Attachment 14 –



**2013**

**Behavioral Risk Factor Surveillance System**

**Asthma Call-Back Survey**

**Summary Data Quality Report**



 **National**

 **Asthma**

 **Control**

 **Program**

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**2013 Asthma Call-Back Survey (ACBS) Summary Data Quality Report**

## Introduction

Procedures for interview disposition and response rates for the BRFSS Asthma Call-Back Survey (ACBS) follow usual BRFSS procedures; however, some additions and adaptations are required for the call-back survey. Disposition codes, disposition code categories, and response rates are discussed in the sections below. Figure one is a flow chart describing the eligibility paths BRFSS respondents with asthma follow through the ACBS process.

Because asthma characteristics vary by season, a seasonal analysis must take into account any state for which interviewing was not conducted throughout the year. States may have interrupted interviewing due to contract interruptions with their data collection company. In addition, some ACBS interviews are finalized in the first few months of the next calendar year. If a state is missing 6 or more consecutive months of child or adult data or has less than 6 complete months of child or adult data, the data from that state are not considered sufficiently comparable to the data from other states and are excluded from the public release file and the response rate calculations. If a state has fewer than 75 complete child interviews, reliable weights cannot be calculated and the child data from that state is excluded from the public release file.

Appendix A includes tables showing disposition code categories, response rates and interviews by month for each state participating in the ACBS each year. Appendix B includes information on the conversion from 3-digit to 4-digit disposition codes. Appendix C includes additional instruction on assigning the ACBS specific disposition codes. Detail on BRFSS response rates and procedures can be found in the BRFSS Data Quality Report Handbook and the BRFSS Summary Data Quality Report for each survey year (<http://www.cdc.gov/brfss/annual_data/annual_data.htm>).

**Disposition Codes**

The BRFSS disposition codes are used for the ACBS. However, a few additional codes are needed to account for situations specific to a call-back survey. In the list below, disposition codes added for the ACBS are underlined and bolded. There is no equivalent BRFSS code for ACBS specific codes. Detailed descriptions of the ACBS codes can be found in Appendix C.

The ACBS 4-digit disposition codes for 2013 are:

**I.** **Eligible, contacted: complete interview**

1100 Complete

1200 Partial complete (through the end of section 8)

**II. Eligible, contacted: refusal or termination**

**4413** Refused to participate in the call-back during the BRFSS interview

**2112** Refused to begin the ACBS interview after contacted

**2120** Terminated within the questionnaire during the ACBS interview (before Section 9)

**2211** Refused to allow combining ACBS responses with BRFSS responses

**2212** Refused to answer the “ever had asthma” question during the ACBS interview

**III. Eligible, lost to follow-up because unable to contact or communicate with the BRFSS respondent with asthma**

2111 Hang up or termination before respondent contacted. Household contacted but ACBS respondent not contacted

2210 Selected respondent never reached or reached but did not begin interview during interviewing period. Selected respondent away from residence during the entire interviewing period.

2220 Telephone answering device, message confirming private residential status. Telecommunication technological barrier, message confirming private residential status

2320 Selected respondent physically or mentally unable to complete an interview during the entire interviewing period interviewing period

2330 Language problem after respondent selection

3100 Contact, hang-up or termination, unknown if private residence

3130 No answer

3140 Telephone answering device, unknown if private residence

3200 Hang-up or termination, known household. Household contact, eligibility undetermined

3322 Physical or mental impairment

3330 Language problem

4100 Household members away from residence during entire interviewing period

4900 Miscellaneous, non-eligible (for ACBS miscellaneous non-contact)

**4306** Selected ACBS respondent no longer living in the BRFSS household

**Temporary codes: should be resolved prior to submission**

5050 Hang-up, unknown if housing unit

5100 Appointment

5111 Household level refusal

5112 Refusal: hang-up or termination

5120 Break off/ termination in questionnaire before Section 9

5130 No answer

5140 Answering machine, unknown if private residence

5220 Answering machine, message confirming residential status

5320 Physical or mental impairment

5330 Language problem

5550 Busy

5560 Unsafe location for interview

**IV.** **Eligible, lost to follow-up for technical reasons**

3150 Telecommunication technological barrier, unknown if private residence

3700 On never call list

4200 Dedicated fax/data/modem line with no human contact

4300 Telephone number no longer in service or changed. Non-working/disconnected number.

4400 Busy/Fast busy/Circuit busy

4430 Call forwarding/ pager

4450 Cellular telephone from landline sample

4460 Cell phone sample number connects to landline

4470 Cell phone respondent also has landline, less than 90% of all calls on cell phone.

4500 Not a private residence – business

4510 Not a private residence - group home

**Temporary codes: should be resolved prior to submission**

5150 Technological barrier other than answering machine, unknown if private residence

5200 Fax/data/modem

5300 Phone number temporarily out of service. Possible non-working number

5400 Technological barrier other than answering machine with message confirming residential status. Fast busy. Circuit busy

5599 Mistaken Ctrl-End

5700 Supervisor attention needed

5900 Null attempt

**9999** Missing disposition code

**V.** **Ineligible: all codes specific to ACBS (no BRFSS equivalent)**

**2290** Most knowledgeable person is not parent or guardian

**2291** No parent or legal guardian in the household (child ineligible)

**4480** Not recruited for call-back at BRFSS interview (excluded by state)

**4490** Random child/adult selection: adult ineligible, child selected

**4491** Random child/adult selection: child ineligible, adult selected

**4405** Out-of-state when ACBS records are not transferred to state of residence

**4700**Household, no eligible respondent (respondent does not have asthma)

**4411** Selected respondent not eligible for follow-up

**4412** Transferred from BRFSS but not attempted (excluded by state)

**4471** Misdiagnosed asthma in respondent

**Definitions and Labels for Disposition Code Categories**

Because the ACBS is a call-back interview, all those identified with asthma at the BRFSS interview asthma are, with a few notable exceptions, eligible for the call-back survey. The ACBS eligibility flow chart (Figure 1) summarizes how BRFSS respondents are categorized for ACBS response rate calculation.

ACBS interviews are considered complete (COIN) if the respondents finish the entire interview or if they complete through section 8 of the ACBS interview. ACBS interviews are refusals if the respondent refuses participation at either the BRFSS interview or at the time of the ACBS interview. Terminations are ACBS interviews that start but are terminated during the interview before completing section 8.

The disposition codes that relate to contact problems or technology issues are considered “eligible, but lost to follow-up.” If they had been contacted, a small proportion of those eligible but lost to follow-up might actually be ineligible. All temporary disposition codes (numbered 5000 or higher) that should have been resolved but were not are treated as comparable 4000 level codes.

BRFSS respondents with asthma who are considered ineligible for the ACBS include those who are not asked to participate at the time of the BRFSS interview. Each year between 10% and 15% of those technically eligible are not asked to participate in the call-back survey. Respondents might not be asked for several reasons:

* States with split samples may only include respondents in the call-back if they are in specified splits of the BRFSS sample. Counts for states that exclude split-sample respondents are excluded from the following tables and rate calculations.
* The BRFSS respondent may partially complete the BRFSS interview but terminate before the call-back request.
* Specific state BRFSS call-back contracts may limit the number of call-back interviews due to budgetary constraints.
* States may stop conducting call-back interviews during contract negotiations.

BRFSS respondents with asthma who are asked to participate in the ACBS but are later classified as ineligible include:

* Respondents in households where both the selected adult and selected child in the household have asthma. When both have asthma, only one is eligible for the ACBS.
* Respondents who move out-of-state between the BRFSS interview and the ACBS interview in states that are not transferring ACBS interview or to/from states not participating in the ACBS.
* Respondents who indicate, at the time of the ACBS interview, that the reported diagnosis of asthma was an error
* Child respondents for whom the adult BRFSS respondent is not the child’s parent or guardian
* Some respondents in states that have reached a pre-specified quota for ACBS interviews

The following table indicates how disposition codes are grouped into response rate categories shown in the eligibility flow chart (Figure 1):

|  |  |  |
| --- | --- | --- |
| Category | Disposition Codes  | Notes |
| Eligible COIN Completed interview  | 1100, 1200 | Through section 8 |
| Eligible TERETerminations and refusals  | **4413** | At BRFSS interview |
| **2112, 2120**, **2211, 2212**,  | At ACBS |
| Eligible, lost to follow-upNot interviewed | 2111, 2210, 2220, 2320, 2330, 3100, 3130, 3140, 3200, 3322, 3330, 4100, 4900, **4306**, 5050, 5100, 5111, 5112, 5120, 5130, 5140, 5220, 5320, 5330, 5550, 5560 | Unable to contact or communicate with eligible respondent |
| 3150, 3700, 4200, 4300, 4400, 4430, 4450, 4460, 4470, 4500, 4510, 5400, 5150, 5200, 5300, 5599, 5700, 5900, **9999**  | Technical problems |
| Ineligible | **2290, 2291**, **4480**, **4490**, **4491** | At BRFSS interview |
| **4405, 4700**, **4411**, **4471**  | At ACBS |
| **4412** | No ACBS attempt |

**Figure 1: ACBS Eligibility Flow Chart:**

BRFSS respondent with asthma

ASTHMA3 = 1 (Yes)

Ineligible for call-back:

* If adult, child selected for call-back: code 4490
* If child, adult selected for call-back: code 4491
* If child, no parent/guardian:

codes 2290, 2291

Respondent called for ACBS interview

Permission granted

Ineligible for call-back

* Moved out of state: code 4405
* Does not have asthma:

codes 4471, 4700

* Other: code 4411

Ineligible for call-back

* Never called: code 4412

Recruited for call-back

Asked permission question

Ineligible for call-back: code 4480

* Split sample
* Quota
* Skipped permission question

BRFSS TERE: refusal

* Permission denied: code 4413

ACBS COIN

* Complete: code 1100
* Partial complete: code 1200

Lost to follow-up

* Contact/communication codes
* Technical problem codes

ACBS TERE

* Termination: code 2120
* Refusal: codes 2112, 2211, 2212

**ACBS Response Rates**

The ACBS Interview Completion Rate is the proportion of completed interviews among eligible respondents who are actually contacted for and started the ACBS interview. Those who refuse at the initial BRFSS interview (4413), those ineligible, and those never contacted are excluded from the denominator. This rate is based on actual contacts with the eligible respondent at the time of the call-back interview. The numerator of the rate includes completed interviews (COIN). The denominator of the rate includes completed interviews (COIN) plus the number contacted later for the ACBS interview who refuse or terminate the interview (disposition codes 2112, 2120, 2211, and 2212).

The ACBS Cooperation Rate is the proportion of completed interviews among all eligible respondents who are recruited and actually contacted for the ACBS interview. Eligible respondents who refuse the call-back at the time of the BRFSS interview are included. Non-contacts are excluded from the denominator, but contacts with communication problems specific to the respondent with asthma are included. The numerator of the rate includes completed interviews (COIN). The denominator of the rate includes completed interviews (COIN) plus refusals and terminations (TERE) plus the number of non-interviews that involved language problems with the respondent with asthma (2330) or physical/mental impairment of the respondent with asthma (2320). A Cooperation Rate below 65 percent may indicate some problem with interviewing techniques

The Refusal Rate is the percentage of all eligible respondents that refuse to be interviewed or terminate an interview early in the questionnaire. The numerator includes terminations and refusals (TERE). The denominator is the same as for the CASRO rate (below). The denominator includes completed interviews (COIN), terminations and refusals (TERE), and a proportion of those eligible but lost to follow-up. The proportion represents an estimate of the number of those lost to follow-up who would be expected to remain eligible if they had been contacted. The proportion of cases lost to follow-up that are estimated to be eligible is the same as the proportion of cases not lost to follow-up that are eligible. A Refusal Rate above 35 percent indicates some problem with interviewing techniques.

The Council of American Survey Research Organizations (CASRO) rate is a measure of respondent cooperation and is generally defined as the proportion of all eligible respondents in the sample for whom an interview has been completed. The numerator of the CASRO rate includes completed interviews (COIN). The denominator includes completed interviews (COIN), terminations and refusals (TERE), and a proportion of those eligible, but lost to follow-up. The proportion represents an estimate of the number of those lost to follow-up who would be expected to remain eligible if they had been contacted. The proportion of cases lost to follow-up that are estimated to be eligible is the same as the proportion of cases not lost to follow-up that are eligible. A CASRO rate below 40% should be cause for a review of data collection practices that could impact it, especially sample management and interviewer recruitment, retention, training, supervision, and monitoring.

Response rate formulae for the ACBS are specified below. Response rate tables for the ACBS, including response rates for each state/area participating in the ACBS, can be found in Appendix A. The former 3-digit codes that are comparable to the new 4-digit codes can be found in Appendix B. Detail on ACBS specific disposition codes can be found in Appendix C.

**Response Rate Formulae for the ACBS**

**ACBS Interview Completion Rate**:

1100 + 1200

1100 + 1200 + **2120** + **2211** + **2212** + **2112**

**ACBS Cooperation Rate**:

 1100 + 1200

 1100 + 1200 + **2120** + **2211** + **2212** + **2112** + **4413** + 2320 + 2330

**ACBS CASRO Rate**:

 1100 + 1200

 [ 1100 + 1200 + **2120** + **2211** + **2212** + **2112** + **4413** ]+ P \* [ Eligible lost ]

**ACBS Refusal Rate:**

 **2120** + **2211** + **2212** + **2112** + **4413**

 [ 1100 + 1200 + **2120** + **2211** + **2212** + **2112** + **4413**]+ P \* [ Eligible lost ]

Where:

P (Proportion) = (COIN + ACBS TERE) / (COIN + ACBS TERE + Ineligible)

[(1100+1200) + (**2120** + **2211** + **2212** + **2112** )]

[(1100+1200)+(**2120**+**2211**+**2212**+**2112**)+**4405**+**4700**+**4411**+**4471**+**2291**+**2290**+**4480**+**4490**+**4491**+**4412**)]

Eligible lost = 2111, 2210, 2220, 2320, 2330, 3100, 3130, 3140, 3200, 3322, 3330, 4100, 4900, 4306, 5050, 5100, 5111, 5112, 5120, 5130, 5140, 5220, 5320, 5330, 5550, 5560, 3150, 3700, 4200, 4300, 4400, 4430, 4450, 4460, 4470, 4500, 4510, 5400, 5150, 5200, 5300, 5599, 5700, 5900, 5999

# Appendix A:

# List of Tables in the 2013 BRFSS ACBS Summary Data Quality Report

1. **Landline samples only**

Table 1A.1 ACBS 2013 Disposition Categories by State: Adult Landline Sample

Table 1A.2 ACBS 2013 Disposition Categories by State: Child Landline Sample

Table 2A.1 ACBS 2013 Response Rates by State: Adult Landline Sample

Table 2A.2 ACBS 2013 Response Rates by State: Child Landline Sample

Table 3A.1 ACBS 2013 Completed Interviews by State and Month: Adult Landline Sample

Table 3A.2 ACBS 2013 Completed Interviews by State and Month: Child Landline Sample

1. **Landline and Cell Phone samples**

Table 1B.1 ACBS 2013 Disposition Categories by State: Adult Landline Cell Phone Sample

Table 1B.2 ACBS 2013 Disposition Categories by State: Child Landline Cell Phone Sample

Table 2B.1 ACBS 2013 Response Rates by State: Adult Landline Cell Phone Sample

Table 2B.2 ACBS 2013 Response Rates by State: Child Landline Cell Phone Sample

Table 3B.1 ACBS 2013 Completed Interviews by State and Month: Adult Landline Cell Phone Sample

Table 3B.2 ACBS 2013 Completed Interviews by State and Month: Child Landline Cell Phone Sample

























**Appendix B: Conversion to 4-digit from 3-digit ACBS disposition codes**

I. **Eligible, contacted: complete interview**

1100 110 Complete

1200 120 Partial complete (break-off after the end of section 8)

II. **Eligible, contacted: refusal or termination**

**4413 413** Refused to participate in the call-back during the BRFSS interview

**2112 220** Refused to begin the ACBS interview after contacted

**2120 210** Terminated within the questionnaire (before section 9 of the ACBS interview)

**2211 211** Refused to allow combining ACBS responses with BRFSS responses

**2212 212** Refused to answer the “ever had asthma” question during the ACBS interview

III. **Eligible, lost to follow-up because unable to contact or communicate with the BRFSS respondent**

2111 270 Hang up or termination before ACBS respondent contacted

2111 280 Household contact after number of adults recorded but before ACBS respondent contacted

2210 230 Selected respondent never reached or reached but did not begin interview during interviewing period

2210 240 Selected respondent away from residence during the entire interviewing period

2220 335 Telephone answering device, message confirming private residential status

2220 340 Telecommunication technological barrier, message confirming private residential status

2320 260 Selected respondent physically or mentally unable to complete an interview during the entire interviewing period

2330 250 Language problem after respondent selection

3100 330 Hang-up or termination, unknown if private residence

3100 332 Contact, unknown if private residence

3130 360 No answer

3140 345 Telephone answering device, unknown if private residence

3200 310 Hang-up or termination, known household

3200 315 Household contact, eligibility undetermined

3322 325 Physical or mental impairment

3330 320 Language problem

4100 305 Household members away from residence during entire interviewing period

4900 N/A No previous 3-digit code

**4306 306** Selected ACBS respondent no longer living in the BRFSS household

5050 505 Refusal: hang-up, unknown if housing unit

5100 510 Call-back appointment

5111 505 Refusal: household level refusal

5112 505 Refusal: respondent refusal, hang-up, or termination

5120 505 Refusal: hang-up or termination before starting section 9

5130 550 No answer

5140 535 Answering machine, unknown if private residence

5220 525 Answering machine, message confirming residential status

5320 520 Physical or mental impairment

5330 515 Language problem

5550 555 Busy

5560 N/A Unsafe location for interview

IV. **Eligible, lost to follow-up for technical reasons**

3150 350 Telecommunication technological barrier, unknown if private residence

3700 370 On never call list

4200 430 Dedicated fax/data/modem line with no human contact

4300 355 Telephone number no longer in service or changed

4300 450 Non-working/disconnected number

4400 365 Busy

4400 440 Fast busy

4430 N/A Call forwarding/pager

4450 435 Cellular telephone

4460 N/A Cell phone number connects to landline

4470 N/A Landline number connects to cell phone

4500 420 Not a private residence

4510 420 Not a private residence

5150 540 Technological barrier other than answering machine, unknown if private residence

5200 560 Fax/data/modem

5300 545 Phone number temporarily out of service

5300 570 Possible non-working number

5400 530 Technological barrier other than answering machine, message confirming residential status

5550 555 Busy

5599 599 Mistaken Ctrl-end

5700 580 Requires supervisor attention

5900 585 Null attempt

**5999** N/A Missing disposition code

**V.** **Ineligible**

**2290 290** Most Knowledgeable Person isn't parent or legal guardian (child)

**2291 291** No parent or legal guardian in the household (child ineligible)

**4480 480** Not recruited for call-back at BRFSS interview (excluded by state)

**4490 490** Random child/adult selection: adult ineligible, child selected

**4491 491** Random child/adult selection: child ineligible, adult selected

**4405** **405** Out-of-state when ACBS records are not transferred to actual state of residence

**4700 410**Household, no eligible respondent (respondent does not have asthma)

**4411 411** Selected respondent not eligible for follow-up

**4412 412** Transferred from BRFSS but not attempted (excluded by state)

**4471 470** Misdiagnosed asthma in respondent (2008 and later)

**Appendix C: Instructions for Assigning Additional ACBS Disposition Codes**

Following are descriptions of the ACBS disposition codes adapted from standard BRFSS disposition codes and the ACBS disposition codes added to the standard set of BRFSS disposition codes. For detailed definitions for the standard BRFSS disposition codes see the Data Quality Handbook for each survey year (<http://www.cdc.gov/brfss/annual_data/annual_data.htm>).

**I.** **Eligible, contacted: complete interview**

1100 Complete

*Definition*: Respondent completes the ACBS interview through the last question.

1200 Partial complete

*Definition*: Respondent completes the ACBS interview at least through the end of Section 8 (medications).

**II**. **Eligible, contacted: refusal**

4413 Refused to participate in the call-back during the BRFSS interview

*Definition*: During the BRFSS interview, respondents who indicate they have ever been told by a doctor that they have asthma are asked if they will participate in an additional survey at a later date. Some state Institutional Review Boards (IRBs) require that the content of the additional survey (asthma) be disclosed; other state IRBs require that the specific content not be disclosed. Some states have multiple call-back surveys in the field and do not specify the content of any of the call-back interviews. If a respondent refuses to participate in the call-back survey, that record is assigned disposition code 9413.

2112 Refused to begin the ACBS interview after contacted

*Definition*: If the selected respondent is contacted for the ACBS interview but refuses to begin the interview, then the record is assigned code 9220.

2120 Terminated within the questionnaire during the ACBS interview

*Definition*: If the respondent is contacted for the ACBS and terminates after the interview begins (section 3) but before completing section 8, then record is considered incomplete and is assigned disposition code 9210.

2211 Refused to allow combining ACBS responses with BRFSS responses

*Definition*: Some states require that the respondent provide active approval to combine their responses from the initial BRFSS interview with their responses from the ACBS interview. This approval may be requested at either the initial BRFSS interview or at the beginning of the ACBS interview. If the respondent does not approve combining data from the two interviews, the record is assigned disposition code 9211.

2212 Refused to answer the “ever had asthma” question during the ACBS interview

*Definition*: The selected respondent is contacted for the ACBS interview but refuses to answer the initial asthma question. If the respondent answers "don't know" or "refused" to the ACBS question EVER-ASTH (2.1) “Have you ever been told by a doctor or other health professional that (you have/sample child has) asthma?”, then the record is assigned code 9212.

**III**. **Eligible, lost to follow-up because unable to contact or communicate with the BRFSS respondent**

4306 Selected ACBS respondent no longer living in the BRFSS household

*Definition*: The BRFSS respondent with asthma left the BRFSS household between the BRFSS interview and the ACBS interview. If the selected respondent (from the BRFSS) no longer lives in the BRFSS household but did live in the household during the BRFSS interview, then attempts should be made to obtain new contact information for the selected respondent, and the follow-up should be conducted using the new telephone number. If this is not possible or the household refuses to provide new contact information, then the record is assigned disposition code 9306.

Refer to the Data Quality Handbook for each survey year for the definitions of all other codes in this category (http://www.cdc.gov/brfss/technical\_infodata/surveydata.htm).

**IV.** **Eligible, lost to follow-up for technical reasons**

Refer to the Data Quality Handbook for each survey year for the definitions of all codes in this category (http://www.cdc.gov/brfss/technical\_infodata/surveydata.htm).

**V.** **Ineligible**

**2290** The person the most knowledgeable about the selected child with asthma is not the parent or legal guardian (child ineligible)

*Definition*: This code applies only to the child ACBS interview. The child selected during the BRFSS interview is eligible for the ACBS (the BRFSS respondent indicated that the selected child has an asthma diagnosis). The ACBS child protocol allows a parent or guardian to transfer the interview to a more knowledgeable proxy respondent. If the BRFSS respondent is not the parent or guardian of the selected child with asthma, but the parent or guardian is present to transfer to the person most knowledgeable about the child’s heath, but the most knowledgeable person is not available, then the child is ineligible for the ACBS. The child record is assigned disposition code 2290

**2291** No parent or legal guardian in the household (child ineligible)

*Definition*: This code applies only to the child ACBS interview. The child selected during the BRFSS interview is eligible for the ACBS (the BRFSS respondent indicated that the selected child has an asthma diagnosis). However, ACBS child protocol requires that the BRFSS respondent must be the parent or guardian of the child to provide proxy responses for the child or to approve transfer to a more knowledgeable proxy respondent. If there is no parent or guardian of the selected child with asthma in the household, the child is ineligible for the ACBS. The child record is assigned disposition code 2291.

**4405** Out-of-state

*Definition:* The BRFSS question that determines eligibility for the ACBS is “Have you ever been told by a doctor, nurse, or other health professional that (you have/the sample child has) asthma?” Respondents who answer “yes” are eligible for the ACBS. If the respondent is a state resident at the time of the BRFSS interview, but moves to an out-of-state residence between the BRFSS interview and the ACBS interview, the respondent is not eligible for the ACBS if either the new state or the old state is not participating in record transfers, and the record is assigned disposition code 4405.

**4700**Household, no eligible respondent (respondent does not have asthma)

*Definition:* The BRFSS question that determines eligibility for the ACBS is “Have you ever been told by a doctor, nurse, or other health professional that (you have/the sample child has) asthma?” Respondents who answer “yes” are eligible for the ACBS. If the respondent informs the ACBS interviewer that the recorded response from the BRFSS interview was in error and terminates the call, then the respondent is not eligible for the ACBS, and the record is assigned disposition code 4700.

**4411** Selected respondent not eligible for follow-up

*Definition:* If the respondent disagrees with the recorded response to the asthma question from the BRFSS interview and answers “no” to the ACBS question EVER-ASTH (2.1) “Have you ever been told by a doctor or other health professional that (you have/the sample child has) asthma?”, then the respondent is not eligible for the ACBS, and the record is assigned disposition code 4411.

**4412** Transferred from BRFSS but not attempted (excluded by state)

*Definition:* The BRFSS question that determines eligibility for the ACBS is “Have you ever been told by a doctor, nurse, or other health professional that (you have/the sample child has) asthma?” Respondents who answer “yes” are eligible for the ACBS. Eligible respondents are then asked for permission to call back. Those that agree should be called for the ACBS interview. However, if a respondent eligible to be called is transferred from BRFSS to the ACBS but never called, then the record is assigned disposition code 4412.

**4471** Misdiagnosed asthma in respondent (2008 and later)

*Definition:* The BRFSS question that determines eligibility for the ACBS is “Have you ever been told by a doctor, nurse, or other health professional that (you have/the sample child has) asthma?” Respondents who answer “yes” are eligible for the ACBS. However, the initial diagnosis could have been in error and changed. This misdiagnosis is not captured by the BRFSS or ACBS. If the respondent informs the interviewer of the misdiagnosis, the respondent is not eligible for the ACBS, and the record is assigned disposition code 4470.

**4480** Not recruited for call-back at BRFSS interview (excluded by state)

*Definition:* The BRFSS question that determines eligibility for the ACBS is “Have you ever been told by a doctor, nurse, or other health professional that (you have/the sample child has) asthma?” Respondents who answer “yes” are eligible for the ACBS. Eligible respondents are then asked for permission to call back. Those who agree should be called for the ACBS interview. However, if a respondent eligible to be called is not transferred from BRFSS to the ACBS and is never called, then the record is assigned disposition code 4480.

**4490** Random child/adult selection: adult ineligible, child selected

*Definition:* If both the BRFSS respondent and the randomly selected child in the household have asthma and the BRFSS respondent agrees to the call-back interview, one or the other is randomly selected to be eligible for the call-back. If the child is selected, the adult is ineligible, and the adult record is assigned disposition code 4490.

**4491** Random child/adult selection: child ineligible, adult selected

*Definition:* If both the BRFSS respondent and the randomly selected child in the household have asthma and the BRFSS respondent agrees to the call-back interview, one or the other is randomly selected to be eligible for the call-back. If the adult is selected, the child is ineligible, and the child record is assigned disposition code 4491.