

Organization

Select one ▼

Title/Position

Address 1

Address 2

City

BRFSS Data Submission

BRFSS Data Submission Home

Click [here](#) to register for the 2018 Behavioral Risk Factor Surveillance System (BRFSS) Training Workshop

On this site, you can:

- Submit monthly data files for BRFSS responded data. [Submit Data Files](#)
- Submit files other than the monthly data files. [Submit Other Files](#)
- View previously submitted data files. [Previously Submitted Data Files](#)
- Download program updates, reports, and data files. [Downloadable Files](#)
- View data status and history. [Data Status](#)
- View, complete, and submit the Information Request and Annual Self-Certification forms online. [Forms](#)
- View modules used. [Module Usage](#)
- View/edit your contact information, view your assigned state(s), and change your password. [Account](#)
- Get instructions on using this site. [User Guide](#)

Please send questions or problems with this site to: [BRFSS Help Desk](#)

BRFSS File Submission Features

- Submit monthly data files for BRFSS response data
- Submit files other than the monthly data files
- View previously submitted data files
- Download program updates, reports, and data files
- View/edit your contact information, view your assigned state(s), and change your password
- Get instructions on using this site

BRFSS File SubmissionTasks State Coordinators Only

- ❑ **View data status and history**
- ❑ **View, complete, and submit the Information Request and Annual Self-Certification forms online. (State Coordinators Only)**
- ❑ **View modules used**

Submit Data Files

- To submit BRFSS state survey files to the CDC, select the Submit Data Files page. This page only accepts unzipped files with a file type of .dat.

Submit Data Files



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

SEARCH

BRFSS Data Submission

BRFSS Data Submission Home

Submit Data Files

Submit Other Files

Previously Submitted Data Files

Downloadable Files

Forms

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User Guide

BRFSS Home

[CDC](#)

To upload, select [Submit Data Files](#)

BRFSS Data Submission Home

Welcome to the BRFSS Data Submission site!

On this site, you can:

- Submit monthly data files for BRFSS responded data. [Submit Data Files](#)
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Submit Data Files

- Coordinators may only upload to their assigned state, which is the default option and can't be changed.

Submit Data Files

*Required

* State

* Month

* Survey Year

* Survey Type

Submit Data Files

- Contractors may upload to any of the states they've been assigned.

***Required**

***State**

***Survey Year**

***Survey Type**

Alabama
Alaska
Arizona
Wyoming
Palau
American Samoa
Federated States of Micronesia

Depending upon the file size, uploads may take up to 5 minutes.

Submit Data Files

- Select the month and year the survey was conducted.

Submit Data Files

*Required

* State Alabama ▼

* Month February ▼

* Survey Year 2017 ▼

* Survey Type Select one ▼

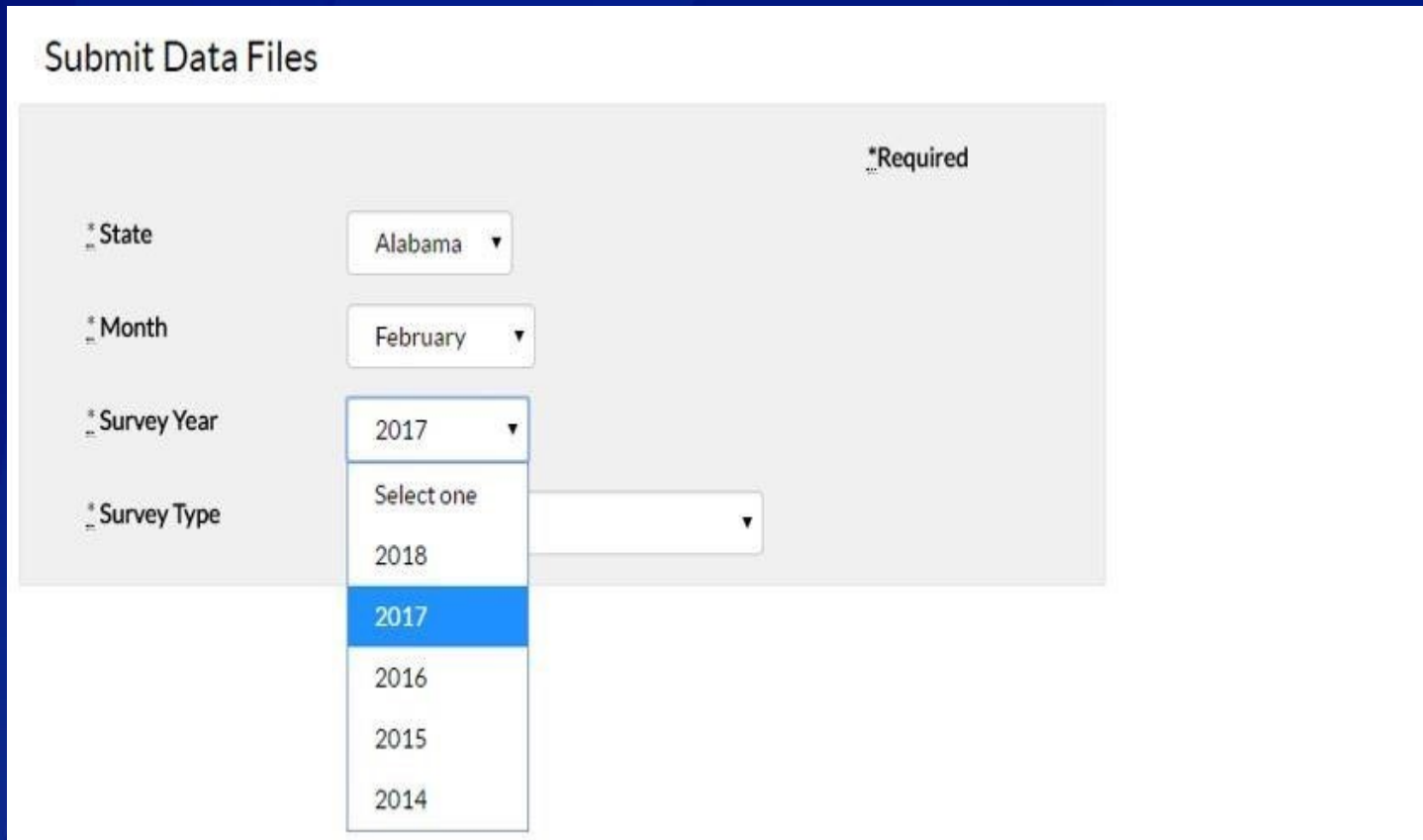
2018

2017

2016

2015

2014



Submit Data Files

- Select the type of survey .

Submit Data Files

*Required

* State

* Month

* Survey Year

* Survey Type

- Select one
- Asthma Callback Adult Cell Phone
- Cell Phone**
- Land Line

Submit Data Files – File Naming

- System brings up guidelines on requirements for creating a model to upload
- No maximum file size

File Name Mask

Cel_ALFEB17*.dat

The name begins with a four character prefix; three characters followed by an underscore, "_". The current prefix allowed is "CEL_". The naming convention is as follows: four-character prefix|(two-character state abbreviation)|(three-character month abbreviation)|(two-digit year)|(one optional extra character).(extension), where the optional extra character can be a number (1-9) or letter (A-M). Examples are CEL_GAAPR03.dat or CEL_WVMAR052.zip. If you choose to use an optional extra character, please start with 1, using 1-9 in numerical order before using A-M in alphabetical order. See the Quick Reference Guide for more information and examples.

*File

Browse 

Submit Data Files – File Naming

File names conform to the following convention:

- ❑ 4 character prefix, consisting of three letters describing the type of survey followed by an underscore (see table below)
- ❑ Two character state abbreviation; i.e. Georgia = GA
- ❑ Three character abbreviation for the month
- ❑ Two-digit year
- ❑ An optional one-digit number or letters, 1-9.

Example:

- ❑ AAC_GAMAY14.dat

AA Survey for Asthma Callback Adult Cellphone for Georgia,

Submit Data Files – File Naming

□ Current Prefixes

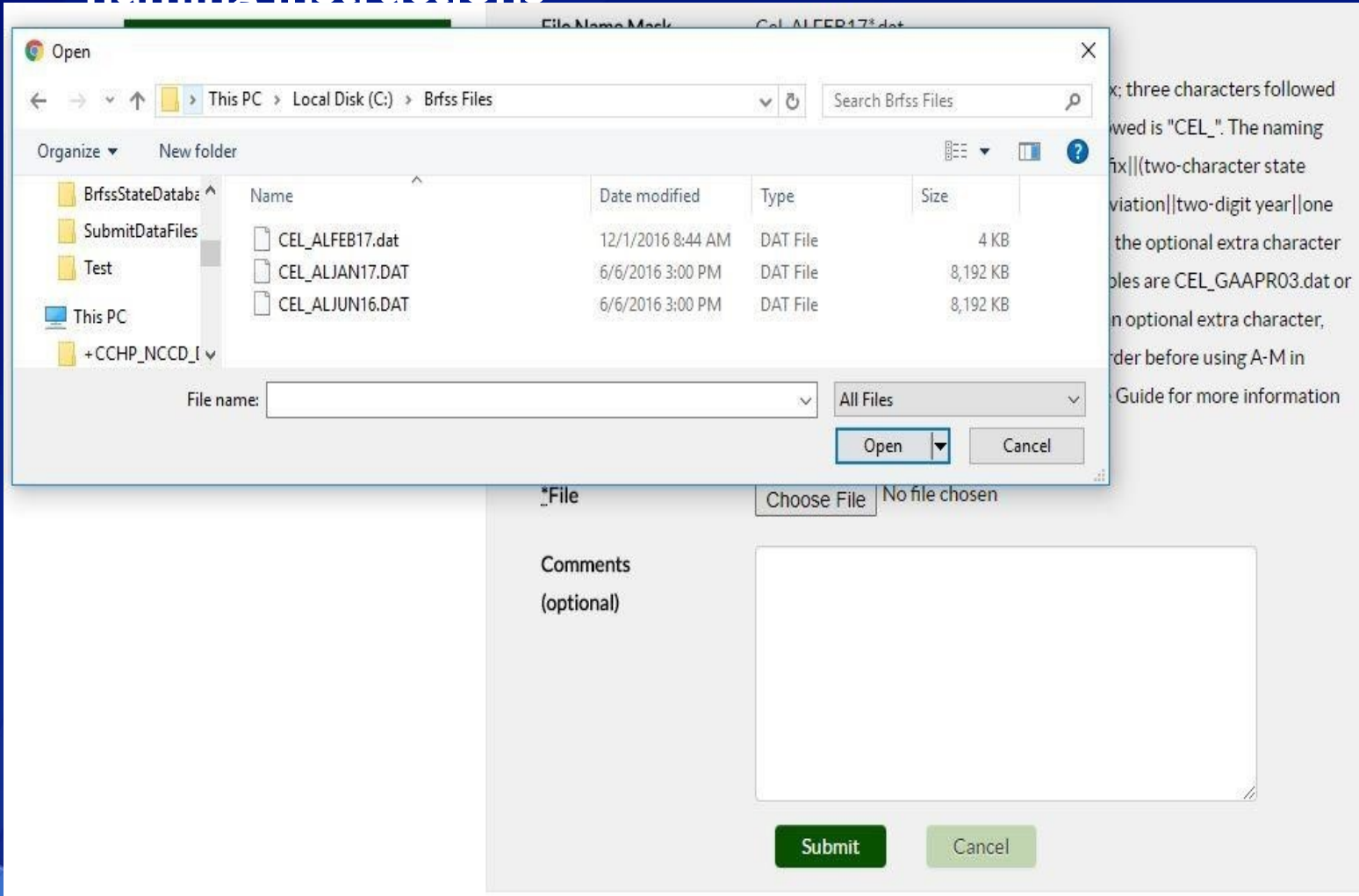
- Asthma Callback Adult Cellphone - AAC_
- Asthma Callback Adult Landline - AAL_
- Asthma Callback Child Cellphone - ACC_
- Asthma Callback Child Landline - ACL_
- Asthma Follow -Up Adult - AFA_
- Asthma Follow -Up Child - AFC_
- Cellphone - CEL_
- Landline - No prefix

□ Must be .dat .

□ Cannot be zipped, zipped while uploaded

Submit DataFiles – Select File

- Select a file to upload with a name that matches the naming instructions



The image shows a Windows File Explorer window titled "Open" with the address bar set to "This PC > Local Disk (C:) > Brfss Files". The window displays a list of files:

Name	Date modified	Type	Size
CEL_ALFEB17.dat	12/1/2016 8:44 AM	DAT File	4 KB
CEL_ALJAN17.DAT	6/6/2016 3:00 PM	DAT File	8,192 KB
CEL_ALJUN16.DAT	6/6/2016 3:00 PM	DAT File	8,192 KB

The "File name" field is empty, and the file type is set to "All Files". The "Open" button is highlighted. Below the dialog box, a web form is visible with a "Choose File" button, a "Comments (optional)" text area, and "Submit" and "Cancel" buttons. To the right of the dialog box, there is a partially visible text block with the following content:

x: three characters followed
wed is "CEL_". The naming
ix|(two-character state
viation|two-digit year|one
the optional extra character
ples are CEL_GAAPR03.dat or
n optional extra character,
der before using A-M in
Guide for more information

Submit DataFiles – Select File

- Select the desired file and click Open, and comments are optional

alphabetical order. See the Quick Reference Guide for more information and examples.

*File CEL_ALFEB17.dat

Comments
(optional)

Submit Data Files – Submit File

Progress Bar

Submit Data Files

*Required

* State

* Month

* Survey Year

* Survey Type


Cell Phone

File Name Mask

Cel_ALFEB17*.dat

The name begins with a four character prefix; three characters followed by an underscore, "_". The current prefix allowed is "CEL_". The naming convention is as follows: four-character prefix|(two-character state abbreviation)|(three-character month abbreviation)|(two-digit year)|(one optional extra character).(extension), where the optional extra character can be a number (1-9) or letter (A-M). Examples are CEL_GAAPR03.dat or CEL_WVMAR052.zip. If you choose to use an optional extra character, please start with 1, using 1-9 in numerical order before using A-M in alphabetical order. See the Quick Reference Guide for more information and examples.

*File

Browse  CEL_ALFEB172.dat

Submitting file, please wait...


33% complete.

Cancel

Submit Data Files – Submit File

Upload Complete

Submit Data Files

 Upload complete

*Required

* State

* Month

* Survey Year

* Survey Type

Submit Data Files – Errors

- ❑ **The selected survey does not match the 3 character survey prefix in file name AAC_GAJUN16.DAT**
The prefix before the underscore (AAC_GAJUN16.DAT) must match the requirement for the survey type
- ❑ **The selected state does not match the 2 character state in the file name AAC_GAJUN16.DAT.**
The state code (AAC_GAJUN16.DAT) must match the state selected
- ❑ **The selected month does not match the 3 character month in the file name AAC_GAJUN16.DAT.**
The month code (AAC_GAJUN16.DAT) must match that of the month selected
- ❑ **The selected year does not match the 2 digit year in the file name AAC_GAJUN16.DAT.**

Friday, November 2, 2018

SubmitOther Files

Supported Files

- Call Data and History files (*.cdp)
- CATI files (*.Ci3)
- Sample files (*.mp, .sam)
- One Edit Outputs (*.out)
- State Added Layouts (*.dod, .x).
- Other miscellaneous file types as needed

- Files of any type may be submitted through the Submit Other Files page, but must be compressed into a .zip file before uploading**

Submit Other Files

BRFSS Data Submission

BRFSS Data Submission Home

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Submit Other Files

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Downloadable Files

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[CDC](#)

To upload, select Submit Other Files

BRFSS Data Submission Home

Welcome to the BRFSS Data Submission site!

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Submit Other Files


Submit Other Files

***Required**

*** State**

Alabama 

*** Survey Year**


Select one 

*** Survey Type**

Select one 

Note: Files must be zipped and 10 MB or less. Depending upon the file size, uploads may take up to 5 minutes.

***File**

Browse 

Submit Other Files

- **As with the submit data files**
 - Contractors may upload to any of their states
 - State Coordinators may upload to their assigned state
- **Select the year and survey type**

* State Alabama ▾

* Survey Year 2016 ▾

* Survey Type
Select one
Asthma Callback Adult Cell Phone
Land Line

Submit Other Files

□ File naming guidelines

The name begins with a four character prefix; three characters followed by an underscore, "_". The current prefixes allowed are "AAC_". The naming convention is as follows: four-character prefix|| (two-character state abbreviation||three-character month abbreviation||two-digit year||one optional extra character).(extension), where the optional extra character can be a number (1-9) or letter (A-M). Examples AAC_GADEC03.zip. If you choose to use an optional extra character, please start with 1, using 1-9 in numerical order before using A-M in alphabetical order. See the Quick Reference Guide for more information and examples.

Note: Files must be zipped and 10 MB or less. Depending upon the file size, uploads may take up to 5 minutes.

Browse 

□ File size maximum of 10 MB

Submit Other Files

Select file

Open

This PC > Local Disk (C:) > Brfss Files

Search Brfss Files

Organize New folder

Name	Date modified	Type	Size
AAC_ALJUN161.Zip	6/6/2016 3:00 PM	Compressed (zipp...	8,192 KB
AAC_GAJUN16.DAT	6/6/2016 3:00 PM	DAT File	8,192 KB
CEL_ALFEB17.dat	12/1/2016 8:44 AM	DAT File	4 KB
CEL_ALFEB171.DAT	6/6/2016 3:00 PM	DAT File	8,192 KB
CEL_ALFEB172.dat	10/22/2014 11:52 ...	DAT File	49,865 KB
CEL_ALJAN17.DAT	6/6/2016 3:00 PM	DAT File	8,192 KB
CEL_ALJUN16.DAT	6/6/2016 3:00 PM	DAT File	8,192 KB

File name: AAC_ALJUN161.Zip

All Files

Open Cancel

*File

Browse

*Required

followed by an underscore, "_". The
follows: four-character prefix||
viation||two-digit year||one
character can be a number (1-9) or
3.zip. If you choose to use an
al order before using A-M in
information and examples.

the file size, uploads may take up to 5

Submit Other Files

Enter comments and submit

Submit Data Files

***State** *Required

***Survey Year**

***Survey Type**

Note: File size must be 10 MB or less. Depending upon the file size, uploads may take up to 5 minutes.

***File**

Comments (optional)

Upload Alabama Cellphone callback survey.

Submit

Cancel

Submit Other Files

Upload complete



The data file **AAC_ALAPR15.zip** was successfully submitted.

*State

Alabama

*Survey Year

2015

*Survey Type

Asthma Callback Adult Cell Phone

Previously Submitted Files

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Previously Submitted Files

Previously Submitted Data Files

State

Survey Year

Survey Type

Page Show records 

File Name	Year	State	Month	Survey	Version	▲ Upload Date	Uploaded By
CEL_NMJUN17S.DAT	2017	New Mexico	JUN	Cell Phone	5	2/15/18 11:22 AM	Junling Ren
NMOCT17R.DAT	2017	New Mexico	OCT	Land Line	5	2/14/18 5:15 PM	Junling Ren
CEL_NMDEC17R.DAT	2017	New Mexico	DEC	Cell Phone	6	2/14/18 5:14 PM	Junling Ren
CEL_NMJUN17R.DAT	2017	New Mexico	JUN	Cell Phone	4	2/14/18 5:13 PM	Junling Ren
CEL_NMDEC17Q.DAT	2017	New Mexico	DEC	Cell Phone	5	2/14/18 2:13 PM	Junling Ren
CEL_NMNOV17Q.DAT	2017	New Mexico	NOV	Cell Phone	4	2/14/18 2:12 PM	Junling Ren
CEL_NMOCT17Q.DAT	2017	New Mexico	OCT	Cell Phone	4	2/14/18 2:12 PM	Junling Ren
CEL_NMSEP17Q.DAT	2017	New Mexico	SEP	Cell Phone	4	2/14/18 2:12 PM	Junling Ren

Previously Submitted Files

▼ File Name	Year	State	Month	Survey	Version	Upload Date	Uploaded By
cel_NMApr173.zip	2017	New Mexico	APR	Cell Phone	1	5/31/17 12:02 PM	Claude Comeau
CEL_NMAPR17N.DAT	2017	New Mexico	APR	Cell Phone	2	2/6/18 2:47 PM	Junling Ren
CEL_NMAPR17P.DAT	2017	New Mexico	APR	Cell Phone	3	2/14/18 8:35 AM	Junling Ren
CEL_NMAPR17Q.DAT	2017	New Mexico	APR	Cell Phone	4	2/14/18 2:08 PM	Junling Ren
cel_NMAug175.zip	2017	New Mexico	AUG	Cell Phone	1	9/24/17 8:42 AM	Claude Comeau
CEL_NMAUG17N.DAT	2017	New Mexico	AUG	Cell Phone	2	2/6/18 2:49 PM	Junling Ren
CEL_NMAUG17O.DAT	2017	New Mexico	AUG	Cell Phone	3	2/8/18 11:50 AM	Junling Ren
cel_NMDec174.dat	2017	New Mexico	DEC	Cell Phone	1	1/23/18 1:43 AM	Claude Comeau
CEL_NMDEC17N.DAT	2017	New Mexico	DEC	Cell Phone	2	2/6/18 2:51 PM	Junling Ren
CEL_NMDEC17O.DAT	2017	New Mexico	DEC	Cell Phone	3	2/8/18 11:51 AM	Junling Ren
CEL_NMDEC17P.DAT	2017	New Mexico	DEC	Cell Phone	4	2/14/18 8:43 AM	Junling Ren
CEL_NMDEC17Q.DAT	2017	New Mexico	DEC	Cell Phone	5	2/14/18 2:13 PM	Junling Ren
CEL_NMDEC17R.DAT	2017	New Mexico	DEC	Cell Phone	6	2/14/18 5:14 PM	Junling Ren

Previously Submitted Files

State Submission File

Submitted File CEL_NMDEC17Q.DAT
Survey Year 2017
State New Mexico
Month DEC
Survey Type Cell Phone
File Version 5
Submitted Date 2/14/18 2:13 PM
Status Processed
Submitted By Junling Ren
File Size 6423k
Comments

Events

Date Time	Event
2/14/18 2:13 PM	Submitted
2/14/18 2:15 PM	Downloaded
2/14/18 4:09 PM	Processed

Downloadable Files

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Downloadable Files

Files Available for Download

Survey Year

2017

Survey Type

All surveys

File Type

All file types

File Type Description

All descriptions




Page 1

Show 25 records



▲ Upload Date	Survey Type	File Type	Description	File Size	File Name	Options
2/16/18 10:30 AM	Combined	Data and Reports	Year to date data and reports	16776k	NM17_YEAR_TO_DATE.ZIP	

Downloadable Files

▲ Upload Date	Survey Type	File Type	Description	File Size	File Name	Options
2/16/18 10:30 AM	Combined	Data and Reports	Year to date data and reports	16776k	NM17_YEAR_TO_DATE.ZIP	
7/6/17 4:15 PM	Asthma Callback Adult Land Line			44071k	AAL_ZZ17_AsthmaStartup.zip	
6/16/17 12:15 PM	Land Line	PC Edits	Update to PC Edits	1682k	ZZ17_PCEDITS_Edfx17_Update_June12017.zip	
5/11/17 2:15 PM	Land Line	Reformatting	Update to Reformatting program - 64 bit Win	28.3k	ZZ17_Refrmt17_WinCATI_Win64up_May2017.Net.zip	
4/28/17 5:45 PM	Land Line	Presentations	Presentation given with PowerPoint slides	23540k	ZZ17_QuestionnaireMeeting_Powerpoint_20170330.zip	
4/3/17 11:15 AM	Land Line	Ci3	BRFSS Ci3 Questionnaire Update for Zika Call Back Screening	3051k	ZZ17_Ci3Zika_WinCATI_BRF2017h_ASC_20170331.zip	

Downloadable Files

☐ Select filter options

Files Available for Download

Survey Year

2018



Survey Type

All surveys

Asthma Callback Adult Land Line

Land Line

File Type

All file types



File Type Description

All descriptions



Downloadable Files

□ File Types

- Ci3
- Data and Reports
- Data Layout
- PC Edits
- Presentations
- Reformatting

Downloadable Files

□ File Type Descriptions

- BRFSS Ci3 Questionnaire Update for Zika Call Back Screening
- ChCk.exe program to check Ci3 files for duplicates
- Ci3 Questionnaire
- Ci3 Spanish Questionnaire Text for insertion
- Data Submission Layout
- Initial release of reformatting program
- OneEdits Full Release
- Presentation given with PowerPoint slides
- Table for exporting CMP file
- Update to PC Edits
- Update to Reformatting program - 64 bit Win
- Year to date data and reports

User Guide

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User Guide – Submit Data Files

Submit Data Files

To submit BRFSS state survey files to the CDC, select the Submit Data Files page. This page only accepts unzipped files with a file type of .dat.

The screenshot shows the BRFSS Data Submission website interface. At the top, the CDC logo and tagline "Centers for Disease Control and Prevention CDC 24/7: Saving Lives. Protecting People™" are visible, along with a search bar. Below this is a green navigation bar with the text "BRFSS Data Submission". A secondary navigation menu on the left lists various options, with "Submit Data Files" highlighted in green. A red box with the text "To upload, select Submit Data Files" has arrows pointing to the "Submit Data Files" link in the left menu and the "Submit Data Files" link in the main content area. The main content area features a blue banner that reads "Welcome to the BRFSS Data Submission site!". Below the banner, a section titled "On this site, you can:" lists several actions with corresponding links: "Submit monthly data files for BRFSS responded data" (link: [Submit Data Files](#)), "Submit files other than the monthly data files" (link: [Submit Other Files](#)), "View previously submitted data files" (link: [Previously Submitted Data Files](#)), "Download program updates, reports, and data files" (link: [Downloadable Files](#)), "View, complete, and submit the Information Request and Annual Self-Certification forms online" (link: [Forms](#)), "View modules used" (link: [Module Usage](#)), "View/edit your contact information, view your assigned state(s), and change your password" (link: [Account](#)), and "Get instructions on using this site" (link: [User Guide](#)).

Data Status

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Data Status

Data Status

Survey Year

2017 ▼


Survey Type


All surveys ▼

Data Status


All statuses ▼

 Data Received

 Reports Available












 Reports Viewed

Hover over an icon to view the status date.

State	Survey Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CO	Cell Phone												
	Land Line												
	Combined												












Data Status

- Hovering over land line or cell phone shows events:
 - Data Received
 - Data Downloaded
 - Data Processed

Aug	Sep	Oct	Nov	Dec
				
	<div data-bbox="318 928 1426 1142"><p>Data Received: 4-4-18 8:34:26 AM Data Downloaded: 4-4-18 8:45:11 AM Data Processed: 1-4-18 6:54:36 AM</p></div>			
				

Data Status

- **Hovering over combined shows events:**
 - Data Weighted
 - Reports Available
 - Reports Viewed

Aug	Sep	Oct	Nov	Dec
				
				
	<div data-bbox="453 1021 1668 1228"><p>Data Weighted: 12-1-17 1:42:20 PM Reports Available: 2-18-18 10:15:37 AM Reports Viewed: 3-21-18 2:37:01 PM</p></div>			

Forms

[CDC](#) > > [BRFSS Data Submission Home](#)


Form Submissions

State

Survey Year

Form Type

Status

Page Show records 

State	Year	Form	Status	LastUpdateDate	Options
New Mexico	2018	Information Request	Submitted	1/4/2018 1:38:52 PM	 
New Mexico	2018	Annual Self-Certification	Submitted	11/2/2017 12:48:07 PM	 

BRFSS Data Submission Home

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Forms

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New Mexico 2015 Information Request

Please complete this form. Submit by November 30, 2014. Telephone or E-mail your Project Officer if you have any questions when completing this form, or if you expect a delay in returning it.

1 Please answer the following about the 2015 surveillance year.

(1) Computer system to be used by interviewers to enter BRFSS survey data:

- Ci3
- Sensus
- Other (specify)

(2) Computer system used to manage sample:

- WinCATI (Ci3, Sensus)
- Other (specify)

Forms

Form Submission

[Section 1](#)[Section 2](#)[Section 3](#)[Section 4](#)[Review](#)

New Mexico 2015 Information Request

Please complete this form. Submit by November 30, 2014. Telephone or E-mail your Project Officer if you have any questions when completing this form, or if you expect a delay in returning it.

2 State-Added Questions

(1) Will you have state-added questions?

No

Yes (how many)

Save

Continue »

Cancel

Forms

[Print this page](#)

New Mexico 2015 Information Request

Please complete this form. Submit by November 30, 2014. Telephone or E-mail your Project Officer if you have any questions when completing this form, or if you expect a delay in returning it.

1 Please answer the following about the 2015 surveillance year.

(1) Computer system to be used by interviewers to enter BRFSS survey data:

- *Ci3*

(2) Computer system used to manage sample:

- *WinCATI (Ci3, Sensus)*

(3) Mode to change during data collection year? e.g., CASS to WinCATI

- *No*

(4) Please indicate what "other" languages the state BRFSS Questionnaire will be conducted in the upcoming collection year.

Module Usage

BRFSS Data Submission Home

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Module Usage

Module

Survey Year

Module	Survey Type	State(s)
Healthcare Access	Combined	New Mexico
Industry and Occupation	Combined	New Mexico
Pre-Diabetes	Combined	New Mexico

(1) In survey 1

(2) In survey 2

(3) In survey 3

Modules with no survey designation are common to all versions

Module Usage

Module	Survey Type	State(s)
Alcohol Screening & Brief Intervention (ASBI)	Cell Phone	Colorado (2)
	Land Line	Colorado (2)
Diabetes	Cell Phone	Colorado
	Land Line	Colorado
Pre-Diabetes	Cell Phone	Colorado (2)
	Land Line	Colorado (2)
Social Determinants of Health	Cell Phone	Colorado (1)
	Land Line	Colorado (1)

(1) In survey 1

(2) In survey 2

(3) In survey 3

Modules with no survey designation are common to all versions

Questions

Thank You
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For more information please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA30333

Telephone: 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



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Appendix F: Understanding the YTD Data Quality Reports

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2017 State Data Quality Reports

Rick Anderson Senior SAS Programmer
Northrop Grumman

Friday, November 2, 2018

SAMPLE BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, DATA QUALITY REPORT FOR 2017

Definitions of Variables

File Month.

Each data file submitted to CDC contains the name of a month in the filename. The “January” file month contains the January sample.

Household Roster Status.

- **None:** Three variables, the number of Adults (**NUMADULT**), Men (**NUMMEN**), and Women (**NUMWOMEN**) are all missing
- **Partial:** One or two of these variables (NUMADULT, NUMMEN, NUMWOMEN) are missing
- **Inconsistent:** All variables are present/non-missing but NUMADULT not equal to the sum of NUMMEN and NUMWOMEN
- **Consistent:** All variables are present/non-missing and NUMADULT equals the sum of NUMMEN and NUMWOMEN

Density Strata (Landline only).

Categorized as Listed (published dataset) or Not listed one-plus block.

Disposition Code Eligibility Categories.

Completed Interviews (COIN)	= 1100+1200
Eligible (ELIG)	= 1100+1200+2111+2112+2120+2220+2320+2330
Contacted Eligible (CONELIG)	= 1100+1200+2111+2112+2120+2320+2330
Known Households (HH)	= 1100+1200+2111+2112+2120+2210+2320+2330+3200+3700
Terminations and Refusals (TERE)	= 2111+2112+2120

Ineligible Phone Numbers (INELIG) = All 4000 Disposition Codes

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SAMPLE BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, DATA QUALITY REPORT FOR 2017

2017 Final Disposition Codes

Category	Disposition Codes	Description
Completed Interviews	1100	Complete
	1200	Partial Complete
Non completed, known eligible	2111	Household level refusal
	2112	Known respondent refusal
	2120	Breakoff/termination within questionnaire
	2210	Respondent never available
	2220	Household answering device (landline only)
	2320	Respondent physically or mentally unable to complete interview
	2330	Language barrier, selected respondent
Non completed, unknown eligibility	3100	Unknown if housing unit
	3130	No answer
	3140	Answering device, unknown if residence or respondent eligible
	3150	Telecommunication barrier
	3200	Household, not known if respondent eligible
	3330	Language barrier (household level)
	3322	Physical or mental impairment (household level)
	3700	On never call list
Ineligible	4100	Out of sample
	4200	Fax/data/modem
	4300	Nonworking number/disconnected
	4400	Special technological circumstances
	4430	Call forwarding/pager
	4450	Cell phone (landline only)
	4460	Landline (cell phone only)

4500

4510

4700

4900

Non-residence

Group home

Household no eligible respondent

Miscellaneous, non-eligible

2017 Year-To-Date Data Quality Report

Section I: Sample Generation, Release, and Submission

Table 1. Density Stratum By File Month

(Landline only)

	Density Stratum					
	Listed		Not listed One-Plus Block		Not Applicable	
File Month	Number	Percent	Number	Percent	Number	Percent
January	5,193	34.41	9,897	65.59		
February	5,193	34.41	9,897	65.59		
March	11,646	34.54	22,074	65.46		
April	9,044	30.61	20,506	69.39		
May	9,044	30.61	20,506	69.39		
June	9,044	30.61	20,506	69.39		
July	7,905	30.36	18,135	69.64		
August	7,905	30.36	18,135	69.64		
September	7,905	30.36	18,135	69.64		
October	8,561	29.73	20,239	70.27		

November	9,008	29.76	21,262	70.24		
December	8,561	29.73	20,239	70.27		

2017 Year-To-Date Data Quality Report

Section I: Sample Generation, Release, and Submission

Table 2A. Number of Records in Replicate by File Month

(Landline only)

Replicates with Number of Records => (sent to the CDC)						
	Less than 30		Equal to 30		Greater than 30	
File Month	Number	Percent	Number	Percent	Number	Percent
January	0	0.00	503	100.00	0	0.00
February	0	0.00	503	100.00	0	0.00
March	0	0.00	1124	100.00	0	0.00
April	0	0.00	985	100.00	0	0.00
May	0	0.00	985	100.00	0	0.00
June	0	0.00	985	100.00	0	0.00
July	0	0.00	868	100.00	0	0.00
August	0	0.00	868	100.00	0	0.00
September	0	0.00	868	100.00	0	0.00
October	0	0.00	960	100.00	0	0.00

November	0	0.00	1009	100.00	0	0.00
December	0	0.00	960	100.00	0	0.00

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2017 Year-To-Date Data Quality Report

Section I: Sample Generation, Release, and Submission

Table 2B. Number of Records in Replicate by File Month

(Cell Phone only)

Replicates with Number of Records => (sent to the CDC)						
	Less than 30		Equal to 30		Greater than 30	
File Month	Number	Percent	Number	Percent	Number	Percent
January	0	0.00	208	100.00	0	0.00
February	0	0.00	206	100.00	0	0.00
March	0	0.00	207	100.00	0	0.00
April	0	0.00	196	100.00	0	0.00
May	0	0.00	195	100.00	0	0.00
June	0	0.00	196	100.00	0	0.00
July	0	0.00	206	100.00	0	0.00
August	0	0.00	206	100.00	0	0.00
September	0	0.00	207	100.00	0	0.00
October	0	0.00	426	100.00	0	0.00

November	0	0.00	431	100.00	0	0.00
December	0	0.00	292	100.00	0	0.00

2017 Year-To-Date Data Quality Report

Section I: Sample Generation, Release, and Submission Table 3A. Interview Month, By File Month
(Landline only)

Interview Month	File Month																								
	January		February		March		April		May		June		July		August		September		October		November		December		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	
January	12,468	82.6																							
February	2,622	17.4	14,913	98.8	4																				
March			177	1.2	33,647	99.8																			
April					69	0.2	29,497	99.8																	
May							53	0.2	24,704	83.6															
June									4,846	16.4	29,532	99.9													
July											18	0.1	25,204	96.8											
August													836	3.2	25,200	96.8									
September															840	3.2	23,269	89.4							
October																	2,771	10.6	27,948	97.0					
November																			852	3.0	30,196	99.8			
December																					74	0.2	28,800	100.0	

Total	15,090	100.0	15,090	100.0	33,720	100.0	29,550	100.0	29,550	100.0	29,550	100.0	26,040	100.0	26,040	100.0	26,040	100.0	28,800	100.0	30,270	100.0	28,800	100.0
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2017 Year-To-Date Data Quality Report

Section I: Sample Generation, Release, and Submission

Table 3B. Interview Month, By File Month

(Cell Phone only)

Interview Month	File Month																							
	January		February		March		April		May		June		July		August		September		October		November		December	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
January	3,388	54.3																						
February	2,852	45.7	6,159	99.7																				
March			21	0.3	6,193	99.7																		
April					17	0.3	5,804	98.7																
May							76	1.3	5,350	91.5														
June									500	8.5	5,862	99.7												
July											18	0.3	3,859	62.4										
August													2,321	37.6	3,410	55.2								
September															2,770	44.8	3,665	59.0						
October																	2,545	41.0	8,134	63.6				
November																			4,646	36.4	9,450	73.1		

December																					3,480	26.9	8,760	100.0
Total	6,240	100.0	6,180	100.0	6,210	100.0	5,880	100.0	5,850	100.0	5,880	100.0	6,180	100.0	6,180	100.0	6,210	100.0	12,780	100.0	12,930	100.0	8,760	100.0

3,388 54.3

2,852 45.7 6,159 99.7

21 0.3 6,193 99.7

17 0.3 5,804 98.7

76 1.3 5,350 91.5

500 8.5 5,862 99.7

18 0.3 3,859 62.4

2,321 37.6 3,410 55.2

2,770 44.8 3,665 59.0

2,545 41.0 8,134 63.6

4,646 36.4 9,450 73.1

3,480 26.9 8,760 100.0

2017 Year-To-Date Data Quality Report

Section II: Bias

Table 4A. Discrepancy in Sex Between Population Estimates and Unweighted BRFSS Data, Year-to-Date

(Base=Completes only; Landline interviews from state/territory residents only)

Sex	Unweighted Frequency from BRFSS Data	Unweighted Percent from BRFSS Data	Population Frequency	Population Percent	Percentage Point Difference Between BRFSS and Population
Male	2,212	34.24	10,248,978	49.15	-14.91
Female	4,243	65.67	10,603,536	50.85	14.82
Refused	6	0.09			

Total	6,461		20,852,514		
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2017 Year-To-Date Data Quality Report

Section II: Bias

Table 4B. Discrepancy in Sex Between Population Estimates and Unweighted BRFSS Data, Year-to-Date

(Base=Completes only; Cell Phone interviews from state/territory residents, including those interviewed by other states/territories)

Sex	Unweighted Frequency from BRFSS Data	Unweighted Percent from BRFSS Data	Population Frequency	Population Percent	Percentage Point Difference Between BRFSS and Population
Male	2,278	47.94	10,248,978	49.15	-1.21
Female	2,466	51.89	10,603,536	50.85	1.04
Refused	8	0.17			

Total	4,752		20,852,514		
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2017 Year-To-Date Data Quality Report

Section II: Bias

Table 5A. Discrepancy in Age Between Population Estimates and Unweighted BRFSS Data, Year-to-Date

(Base=Completes only; Landline interviews from state/territory residents only)

Age Group	Unweighted Frequency from BRFSS Data	Unweighted Percent from BRFSS Data	Population Frequency	Population Percent	Percentage Point Difference Between BRFSS and Population
Don't Know Refused	105				
18-24	70	1.10	2,861,239	13.72	-12.62
25-34	173	2.72	3,990,054	19.13	-16.41
35-44	406	6.39	3,766,590	18.06	-11.68
45-54	730	11.49	3,562,450	17.08	-5.60
55-64	1,358	21.37	3,197,830	15.34	6.03
65-74	1,795	28.24	2,102,318	10.08	18.16
75 +	1,824	28.70	1,372,033	6.58	22.12

Total	6,461		20,852,514		
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Friday, November 2, 2018

2017 Year-To-Date Data Quality Report

Section II: Bias

Table 5B. Discrepancy in Age Between Population Estimates and Unweighted BRFSS Data, Year-to-Date

(Base=Completes only; Cell Phone interviews from state/territory residents, including those interviewed by other states/territories)

Age Group	Unweighted Frequency from BRFSS Data	Unweighted Percent from BRFSS Data	Population Frequency	Population Percent	Percentage Point Difference Between BRFSS and Population
Don't Know Refused	72				
18-24	491	10.49	2,861,239	13.72	-3.23
25-34	839	17.93	3,990,054	19.13	-1.21
35-44	854	18.25	3,766,590	18.06	0.18
45-54	782	16.71	3,562,450	17.08	-0.37
55-64	862	18.42	3,197,830	15.34	3.08
65-74	593	12.67	2,102,318	10.08	2.59

75 +	259	5.53	1,372,033	6.58	-1.05
Total	4,752		20,852,514		

2017 Year-To-Date Data Quality Report

Section II: Bias

Table 6A. Discrepancy in Race/Ethnicity Between Population Estimates and Unweighted BRFSS Data, Year-to-Date

(Base=Completes only; Landline interviews from state/territory residents only)

Race Group	Unweighted Frequency from BRFSS Data	Unweighted Percent from BRFSS Data	Population Frequency	Population Percent	Percentage Point Difference Between BRFSS and Population
White, Non-Hispanic	4,337	67.13	9,719,049	46.61	20.52
Black, Non-Hispanic	529	8.19	2,427,850	11.64	-3.46
Asian/Pacific Islander, Non-Hispanic	93	1.44	1,002,816	4.81	-3.37
Am Indian/Native American, Non-Hispanic	59	0.91	72,046	0.35	0.57
Hispanic	1,264	19.56	7,344,003	35.22	-15.66
Undetermined/Multi-Racial	179	2.77	286,750	1.38	1.40

Total	6,461		20,852,514		
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2017 Year-To-Date Data Quality Report

Section II: Bias

Table 6B. Discrepancy in Race/Ethnicity Between Population Estimates and Unweighted BRFSS Data, Year-to-Date

(Base=Completes only; Cell Phone interviews from state/territory residents, including those interviewed by other states/territories)

Race Group	Unweighted Frequency from BRFSS Data	Unweighted Percent from BRFSS Data	Population Frequency	Population Percent	Percentage Point Difference Between BRFSS and Population
White, Non-Hispanic	2,295	48.30	9,719,049	46.61	1.69
Black, Non-Hispanic	350	7.37	2,427,850	11.64	-4.28
Asian/Pacific Islander, Non-Hispanic	121	2.55	1,002,816	4.81	-2.26
Am Indian/Native American, Non-Hispanic	44	0.93	72,046	0.35	0.58
Hispanic	1,800	37.88	7,344,003	35.22	2.66
Undetermined/Multi- Racial	142	2.99	286,750	1.38	1.61

Total	4,752		20,852,514		
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2017 Year-To-Date Data Quality Report

Section II: Bias

Table 7A. Geo-Stratum by File Month, Year-to-Date

Base=Completes only (Landline only)

Geo-Str	File Month																								Year-To-Date	
	January		February		March		April		May		June		July		August		September		October		November		December			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
101	9	2.4	8	2.3	18	2.3	1	0.2	1	0.2	1	0.2	4	0.7	1	0.2	4	0.8	5	1.0	7	1.3	6	1.3	65	1.0
102	12	3.1	15	4.3	59	7.4	33	5.5	39	6.7	26	4.1	23	4.0	28	5.8	23	4.3	68	13.0	60	10.9	56	12.2	442	6.8
103	18	4.7	11	3.2	63	7.9	66	10.9	93	16.0	96	15.3	36	6.2	31	6.4	28	5.3	29	5.5	22	4.0	20	4.4	513	7.9
104	14	3.7	9	2.6	33	4.2	24	4.0	15	2.6	20	3.2	17	2.9	19	3.9	11	2.1	23	4.4	22	4.0	22	4.8	229	3.5
116	16	4.2	9	2.6	35	4.4	35	5.8	37	6.3	36	5.7	42	7.3	31	6.4	51	9.6	19	3.6	32	5.8	13	2.8	356	5.5
117	12	3.1	12	3.4	45	5.7	40	6.6	31	5.3	30	4.8	30	5.2	20	4.1	28	5.3	38	7.3	39	7.1	41	9.0	366	5.7
118	10	2.6	7	2.0	8	1.0	1	0.2	1	0.2	1	0.2									1	0.2	2	0.4	31	0.5

119	10	2.6	6	1.7	8	1.0	1	0.2	1	0.2	2	0.3	2	0.3	1	0.2	1	0.2	3	0.6	1	0.2	5	1.1	41	0.6
Total	381	100.0	349	100.0	793	100.0	603	100.0	583	100.0	628	100.0	578	100.0	486	100.0	530	100.0	524	100.0	548	100.0	458	100.0	6,461	100.0

2017 Year-To-Date Data Quality Report

Section II: Bias

Table 7B. Geo-Stratum by File Month, Year-to-Date **Base=Completes only** (Cell phone only)

	File Month																								Year-To-Date		
	January		February		March		April		May		June		July		August		September		October		November		December				
Geo-Str	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	
201	13	3.6	14	3.8	9	2.5							8	2.7	2	0.6	4	1.1	7	0.9	13	2.2	1	0.3	71	1.5	
202	17	4.7	18	4.9	11	3.0	8	2.5	12	4.0	19	6.1	14	4.8	26	7.9	24	6.4	21	2.8	17	2.8	9	2.4	196	4.1	
203	14	3.8	11	3.0	21	5.8	33	10.3	34	11.3	29	9.4	18	6.2	14	4.3	22	5.9	21	2.8	10	1.7	15	3.9	242	5.1	
204	21	5.8	17	4.6	12	3.3	16	5.0	22	7.3	19	6.1	36	12.3	30	9.1	22	5.9	15	2.0	15	2.5	7	1.8	232	4.9	
216	16	4.4	8	2.2	18	5.0	32	10.0	25	8.3	30	9.7	14	4.8	15	4.6	23	6.2	14	1.8	21	3.5	11	2.9	227	4.8	
217	13	3.6	7	1.9	14	3.9	3	0.9	4	1.3	6	1.9	1	0.3	5	1.5	7	1.9	8	1.1	8	1.3	6	1.6	82	1.7	
218	4	1.1	8	2.2	4	1.1	1	0.3	3	1.0	1	0.3	3	1.0	6	1.8	4	1.1			1	0.2	5	1.3	40	0.8	

219	25	6.8	30	8.2	35	9.7	26	8.1	15	5.0	32	10.3	18	6.2	22	6.7	28	7.5	27	3.6	25	4.2	19	5.0	302	6.4
Total	365	100.0	367	100.0	362	100.0	321	100.0	300	100.0	310	100.0	292	100.0	328	100.0	373	100.0	757	100.0	597	100.0	380	100.0	4,752	100.0

Year-To-Date Data Quality Report
Section III: Magnitude and Consistency of Effort

Table 8A. Date, Day of Week, Number of Interviewers and Final Disposition Code, By File Month
(Base= records with one or more attempts; Landline only)

File Month	Date of Final Disposition	Day of Week	Number of Interviewers	Number Completes	Percent Completed	Cumulative Percent	Number Incomplete Eligible Household	Number Ineligible Household	Number Non-Working	Number Other Dispositions	Number of Final Dispositions
January	01/10/2017	Tuesday	2	0	0.00	0.00	0	0	91	9	100
January	01/11/2017	Wednesday	1	1	0.01	0.01	0	0	116	12	129
January	01/12/2017	Thursday	4	1	0.01	0.03	0	0	304	29	334
January	01/13/2017	Friday	6	2	0.03	0.06	0	0	439	37	478
January	01/14/2017	Saturday	1	7	0.10	0.16	1	0	30	3	41
January	01/15/2017	Sunday	9	2	0.03	0.19	0	0	444	36	482
January	01/16/2017	Monday	12	17	0.24	0.43	3	0	156	105	281
January	02/08/2017	Wednesday	4	5	0.07	5.22	11	1	2	25	44
January	02/09/2017	Thursday	7	11	0.16	5.38	72	0	14	216	313
January	02/10/2017	Friday	15	5	0.07	5.45	28	0	3	65	101
January	02/11/2017	Saturday	5	2	0.03	5.48	13	0	0	21	36

January	02/12/2017	Sunday	1	0	0.00	5.48	4	0	0	2	6
				381	5.48		383	7	2,819	3,360	6,950

2017 Year-To-Date Data Quality Report Section III: Magnitude and Consistency of Effort

Table 8B. Date, Day of Week, Number of Interviewers and Final Disposition Code, By File Month (**Base= records with one or more attempts;**
Cell phone only, restricted to state/territory)

File Month	Date of Final Disposition	Day of Week	Number of Interviewers	Number Completes	Percent Completed	Cumulative Percent	Number Incomplete Eligible Respondent	Number Ineligible Respondent	Number Non-Working	Number Other Dispositions	Number of Final Dispositions
January	01/12/2017	Thursday	3	4	0.09	0.09	0	0	9	4	17
January	01/13/2017	Friday	2	2	0.04	0.13	0	1	10	1	14
January	01/14/2017	Saturday	1	1	0.02	0.15	0	1	0	0	2
January	01/15/2017	Sunday	6	7	0.15	0.31	0	1	6	0	14
January	01/16/2017	Monday	7	7	0.15	0.46	4	4	51	24	90
January	01/17/2017	Tuesday	7	8	0.18	0.64	0	1	36	14	59
January	02/07/2017	Tuesday	16	9	0.20	6.46	2	3	8	34	56
January	02/08/2017	Wednesday	27	26	0.57	7.03	23	2	6	670	727
January	02/09/2017	Thursday	12	22	0.49	7.52	23	1	4	957	1,007
January	02/10/2017	Friday	23	23	0.51	8.02	11	0	1	505	540

January	02/11/2017	Saturday	2	1	0.02	8.05	2	0	0	7	10
				365	8.05		94	70	1,065	2,942	4,536

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2017 Year-To-Date Data Quality Report Section III: Magnitude and Consistency of Effort

Table 9A. Number and Percent of Completes in the First 5, 10, 15, 20, and 25 Days by File Month (Landline only)

File Month	Monthly Interviews Completed	Number and Percent of Interviews with Final Disposition Codes of 1100 (Complete) and 1200 (Partial Complete) Completed in the									
File Month	Monthly Total	5 days	% of monthly interviews	10 days	% of monthly interviews	15 days	% of monthly interviews	20 days	% of monthly interviews	25 days	% of monthly interviews
January	381	44	11.5	71	18.6	86	22.6	250	65.6	318	83.5
February	349	16	4.6	181	51.9	261	74.8	318	91.1	339	97.1
March	793	395	49.8	590	74.4	650	82.0	705	88.9	737	92.9
April	603	236	39.1	327	54.2	420	69.7	483	80.1	519	86.1
May	583	73	12.5	217	37.2	348	59.7	446	76.5	530	90.9
June	628	177	28.2	395	62.9	479	76.3	533	84.9	577	91.9
July	578	100	17.3	337	58.3	420	72.7	466	80.6	524	90.7
August	486	90	18.5	278	57.2	336	69.1	389	80.0	450	92.6
September	530	110	20.8	263	49.6	353	66.6	423	79.8	483	91.1

October	524	92	17.6	282	53.8	366	69.8	429	81.9	481	91.8
November	548	166	30.3	335	61.1	416	75.9	466	85.0	486	88.7
December	458	209	45.6	305	66.6	341	74.5	379	82.8	410	89.5

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Section III: Magnitude and Consistency of Effort

Table 9B. Number and Percent of Completes in the First 5, 10, 15, 20, and 25 Days by File Month

(Cell phone only, restricted to interviews from state/territory)

File Month	Monthly Interviews Completed	Number and Percent of Interviews with Final Disposition Codes of 1100 (Complete) and 1200 (Partial Complete) Completed in the									
File Month	Monthly Total	5 days	% of monthly interviews	10 days	% of monthly interviews	15 days	% of monthly interviews	20 days	% of monthly interviews	25 days	% of monthly interviews
January	365	58	15.9	145	39.7	160	43.8	200	54.8	290	79.5
February	367	4	1.1	33	9.0	157	42.8	252	68.7	312	85.0
March	362	2	0.6	88	24.3	178	49.2	246	68.0	293	80.9
April	321	1	0.3	85	26.5	132	41.1	159	49.5	222	69.2
May	300	15	5.0	69	23.0	101	33.7	152	50.7	204	68.0
June	310	2	0.6	65	21.0	135	43.5	187	60.3	240	77.4
July	292	48	16.4	92	31.5	143	49.0	188	64.4	235	80.5
August	328	17	5.2	54	16.5	202	61.6	231	70.4	283	86.3
September	373	51	13.7	117	31.4	165	44.2	271	72.7	331	88.7
October	757	153	20.2	180	23.8	336	44.4	473	62.5	613	81.0

November	597	98	16.4	121	20.3	310	51.9	407	68.2	472	79.1
December	380	0	0.0	93	24.5	192	50.5	258	67.9	293	77.1

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2017 Year-To-Date Data Quality Report Section III: Magnitude and Consistency of Effort

Table 10A. Date and Day of Week of Final Disposition Code, By File Month

(Base= numbers with one or more attempts; Landline only)

File Month	Date of Final Disposition	Day of Week	Number of Interviewers	Number of Dispositions	Percent Completed	Cumulative Percent	Minimum Number of Attempts	Mean Number of Attempts	Maximum Number of Attempts
January	01/10/2017	Tuesday	2	100	1.44	1.44	1	1	1
January	01/11/2017	Wednesday	1	129	1.86	3.29	1	1	1
January	01/12/2017	Thursday	4	334	4.81	8.10	1	1	3
January	01/13/2017	Friday	6	478	6.88	14.98	1	1	1
January	01/14/2017	Saturday	1	41	0.59	15.57	1	1	1
January	01/15/2017	Sunday	9	482	6.94	22.50	1	1	1
January	02/09/2017	Thursday	7	313	4.50	97.94	13	15	16
January	02/10/2017	Friday	15	101	1.45	99.40	14	15	17
January	02/11/2017	Saturday	5	36	0.52	99.91	14	16	17

January	02/12/2017	Sunday	1	6	0.09	100.00	17	17	17
			405	6,950	100.00				

2017 Year-To-Date Data Quality Report Section III: Magnitude and Consistency of Effort

Table 10B. Date and Day of Week of Final Disposition Code, By File Month (Base= numbers with one or more attempts; Cell phone only, restricted to state/territory)

File Month	Date of Final Disposition	Day of Week	Number of Interviewers	Number of Dispositions	Percent Completed	Cumulative Percent	Minimum Number of Attempts	Mean Number of Attempts	Maximum Number of Attempts
January	01/12/2017	Thursday	3	17	0.37	0.37	1	1	2
January	01/13/2017	Friday	2	14	0.31	0.68	1	1	1
January	01/14/2017	Saturday	1	2	0.04	0.73	1	1	1
January	01/15/2017	Sunday	6	14	0.31	1.04	1	1	1
January	01/16/2017	Monday	7	90	1.98	3.02	1	2	2
January	01/17/2017	Tuesday	7	59	1.30	4.32	1	2	3
January	02/08/2017	Wednesday	27	727	16.03	65.67	7	8	10
January	02/09/2017	Thursday	12	1,007	22.20	87.87	8	8	9
January	02/10/2017	Friday	23	540	11.90	99.78	8	8	9

January	02/11/2017	Saturday	2	10	0.22	100.00	9	9	10
			308	4,536	100.00				

2017 Year-To-Date Data Quality Report

Section III: Magnitude and Consistency of Effort

Table 11A. Eligibility and Status by Categories of Disposition Code, Year-to-Date

(Landline only)

Number of listed landline sample: 99009

Number of unlisted landline sample: 219531

	Frequency Listed + Not Listed 6,461	Percent Listed + Not Listed 2.03	Frequency Listed 5,874	Percent Listed 5.93	Frequency Not Listed 587	Percent Not Listed 0.27
Disposition Status COIN (Completes and Partial Completes)	2,794	0.88	2,479	2.50	315	0.14
TERE (Break offs, terminations, and refusals)	16,186	5.08	14,368	14.51	1,818	0.83
HH (Known households)	13,325	4.18	11,896	12.02	1,429	0.65
ELIG (Eligible)	249,240	78.24	45,881	46.34	203,359	92.63
INELIG (Ineligible)	55,975	17.57	41,232	41.64	14,743	6.72
UNKELIG (Unknown eligible)						

Note: Categories are not mutually exclusive, total percents can be more than 100%

2017 Year-To-Date Data Quality Report

Section III: Magnitude and Consistency of Effort

Table 11B. Eligibility and Status by Categories of Disposition Code, Year-to-Date (Cell phone only, restricted to state/territory, does not include out of state interviews)

Disposition Status	Frequency	Percent
COIN (Completes and Partial Completes)	4,752	5.32
TERE (Break offs, terminations, and refusals)	1,355	1.52
HH (Known households)	6,338	7.10
ELIG (Eligible)	6,334	7.09
INELIG (Ineligible)	41,454	46.43

Total	108,059	121.03
Note: Categories are not mutually exclus	ive, total per	cent can be more than 100%

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Section III: Magnitude and Consistency of Effort

Table 12A. Eligibility and Status by Categories of Disposition Code, by File Month

(Landline only)

File Month	COIN (Completes and Partial Completes)		TERE (Break offs, terminations, and refusals)		HH (Known households)		ELIG (Eligible)		INELIG (Ineligible)	
	N	%	N	%	N	%	N	%	N	%
January	381	6	185	7	923	6	764	6	11,568	5
February	349	5	161	6	849	5	694	5	11,667	5
March	793	12	283	10	1,849	11	1,521	11	26,166	10
April	603	9	238	9	1,468	9	1,208	9	22,927	9
May	583	9	276	10	1,538	10	1,278	10	23,021	9
June	628	10	274	10	1,478	9	1,227	9	23,007	9
July	578	9	239	9	1,361	8	1,148	9	19,985	8
August	486	8	214	8	1,293	8	973	7	21,781	9
September	530	8	244	9	1,437	9	1,194	9	20,176	8
October	524	8	250	9	1,435	9	1,178	9	22,551	9

November	548	8	234	8	1,359	8	1,147	9	23,785	10
December	458	7	196	7	1,196	7	993	7	22,606	9

2017 Year-To-Date Data Quality Report Section III: Magnitude and Consistency of Effort

Table 12B. Eligibility and Status by Categories of Disposition Code, by File Month (Cell phone only, restricted to state/territory, does not include out of state interviews)

File Month	COIN (Completes and Partial Completes)		TERE (Break offs, terminations, and refusals)		HH (Known households)		ELIG (Eligible)		INELIG (Ineligible)	
	N	%	N	%	N	%	N	%	N	%
January	365	8	76	6	459	7	459	7	2,947	7
February	367	8	80	6	466	7	466	7	2,938	7
March	362	8	76	6	456	7	456	7	2,908	7
April	321	7	111	8	451	7	449	7	2,696	7
May	300	6	100	7	413	7	413	7	2,681	6
June	310	7	84	6	410	6	410	6	2,732	7
July	292	6	101	7	405	6	405	6	2,957	7
August	328	7	121	9	467	7	466	7	2,735	7
September	373	8	105	8	486	8	486	8	2,795	7
October	757	16	213	16	1,000	16	999	16	5,881	14

November	597	13	165	12	802	13	802	13	6,136	15
December	380	8	123	9	523	8	523	8	4,048	10

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2017 Year-To-Date Data Quality Report
Section III: Magnitude and Consistency of Effort
Table 13A. Detailed Disposition Code, Year-to-Date
(Landline only)

Disposition Code-Description	Frequency	Percent
1100 - Complete	5,715	1.8
1200 - Partial complete	746	0.2
2111 - Household level refusal	982	0.3
2112 - Known respondent refusal	1,100	0.3
2120 - Breakoff/termination within questionnaire	712	0.2
2210 - Respondent never available	1,200	0.4
2220 - Household answering device(landline only)	2,352	0.7
2320 - Respondent physically or mentally unable to complete	483	0.2
2330 - Language barrier, selected respondent	35	0.0
3100 - Unknown if housing unit	14,491	4.5
3130 - No answer	16,076	5.0
3140 - Answering device, unknown if residence or respondent	19,804	6.2
3150 - Telecommunication barrier	1,954	0.6
3200 - Household, not known if respondent eligible	2,861	0.9
3322 - Physical or mental impairment(household level)	619	0.2
3330 - Language barrier(household level)	170	0.1
4100 - Out of sample	118	0.0
4200 - Fax/data/modem	6,335	2.0
4300 - Nonworking number/disconnected	197,950	62.1
4400 - Technological barrier	17,306	5.4
4430 - Call forwarding/pager	50	0.0
4450 - Cell phone (landline only)	3,612	1.1
4500 - Non-residence	22,161	7.0

4510 - Group home	65	0.0
4700 - Household no eligible respondent	18	0.0
4900 - Miscellaneous, non-eligible	1,625	0.5
All disposition codes	318,540	100.0

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Section III: Magnitude and Consistency of Effort

Table 13B. Detailed Disposition Code, Year-to-Date

(Cell phone only, restricted to state/territory, does not include out of state interviews)

Disposition Code-Description	Frequency	Percent
1100 - Complete	3,873	4.3
1200 - Partial complete	879	1.0
2112 - Known respondent refusal	588	0.7
2120 - Breakoff/termination within questionnaire	767	0.9
2210 - Respondent never available	189	0.2
2320 - Respondent physically or mentally unable to complete interview	21	0.0
2330 - Language barrier, selected respondent	17	0.0
3100 - Unknown if housing unit	23,052	25.8
3130 - No answer	540	0.6
3140 - Answering device, unknown if residence or respondent available	16,760	18.8
3150 - Telecommunication barrier	563	0.6
3200 - Household, not known if respondent eligible	3	0.0
3322 - Physical or mental impairment(household level)	191	0.2
3330 - Language barrier(household level)	382	0.4
3700 - On never call list	1	0.0
4100 - Out of sample	67	0.1
4200 - Fax/data/modem	18	0.0
4300 - Nonworking number/disconnected	29,701	33.3
4400 - Technological barrier	8,837	9.9
4430 - Call forwarding/pager	8	0.0
4460 - Landline (cell phone only)	341	0.4
4500 - Non-residence	1,628	1.8

4510 - Group home	25	0.0
4700 - Household no eligible respondent	808	0.9
4900 - Miscellaneous, non-eligible	21	0.0
All disposition codes	89,280	100.0

1100 - Complete 3,873 4.3

3100 - Unknown if housing unit 23,052 25.8

3140 - Answering device, unknown if residence or respondent available 16,760 18.8

4300 - Nonworking number/disconnected 29,701 33.3

4400 - Technological barrier 8,837 9.9

4500 - Non-residence 1,628 1.8

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2017 Year-To-Date Data Quality Report Section III: Magnitude and Consistency of Effort

Table 14A. Detailed Disposition Code, by File Month

(Landline only)

		File Month																							
Disposition		January		February		March		April		May		June		July		August		September		October		November		December	
Code	Description	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1100	Complete	336	2.2	314	2.1	703	2.1	539	1.8	512	1.7	559	1.9	520	2.0	429	1.6	461	1.8	459	1.6	476	1.6	407	1.4
1200	Partial complete	45	0.3	35	0.2	90	0.3	64	0.2	71	0.2	69	0.2	58	0.2	57	0.2	69	0.3	65	0.2	72	0.2	51	0.2
2111	Household level refusal	55	0.4	44	0.3	120	0.4	97	0.3	99	0.3	107	0.4	86	0.3	65	0.2	79	0.3	83	0.3	77	0.3	70	0.2
2112	Known respondent refusal	82	0.5	75	0.5	103	0.3	81	0.3	111	0.4	97	0.3	90	0.3	84	0.3	102	0.4	103	0.4	103	0.3	69	0.2
4450	Cell phone (landline only)	151	1.0	194	1.3	438	1.3	364	1.2	324	1.1	326	1.1	299	1.1	268	1.0	287	1.1	343	1.2	321	1.1	297	1.0
4500	Non-residence	985	6.5	967	6.4	2,195	6.5	2,120	7.2	2,097	7.1	1,973	6.7	1,878	7.2	1,909	7.3	1,897	7.3	2,154	7.5	2,077	6.9	1,909	6.6
4510	Group home	1	0.0	2	0.0	11	0.0	8	0.0	3	0.0	6	0.0	5	0.0	3	0.0	6	0.0	4	0.0	10	0.0	6	0.0
4700	Household no eligible respondent	1	0.0			1	0.0	2	0.0	1	0.0	3	0.0	2	0.0	1	0.0	1	0.0			3	0.0	3	0.0

4900	Miscellaneous, non-eligible															1,615	6.2	8	0.0	2	0.0				
		15,090	100.0	15,090	100.0	33,720	100.0	29,550	100.0	29,550	100.0	29,550	100.0	26,040	100.0	26,040	100.0	26,040	100.0	28,800	100.0	30,270	100.0	28,800	100.0

2017 Year-To-Date Data Quality Report Section III: Magnitude and Consistency of Effort

Table 14B. Detailed Disposition Code, by File Month

(Cell phone only, restricted to state/territory, does not include out of state interviews)

		File Month																							
Disposition		January		February		March		April		May		June		July		August		September		October		November		December	
Code	Description	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1100	Complete	288	4.6	307	5.0	310	5.0	260	4.4	252	4.3	253	4.3	246	4.0	272	4.4	305	4.9	591	4.6	486	3.8	303	3.5
1200	Partial complete	77	1.2	60	1.0	52	0.8	61	1.0	48	0.8	57	1.0	46	0.7	56	0.9	68	1.1	166	1.3	111	0.9	77	0.9
2112	Known respondent refusal	34	0.5	33	0.5	28	0.5	42	0.7	55	0.9	27	0.5	49	0.8	52	0.8	45	0.7	100	0.8	71	0.5	52	0.6
4460	Landline (cell phone only)	20	0.3	15	0.2	19	0.3	27	0.5	37	0.6	39	0.7	29	0.5	23	0.4	33	0.5	39	0.3	36	0.3	24	0.3
4500	Non-residence	105	1.7	87	1.4	126	2.0	126	2.1	89	1.5	107	1.8	147	2.4	109	1.8	135	2.2	232	1.8	211	1.6	154	1.8
4510	Group home	2	0.0	1	0.0	1	0.0	2	0.0	1	0.0	3	0.1	2	0.0	1	0.0	3	0.0	7	0.1	2	0.0		
4700	Household no eligible respondent	46	0.7	60	1.0	47	0.8	44	0.7	45	0.8	54	0.9	71	1.1	53	0.9	51	0.8	133	1.0	144	1.1	60	0.7
4900	Miscellaneous, non-eligible															7	0.1	8	0.1	5	0.0	1	0.0		

		6,240	100.0	6,180	100.0	6,210	100.0	5,880	100.0	5,850	100.0	5,880	100.0	6,180	100.0	6,180	100.0	6,210	100.0	12,780	100.0	12,930	100.0	8,760	100.0
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2017 Year-To-Date Data Quality Report Section IV: Proper Assignment of Disposition Codes

Table 15A. Number of Attempts, by File Month (Landline only)

Attempts	File Month																								Year-to-Date	
	January		February		March		April		May		June		July		August		September		October		November		December			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
1	2,084	30.0	2,140	31.3	2,880	22.3	2,236	19.4	1,872	16.2	2,531	22.1	3,457	30.6	3,226	28.8	3,281	28.0	1,279	13.2	1,262	13.5	1,041	12.0	27,289	22.1
2	984	14.2	946	13.8	1,643	12.7	1,435	12.4	1,536	13.3	1,546	13.5	1,299	11.5	1,418	12.7	1,767	15.1	1,468	15.1	1,073	11.5	1,077	12.4	16,192	13.1
3	419	6.0	369	5.4	787	6.1	698	6.0	1,283	11.1	808	7.0	612	5.4	641	5.7	788	6.7	776	8.0	642	6.9	561	6.5	8,384	6.8
4	199	2.9	235	3.4	504	3.9	392	3.4	477	4.1	413	3.6	320	2.8	341	3.0	422	3.6	341	3.5	348	3.7	314	3.6	4,306	3.5
5	147	2.1	144	2.1	358	2.8	314	2.7	359	3.1	263	2.3	229	2.0	325	2.9	285	2.4	262	2.7	233	2.5	251	2.9	3,170	2.6
6	288	4.1	256	3.7	602	4.7	817	7.1	631	5.5	632	5.5	483	4.3	498	4.4	412	3.5	411	4.2	460	4.9	391	4.5	5,881	4.8
7	85	1.2	118	1.7	223	1.7	250	2.2	220	1.9	176	1.5	189	1.7	479	4.3	180	1.5	179	1.8	160	1.7	165	1.9	2,424	2.0
8	101	1.5	100	1.5	185	1.4	173	1.5	173	1.5	163	1.4	143	1.3	1,658	14.8	129	1.1	165	1.7	120	1.3	4,206	48.5	7,316	5.9
9	88	1.3	59	0.9	163	1.3	182	1.6	156	1.4	133	1.2	164	1.5	96	0.9	139	1.2	99	1.0	133	1.4	310	3.6	1,722	1.4
10	890	12.8	909	13.3	1,935	15.0	1,498	13.0	1,620	14.1	1,729	15.1	1,549	13.7	853	7.6	1,517	12.9	1,639	16.9	3,971	42.4	362	4.2	18,472	15.0
11	51	0.7	50	0.7	101	0.8	98	0.8	93	0.8	75	0.7	83	0.7	50	0.4	81	0.7	80	0.8	69	0.7			831	0.7
12	1,099	15.8	1,010	14.8	2,380	18.4	2,487	21.5	2,149	18.6	1,980	17.3	1,940	17.2	1,127	10.1	1,902	16.2	2,138	22.0	828	8.8			19,040	15.5
13	43	0.6	32	0.5	80	0.6	70	0.6	79	0.7	83	0.7	42	0.4	36	0.3	77	0.7	56	0.6	40	0.4			638	0.5

14	30	0.4	20	0.3	64	0.5	65	0.6	51	0.4	64	0.6	46	0.4	23	0.2	55	0.5	78	0.8	9	0.1			505	0.4
15+	442	6.4	454	6.6	1,003	7.8	831	7.2	829	7.2	872	7.6	751	6.6	425	3.8	691	5.9	730	7.5	9	0.1			7,037	5.7
Total	6,950	100.0	6,842	100.0	12,908	100.0	11,546	100.0	11,528	100.0	11,468	100.0	11,307	100.0	11,196	100.0	11,726	100.0	9,701	100.0	9,357	100.0	8,678	100.0	123,207	100.0

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15+

442 6.4 454 6.6 1,003 7.8 831 7.2 829 7.2 872 7.6 751 6.6 425 3.8 691 5.9 730 7.5 9 0.1 7,037 5.7

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Section IV: Proper Assignment of Disposition Codes

Table 15B. Number of Attempts, by File Month

(Cell phone only, restricted to state/territory, does not include out of state interviews)

Attempts	File Month																								Year-to-Date	
	January		February		March		April		May		June		July		August		September		October		November		December			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
1	293	6.5	304	7.2	449	9.9	345	7.9	268	6.3	322	7.5	437	9.5	513	10.3	383	8.0	636	6.5	707	7.4	380	6.0	5,037	7.6
2	686	15.1	500	11.9	656	14.5	666	15.2	589	13.9	594	13.8	671	14.6	787	15.8	841	17.6	1,735	17.7	1,671	17.5	1,052	16.7	10,448	15.8
3	523	11.5	420	10.0	453	10.0	472	10.8	463	10.9	494	11.5	494	10.7	525	10.5	527	11.0	1,174	12.0	1,088	11.4	614	9.7	7,247	10.9
4	251	5.5	280	6.7	259	5.7	267	6.1	250	5.9	250	5.8	213	4.6	292	5.9	288	6.0	526	5.4	542	5.7	317	5.0	3,735	5.6
5	232	5.1	192	4.6	194	4.3	198	4.5	183	4.3	177	4.1	179	3.9	211	4.2	208	4.3	424	4.3	515	5.4	309	4.9	3,022	4.6
6	197	4.3	197	4.7	199	4.4	196	4.5	197	4.7	176	4.1	184	4.0	223	4.5	226	4.7	439	4.5	4,730	49.5	3,091	48.9	10,055	15.2
7	112	2.5	111	2.6	145	3.2	153	3.5	126	3.0	121	2.8	119	2.6	138	2.8	105	2.2	241	2.5	266	2.8	544	8.6	2,181	3.3
8	2,171	47.9	2,101	50.0	1,793	39.7	2,059	46.9	2,078	49.1	1,070	24.9	2,237	48.5	2,246	45.1	1,986	41.5	4,437	45.4	39	0.4	9	0.1	22,226	33.6
9	69	1.5	92	2.2	352	7.8	31	0.7	71	1.7	65	1.5	68	1.5	46	0.9	76	1.6	136	1.4	1	0.0			1,007	1.5
10	2	0.0	6	0.1	13	0.3	1	0.0	7	0.2	993	23.1	5	0.1	2	0.0	146	3.0	23	0.2					1,198	1.8
11					4	0.1			1	0.0	22	0.5	1	0.0			5	0.1	5	0.1					38	0.1

12					1	0.0					7	0.2							1	0.0						9	0.0
Total	4,536	100.0	4,203	100.0	4,518	100.0	4,388	100.0	4,233	100.0	4,291	100.0	4,608	100.0	4,983	100.0	4,791	100.0	9,777	100.0	9,559	100.0	6,316	100.0	66,203	100.0	

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Section V: Unit Nonresponse

Table 16A. **Cumulative** Outcome Rates, Year-to-Date by File Month

(Landline only)

File Month	Resolution rate	Interview completion rate	Cooperation rate^a	Refusal rate^b	AAPOR response rate^c
January	81.7%	67.3%	57.6%	19.8%	40.8%
February	81.8%	67.8%	57.8%	19.4%	41.0%
March	82.0%	70.8%	59.7%	17.3%	41.9%
April	81.9%	71.0%	59.4%	17.0%	41.6%
May	82.0%	70.3%	59.1%	17.1%	40.6%
June	82.0%	70.2%	59.4%	17.4%	40.9%
July	81.9%	70.3%	59.4%	17.3%	40.9%
August	82.6%	70.2%	59.2%	17.5%	41.2%
September	82.5%	70.0%	59.2%	17.4%	40.7%
October	82.5%	69.8%	59.0%	17.4%	40.2%
November	82.5%	69.8%	59.0%	17.4%	40.1%

December	82.4%	69.8%	58.9%	17.3%	40.0%
^aAAPOR Cooperation rate, version 2 formula, does not include disposition code 2220					
^bAAPOR Refusal rate, version 4 formula					
^cAAPOR Response rate, version 4 formula					

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Section V: Unit Nonresponse

Table 16B. **Cumulative** Outcome Rates, Year-to-Date by File Month

(Cell phone only, restricted to state/territory, does not include out of state interviews)

File Month	Resolution rate	Interview completion rate	Cooperation rate^a	Refusal rate^b	AAPOR response rate^c
January	54.6%	82.8%	79.5%	9.0%	43.4%
February	54.8%	82.4%	79.1%	9.2%	43.4%
March	54.6%	82.5%	79.2%	9.2%	43.3%
April	54.3%	80.5%	77.3%	10.2%	42.0%
May	54.1%	79.5%	76.5%	10.7%	41.3%
June	54.0%	79.3%	76.3%	10.7%	41.2%
July	54.0%	78.7%	75.8%	11.1%	40.9%
August	53.7%	77.9%	75.1%	11.4%	40.3%
September	53.6%	77.9%	75.3%	11.4%	40.4%
October	53.7%	78.0%	75.4%	11.4%	40.5%
November	53.7%	78.0%	75.2%	11.4%	40.4%

December	53.5%	77.8%	75.0%	11.5%	40.2%
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^aAAPOR Cooperation rate, version 2 formula, does not include disposition code 2220
^bAAPOR Refusal rate, version 4 formula
^cAAPOR Response rate, version 4 formula

2017 Year-To-Date Data Quality Report

Section VI: Item Nonresponse

Table 17A. Income (77 and 99 collapsed), Year-to-Date

Base=Completes only (Landline only)

Income Levels	Male		Female		Total	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
LT 10K	88	4.0	266	6.3	354	5.5
10-15K	82	3.7	258	6.1	340	5.3
15-20K	140	6.4	313	7.4	453	7.1
20-25K	148	6.7	365	8.6	513	8.0
25-35K	187	8.5	433	10.3	620	9.7
35-50K	279	12.7	497	11.8	776	12.1
50-75K	306	13.9	490	11.6	796	12.4
75+K	717	32.6	867	20.5	1,584	24.7

Unknown/Refused

253

11.5

733

17.4

986

15.4

Unknown/Refused	253	11.5	733	17.4	986	15.4
Total	2,200	100.0	4,222	100.0	6,422	100.0

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Section VI: Item Nonresponse

Table 17B. Income (77 and 99 collapsed), Year-to-Date

Base=Completes only (Cell phone only, restricted to state/territory, does not include out of state interviews)

Income Levels	Male		Female		Total	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
LT 10K	110	4.9	194	8.0	304	6.5
10-15K	108	4.8	171	7.0	279	5.9
15-20K	173	7.6	228	9.3	401	8.5
20-25K	202	8.9	247	10.1	449	9.5
25-35K	188	8.3	253	10.4	441	9.4
35-50K	256	11.3	231	9.5	487	10.4
50-75K	279	12.3	250	10.2	529	11.3
75+K	721	31.9	532	21.8	1,253	26.6
Unknown/Refused	225	9.9	334	13.7	559	11.9

Unknown/Refused	225	9.9	334	13.7	559	11.9
Total	2,262	100.0	2,440	100.0	4,702	100.0

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Section VII: Household Rosters, Number of Adults, and Number of Phones

Table 18. Household Roster Status, by File month,

Base=Records with Partial or Complete Household Rosters (Landline only)

File Month	Partial		Inconsistent		Consistent		Total	
	N	%	N	%	N	%	N	%
January		0.0		0.0	381	100.0	381	100.0
February		0.0		0.0	349	100.0	349	100.0
March		0.0		0.0	793	100.0	793	100.0
April		0.0		0.0	603	100.0	603	100.0
May		0.0		0.0	583	100.0	583	100.0
June		0.0		0.0	628	100.0	628	100.0
July		0.0		0.0	578	100.0	578	100.0
August		0.0		0.0	486	100.0	486	100.0
September		0.0		0.0	530	100.0	530	100.0
October		0.0		0.0	524	100.0	524	100.0
November		0.0		0.0	548	100.0	548	100.0

December		0.0		0.0	458	100.0	458	100.0
Total		0.0		0.0	6,461	100.0	6,461	100.0

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Section VII: Household Rosters, Number of Adults, and Number of Phones Table 19. Number of Adults by File Month and Year-to-Date [Base=Completes only](#) (Landline only)

File Month	Adults in HH																			
	1		2		3		4		5		6		7		8		17		23	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
January	149	5.9	180	5.9	42	6.6	8	4.0	2	5.7										
February	130	5.2	187	6.1	18	2.8	10	5.0	3	8.6	1	6.3								
March	295	11.7	384	12.5	79	12.5	28	14.0	5	14.3	2	12.5								
April	226	9.0	289	9.4	62	9.8	18	9.0	5	14.3	2	12.5					1	100.0		
May	247	9.8	261	8.5	55	8.7	18	9.0	1	2.9	1	6.3								
June	244	9.7	285	9.3	75	11.8	16	8.0	6	17.1	2	12.5								
July	221	8.8	279	9.1	51	8.1	24	12.0	1	2.9	2	12.5								
August	187	7.4	230	7.5	51	8.1	13	6.5	2	5.7	2	12.5							1	100.0
September	213	8.5	237	7.7	53	8.4	20	10.0	3	8.6	3	18.8			1	100.0				
October	194	7.7	265	8.7	55	8.7	8	4.0	2	5.7										

November	219	8.7	257	8.4	48	7.6	18	9.0	4	11.4	1	6.3	1	100.0						
December	187	7.4	207	6.8	44	7.0	19	9.5	1	2.9										
Year-to-Date	2,512	100.0	3,061	100.0	633	100.0	200	100.0	35	100.0	16	100.0	1	100.0	1	100.0	1	100.0	1	100.0

2017 Year-To-Date Data Quality Report

Section VII: Household Rosters, Number of Adults, and Number of Phones Table 20. Number of Phones by File Month and Year-to-Date [Base=Completes only](#) (Landline only)

File Month	Phones in HH											
	1		2		3		4		5		6	
	N	%	N	%	N	%	N	%	N	%	N	%
January	366	5.9	7	5.0	3	8.1	1	14.3	1	50.0		
February	335	5.4	12	8.5	1	2.7	1	14.3				
March	764	12.2	15	10.6	10	27.0	1	14.3				
April	586	9.4	7	5.0	4	10.8	2	28.6				
May	562	9.0	13	9.2	2	5.4						
June	610	9.8	11	7.8	3	8.1	2	28.6	1	50.0		
July	555	8.9	16	11.3	3	8.1						
August	472	7.6	9	6.4	1	2.7						
September	508	8.1	14	9.9	4	10.8						1100.0
October	509	8.2	12	8.5	3	8.1						
November	529	8.5	16	11.3	2	5.4						

December	444	7.1	9	6.4	1	2.7						
Year-to-Date	6,240	100.0	141	100.0	37	100.0	7	100.0	2	100.0	1	100.0

Appendix G: Crisis Protocol

Crisis Protocol

Step 1: Recognize that a respondent is possibly distressed.

Signs that a respondent is possibly in crisis:

- Hesitancy to answer a question or questions;
- Refusal to answer questions or to continue the interviewing process;
- Lowering of the volume or tone of his/her voice;
- Responding in an agitated manner by raising his/her voice or using inappropriate language;
- Crying;
- Indications of tremors, a quavering in the respondent's voice;
- Disorganization, dissociation, or non-responsiveness to questions asked.

Step 2: Assess the level of distress that a respondent is apparently experiencing.

Below is a table that provides the some guidance to you as to what indicators you might become aware of on the telephone indicating that a person is in distress or approaching a crisis.

Level of Distress	Signs or Indicators of Distress
Level 1 : Minimal	Change in voice tone or volume. Changes in focus. Hesitancy to answer questions.
Level 2: In-Need of Referral	Level 1 signs plus any of the following: Displays an unwillingness or hesitancy to continue. Sobbing, weeping, and/or crying on the telephone. Displays other obvious signs of agitation.

Level 3: Immediate Help	<p>Includes a combination or all of the signs for Level 1 and/or Level 2 plus the following:</p> <p>Respondent openly states the intention to hurt her/himself.</p> <p>Respondent openly states his/her intention to hurt other people.</p> <p>Respondent openly asks for help.</p>
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Step 3: Respond appropriately to the situation.

Based on your assessment of the level of distress it is imperative that you react appropriately and with sensitivity.

<u>Distress Level</u>	<u>Interviewer Actions</u>	<u>Supervisor Actions</u>	<u>Project Management Actions</u>
Level 1	<p>Assess where you are in the questionnaire and ask respondent if it is ok to continue:</p> <p>“Is it ok to continue?”</p> <p>Depending on how s/he answers and where you are in the questionnaire you may do the following:</p> <ul style="list-style-type: none"> • Yes - Continue with sensitivity. • Yes, but not now : Are you in the Adverse Childhood Experiences section? <p>If no, Suspend,</p>	<p><i>If needed: Come over to the interviewer and be prepared to help out by connecting or doing a hot transfer to the hotline.</i></p> <p>Supervisor is alerted for all interviews that terminate or result in a hang-up after the offer of a break.</p> <p>Supervisor will get the masterid for the case and will inform the project managers about the situation – date, time, and a detailed description of the interaction between the</p>	<p>Project Managers review the case and possibly follow-up with the supervisor and interviewer for more information.</p> <p>Project Management decides if any follow-up calls are made to the hang-ups or terminated interviews</p>

	<p>and offer the 1-800 number (s) from your help screen . Record the masterid and alert your supervisor. If you are in the Adverse Childhood Experiences section. Do not offer to call back later—for these sections if respondent does not want to continue, please offer the hotline number and offer to connect the respondent to the hotline (based on crisis level). Record masterid, alert your supervisor. Suspend and disposition as 169 “Respondent ended interview due to distress”</p> <ul style="list-style-type: none"> • Sections Record masterid and Alert your supervisor. • No, don’t want to continue ever – terminate and thank. Write “DO NOT CALL BACK” in message field and alert supervisor. Use disposition as 169 “Respondent ended interview due to distress” • Hangs up – suspend with a note about the situation and alert supervisor. 	<p>interviewer and the respondent, including the survey question at which it occurred.</p>	
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<p>Level 2</p>	<p>Raise your hand and get a supervisor’s attention while you affirm what you hear: <i>“I can hear that this interview is upsetting you. Would you like some help? I can provide you a phone number or connect you to someone who can help you. If the respondent says YES – refer to the hotline number in your special screen the appropriate referral (<u>hotline number listed below</u>) based on what the respondent seems to be upset about.</i> If the respondent says NO, or if they say “yes” to you providing the phone number, but they don’t want you to connect them to the hotline/phone number now ask if s/he would like to continue the interview now or later (PLEASE NOTE IF THE RESPONDENT DOES NOT WANT TO CONTINUE, DO NOT SCHEDULE A CALL BACK Disposition as 169 “Respondent ended interview due to distress”):</p>	<p>Come over to the interviewer and be prepared to help out by connecting or doing a hot transfer to the hotline. File an adverse event report with project management staff informing them that a referral was given, the masterid, the interviewer id, date, time, details of the interaction, if QA was listening, where it occurred in the interview, and if the appropriate protocols were followed.</p>	<p>Project Management reviews and files the adverse event report. This type of report is kept by project management but not forwarded to the IRB. Project Management decides if any follow-up calls are made to the hang-ups or terminated interviews.</p>
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	<ul style="list-style-type: none"> • Yes - Continue with sensitivity. • Yes, but not now - Suspend and schedule a callback and offer appropriate 1-800 numbers from your help screen. Record masterid and alert your supervisor • No, don't want to continue ever – terminate and thank. Write “DO NOT CALL BACK” in message field and alert a supervisor. Disposition as 169 “Respondent ended interview due to distress” • Hangs up – suspend with a note about the situation, and alert a supervisor. 		
Level 3	<p>Raise your hand and get a supervisor’s attention.</p> <p>If a respondent is exhibiting level 3 crisis signs, or reporting that they want to hurt themselves: Affirm what you hear:</p> <p><i>“I can tell that this interview is upsetting you.”</i></p> <p><i>“I can provide you a phone number of or connect you to someone who can help you</i></p>	<p>Come over to the interviewer and be prepared to help out by connecting/doing a hot transfer to the hotline.</p> <p>Signal for QA to get on the line too and take notes.</p> <p>Make the necessary calls/hot transfers (SEE DETAIL BELOW FOR CALLS WHEN A RESPONDENTS REPORTS WANTING TO HURT SOMEONE ELSE)</p> <p>If the respondent terminates the call before someone can be contacted for</p>	<p>Project Management reviews and files the adverse event report.</p> <p>Project Management debriefs with the interviewer, supervisor and QA who filed the report as soon as possible.</p> <p>IRB may advise about the need to change or revise protocols as a result of the event, or the appropriate follow-up to the event.</p> <p>Project Management implements</p>

	<p>now”</p> <p><i>“I would like to stay on the line with you while my colleague calls X? OK?”</i></p> <p>Keep the person informed about what is happening, do what the respondent says.</p> <p><i>“This interview can be very stressful, and I think we should stop for now, but sometimes talking to someone can be helpful. I Can provide you a number or connect you to someone who may be able to help you now. Would you like me to give you the number, or connect you?”</i></p> <p>If the respondent says YES, provide referral telephone numbers or connect (with supervisor help) before getting off the call.</p> <p>If the person just asks to stop at any point, suspend with a terminal disposition 169 “respondent ends interview due to distress”, or if s/he hangs up, disposition 169 “respondent ends interview due to distress, with a note.</p>	<p>her, or before we can obtain her locations– call supervisor to find out whether additional calls can or should be made immediately.</p> <p>File an adverse event report with project management staff informing them that a referral was given, the masterid, the interviewer id, date, time, details of the interaction, if QA was listening, where it occurred in the interview, and if the appropriate protocols were followed.</p> <p>The form needs to be filed on that shift. If a level 3 situation is encountered call center and project management need to be called.</p> <p>Additional NOTE: IF A RESPONDENT REPORTS THEY WANT TO HURT SOMEONE ELSE. DO ALL OF THE ABOVE AS WELL AS THE FOLLOWING:</p> <p>Help in the evaluation of risk, confirm if the respondent provides 1-3 YES’s and instruct the interviewer as to what to do – Make the necessary calls to local emergency services/local 911 services, <i>based on respondent phone number. Explain to</i></p>	<p>and follows-up as directed.</p> <p>Project Management informs the call center staff about the outcomes of the event to the extent that they are able to and it is legally possible.</p> <p>If there is to be a follow-up call to the respondent, Project Management will direct the call center as to how the callback is to be made (e.g., using an interviewer with special training.)</p>
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	<p>Always record masterid and get supervisor help.</p> <p>If a respondent reports that they want to hurt someone else:</p> <p>Raise your hand and get a supervisors attention. Assess the level of risk homicide by asking the following questions with a supervisor/QA present:</p> <p><i>“Do you have a plan on how to do this?”</i></p> <p><i>“Do you have the means or ability to carry out your plan?”</i></p> <p><i>“Are you thinking of doing this now?”</i></p> <p>If respondent says yes to 3 of the above, risk of harm is HIGH.</p> <p>Attempt to keep respondent on phone if possible. If respondent says yes to 1-2 of the above, supervisor will help asses risk.</p>	<p><i>emergency services who you are, why you are calling and that you would like a house call to ensure that the household is safe.</i></p> <p>Follow Level 3 protocol for call center management notification immediately; file and adverse event report form that shift.</p>	
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Step 4: Document the case—Adverse Event Report Form

When a Level 2 or Level 3 situation is encountered it is necessary to document the case immediately while the event is fresh in your mind. There is an Adverse Event Form included in the training materials in Appendix 2 and available on the network and ISite for you to use for this purpose. More detail and information is better than less. This needs to be filled out on the shift in which it occurs and immediately sent electronically to project management and the hard copy sent to the Project Director, Carol Pierannuzi.

The Adverse Event Report Form needs to include at a minimum the masterid, time, date, details of the event – which should include the survey question at which the event occurred – so someone else can understand why it was assessed as a level 2 or 3, and the names and signatures of the call center staff who observed the event.

It is paramount that once you think you are in a level 2 or level 3 situation that you get someone else to be listening to the call – get the floor supervisor over, get QA on the line, get the interviewer next to you too until a supervisor comes over. Everyone and anyone who listens to all of part of the interaction needs to fill out the Adverse Event Form.

Step 5: Self- Care for You

Dealing with a difficult or crisis situation on the telephone can be emotionally draining and take a toll on you. After the call is over and you have documented, take a break. And when you go home at the end of your shift – take care of yourself even more. Refer to the training manual section on self-care for more information.

Situations Involving Other Individuals

If at any time during the telephone interview you believe that someone is listening in – perhaps you hear a telephone picked-up or you hear someone breathing other than the respondent, you should stop asking questions and ask if s/he would still like to continue the interview and do what s/he says – continue, suspend and schedule a callback, suspend with providing his/her information to call in, or terminate. Leave a message as to what occurred in the interviewer notes field of the CATI program.

If you hear someone, anyone, enter the location where the respondent is participating in the interview – you should ask her/him if s/he wants to continue at another time– continue, suspend and schedule a callback, suspend with providing her information to call in, or terminate. Leave a message as to what occurred in the interviewer notes field of the CATI program.

In either of the above cases, if the situation is too complex to be adequately described in the message field, alert a supervisor (make sure you give your supervisor the masterid), who will document the situation in an email that will be sent to Project Management.

Suicide Prevention Network Helpline:

1) National Suicide Prevention Helpline: 1-800-273-TALK (8255)

Trained crisis workers are available to talk 24 hours a day, 7 days a week. Your confidential and toll-free call goes to the nearest crisis center in the Lifeline national network. These centers

provide crisis counseling to individuals who are suicidal or experiencing emotional distress. Mental health referrals are also provided.

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