Attachment 14 -



2013

Behavioral Risk Factor Surveillance System Asthma Call-Back Survey Summary Data Quality Report



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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 3130	Contact, hang-up or termination, unknown if private residence No answer
3140 3200 3322 3330	Telephone answering device, unknown if private residence Hang-up or termination, known household. Household contact, eligibility undetermined Physical or mental impairment Language problem
4100 4900	Household members away from residence during entire interviewing period Miscellaneous, non-eligible (for ACBS miscellaneous non-contact)
<u>4306</u>	Selected ACBS respondent no longer living in the BRFSS household
<u>Tempo</u>	prary 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 5220	Answering machine, unknown if private residence Answering machine, message confirming residential status
5320	Physical or mental impairment
5330	Language problem
5550	Busy
5560	Unsafe location for interview
	e, lost to follow-up for technical reasons
2150	Talagammunication tachnological barrier, unknown if private regidence
3150 3700	Telecommunication technological barrier, unknown if private residence 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 4460	Cellular telephone from landline sample 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
-	prary codes: should be resolved prior to submission
5150	Technological barrier other than answering machine, unknown if private residence Fax/data/modem
5200 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

IV.

- 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 No parent or legal guardian in the household (child ineligible) 2291 Not recruited for call-back at BRFSS interview (excluded by state) 4480 Random child/adult selection: adult ineligible, child selected 4490 Random child/adult selection: child ineligible, adult selected 4491 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:

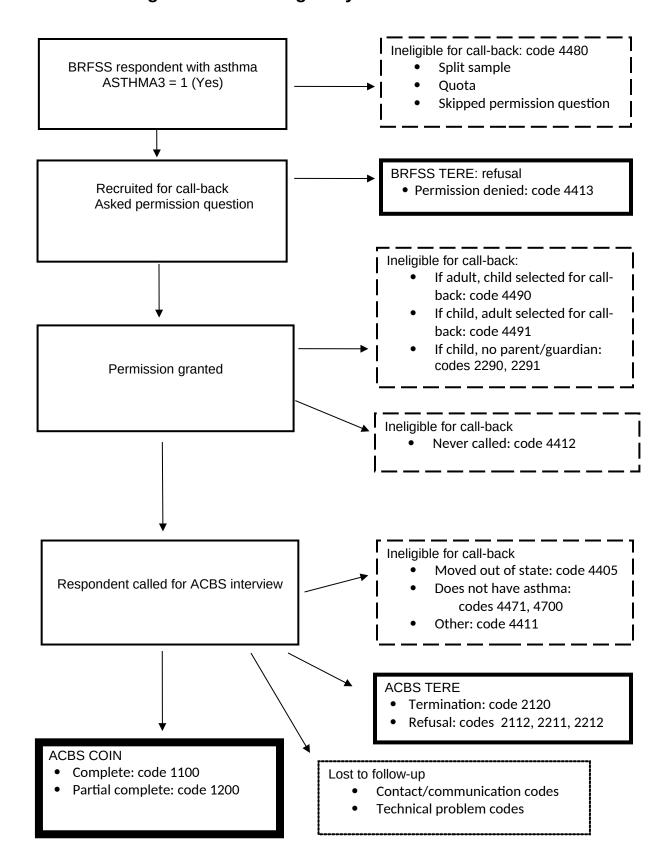
 Respondents in households where both the selected adult and selected child in the household have asthma. When both have asthma, only one is eligible for the ACBS.

- 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 TERE	4413	At BRFSS interview
Terminations and refusals	<u>2112, 2120, 2211, 2212, </u>	At ACBS
Eligible, lost to follow-up	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
Not interviewed	3150, 3700, 4200, 4300, 4400, 4430, 4450, 4460, 4470, 4500, 4510, 5400, 5150, 5200, 5300, 5599, 5700, 5900, 9999	Technical problems
	<u>2290, 2291, 4480, 4490, 4491</u>	At BRFSS interview
Ineligible	<u>4405, 4700, 4411, 4471</u>	At ACBS
	4412	No ACBS attempt

Figure 1: ACBS Eligibility Flow Chart:



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 callback 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 callback 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:

ACBS Cooperation Rate:

ACBS CASRO Rate:

ACBS Refusal Rate:

Where:

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

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

 $[(1100+1200)+(\underline{2120}+\underline{2211}+\underline{2212}+\underline{2112})+\underline{4405}+\underline{4700}+\underline{4411}+\underline{4471}+\underline{2291}+\underline{2290}+\underline{4480}+\underline{4490}+\underline{4491}+\underline{4412})]$

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

A. 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

B. 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

		•		R	ecruited f	or call-b	ack	Inelig	ible			Е	ligible		
	BRFSS	Inel	igible	Refuse	ed BRFSS	۸۵۰	reed	Child	Never	Total	COIN	ACBS	Lost to I	Follow-up	Ineligible
STATE/TERRITORY	Asthma	Not Re	ecruited	Т	ERE	Agi	iceu	Selected	Called	Called	COIN	TERE	Contact	Technical	
Alabama*	676	200	29.6%	117	17.3%	359	53.1%	1	63	295	170	295	170	16	107
Arizona	390	47	12.1%	109	28.0%	234	60.0%	7	1	225	135	225	135	13	62
California	1,035	344	33.2%	235	22.7%	456	44.1%	19	0	437	264	437	264	24	90
Connecticut	887	86	9.7%	214	24.1%	587	66.2%	17	1	566	313	566	313	25	205
Florida*	3,715	448	12.1%	693	18.7%	2574	69.3%	0	772	1796	1000	1,796	1,000	29	592
Georgia	733	104	14.2%	178	24.3%	451	61.5%	21	58	372	190	372	190	9	157
Hawaii	619	37	6.0%	260	42.0%	322	52.0%	10	16	296	179	296	179	5	99
Indiana	1,072	90	8.4%	272	25.4%	710	66.2%	15	0	695	426	695	426	16	201
lowa*	620	77	12.4%	153	24.7%	390	62.9%	0	1	389	282	389	282	12	71
Kansas	1,906	99	5.2%	454	23.8%	1353	71.0%	41	131	1181	816	1,181	816	62	272
Kentucky*	1,196	112	9.4%	272	22.7%	812	67.9%	0	0	812	417	812	417	19	321
Louisiana	508	28	5.5%	124	24.4%	356	70.1%	5	1	350	182	350	182	19	125
Maine**	545	25	4.6%	100	18.4%	420	77.1%	11	0	409	290	409	290	5	95
Maryland	1,411	131	9.3%	342	24.2%	938	66.5%	31	254	653	303	653	303	15	307

22.4%

61.3%

71.2%

67.2%

66.5%

52.4%

62.5%

66.0%

63.6%

66.7%

68.4%

54.7%

57.8%

66.8%

58.6%

53.7%

60.2%

63.6%

63.6%

64.3%

59.0%

74.9%

64.6%

81.8%

1,932 19,902 11,962

6,038

38 AREA*** TOTAL 36,314 5,645 15.5% 8,319 22.9% 22350 61.6%

Notes

*States or Territory did not include children: Alabama, Florida, Kentucky, Nevada, Iowa, North Carolina, Puerto Rico

** States only includes respondents in version 1 of the sample split: Maine, New York, North Carolina

*** District of Columbia was exclude because of less than 6 months data

Massachusetts

Michigan

Mississippi

Missouri

Montana

Nebraska

Nevada*

New Jersey

New Mexico

New York**

Oklahoma

Pennsylvania

Rhode Island

Oregon

Texas

Utah

Vermont

Washington

West Virginia

Puerto Rico*

Wisconsin

Ohio

New Hampshire

North Carolina* **

2.001

1.270

1,092

1,226

1,052

1,148

1,314

1,310

1.392

69.6%

5.8%

7.3%

5.0%

5.1%

25.6%

8.3%

6.3%

12.5%

9.5%

11.2%

29.3%

21.8%

6.6%

14.5%

24.5%

14.6%

10.3%

9.3%

6.4%

21.1%

1.4%

19.5%

0.9%

8.0%

33.0%

21.5%

27.8%

28.4%

22.1%

29.2%

27.7%

23.9%

23.8%

20.4%

16.1%

20.4%

26.6%

26.9%

21.8%

25.1%

26.2%

27.0%

29.3%

19.9%

23.7%

15.9%

17.3%

					ecruited fo	or call-b	oack	Inelig					ligible		
	BRFSS		gible		ed BRFSS	Ag	reed	Adult	Never	Total	COIN	ACBS		Follow-up	Ineligible
STATE	Asthma	Not Re			ERE			Selected	Called	Called		TERE		Technical	
Arizona**	70	0	0.0%		25.7%	52	74.3%	9	_	41	20	1	16	1	3
California	230	58	25.2%	53	23.0%	119	51.7%	24		95	42	6	33	11	3
Connecticut	220	3	1.4%	52	23.6%	165	75.0%	23		137	70	1	58	5	3
District of Columbia**	101	5	4.95%	22	21.78%	74	73.27%	0	31	43	23	0	15	2	3
Georgia	196	12	6.1%	34	17.4%	150	76.5%	19	15	116	48	0	66	2	0
Hawaii	138	10	7.3%	47	34.1%	81	58.7%	23	3	55	21	0	33	1	0
Indiana	192	25	13.0%	43	22.4%	124	64.6%	32	0	92	47	1	39	5	0
Kansas** ***	435	34	7.8%	79	18.2%	322	74.0%	51	38	233	136	6	80	7	4
Louisiana **	127	29	22.8%	21	16.5%	77	60.6%	8	0	68	26	4	32	6	0
Maine* **	95	11	11.6%	12	12.6%	72	75.8%	10	0	62	43	0	15	4	0
Maryland	388	11	2.8%	84	21.7%	293	75.5%	27	84	182	64	3	102	13	0
Massachusetts* **	136	52	38.2%	20	14.7%	64	47.1%	10	13	41	17	0	19	4	1
Michigan	243	3	1.2%	70	28.8%	170	70.0%	29	0	141	97	8	16	1	19
Mississippi	149	26	17.5%	19	12.8%	104	69.8%	13	10	81	51	3	19	4	4
Missouri	115	15	13.0%	17	14.8%	83	72.2%	17	9	57	32	0	18	6	1
Montana	158	18	11.4%	22	13.9%	118	74.7%	22	10	86	56	3	21	4	2
Nebraska	255	68	26.7%	42	16.5%	145	56.9%	19	20	106	74	0	25	3	4
New Hampshire	130	0	0.0%	36	27.7%	94	72.3%	21	0	73	38	1	33	1	0
New Jersey	361	11	3.1%	77	21.3%	273	75.6%	47	0	226	72	3	146	5	0
New Mexico	150	31	20.7%	8	5.3%	111	74.0%	20	18	73	27	7	27	5	7
New York*	121	9	7.4%	20	16.5%	92	76.0%	21	10	61	28	1	28	3	1
Ohio*	177	23	13.0%	29	16.4%	125	70.6%	17	5	103	48	1	51	3	0
Oklahoma	173	33	19.1%	26	15.0%	114	65.9%	15	10	89	43	6	32	8	0
Oregon	74	7	9.5%	17	23.0%	50	67.6%	18	3	29	15	0	8	2	4
Pennsylvania	222	60	27.0%	33	14.9%	129	58.1%	23	0	106	59	0	39	7	1
Rhode Island **	169	9	5.3%	41	24.3%	119	70.4%	19	4	96	41	1	46	4	4
Texas	213	34	16.0%	32	15.0%	147	69.0%	22	0	125	60	2	48	15	0
Utah	301	37	12.3%	66	21.9%	198	65.8%	41	2	154	94	9	31	16	4
Vermont	143	1	0.7%	32	22.4%	110	76.9%	12	1	97	46	3	42	3	3
Washington	203	0	0.0%	47	23.2%	156	76.9%	23	4	129	63	6	52	5	3
								l .							_

*States only included version 1 of sample split: Maine, Massachusetts, New York, Ohio

12.9%

13.0%

663 11.24%

11.2%

10.0%

19.35%

4096 69.41%

75.9%

77.0%

West Virginia

32 AREA TOTAL

Wisconsin

^{**}States collected landline sampel only: Arizona, District of Columbia, Kansas, Louisiana, Maine, Massachusetts, Rhode Island

^{***}Kansas was the only state that met the minimum 75 completes requirement among 7 states collected landline sample only, A Landline only data file with only Kansas was not released publicly

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

STATE/TERRITORY	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
Alabama	91.4%	55.7%	38.3%	48.9%
Arizona	91.2%	52.3%	39.6%	43.8%
California	91.7%	50.4%	44.7%	45.5%
Connecticut	92.6%	56.5%	33.2%	43.5%
Florida	97.2%	57.6%	35.2%	48.7%
Georgia	95.5%	50.4%	40.0%	40.7%
Hawaii	97.3%	40.2%	50.2%	33.9%
Indiana	96.4%	59.1%	31.8%	47.0%
Iowa	95.9%	62.7%	31.9%	54.5%
Kansas	92.9%	61.0%	33.0%	52.3%
Kentucky	95.6%	58.9%	29.8%	42.7%
Louisiana	90.6%	55.5%	32.5%	41.3%
Maine	98.3%	73.2%	21.5%	59.2%
Maryland	95.3%	45.9%	44.3%	37.6%
Massachusetts	94.9%	52.3%	44.8%	49.0%
Michigan	93.0%	55.6%	40.4%	50.8%
Mississippi	95.5%	63.6%	30.2%	53.8%
Missouri	94.9%	55.7%	36.6%	47.0%
Montana	96.4%	58.2%	33.5%	47.0%
Nebraska	91.5%	52.9%	43.1%	48.6%
Nevada	91.9%	51.8%	38.1%	41.5%
New Hampshire	92.9%	56.3%	34.7%	44.9%
New Jersey	96.0%	50.5%	34.6%	35.4%
New Mexico	93.3%	57.4%	35.7%	49.6%
New York	98.0%	58.4%	29.7%	43.8%
North Carolina	93.7%	67.0%	29.2%	60.0%
Ohio	97.0%	56.7%	34.9%	45.7%
Oklahoma	87.6%	55.1%	38.5%	48.1%
Oregon	96.0%	54.9%	37.7%	46.3%
Pennsylvania	97.7%	58.8%	34.8%	50.0%
Rhode Island	92.4%	53.3%	37.6%	42.9%
Texas	93.6%	53.7%	35.6%	41.5%
Utah	96.3%	58.8%	33.9%	48.5%
Vermont	92.6%	53.4%	37.7%	43.7%
Washington	93.9%	59.8%	33.2%	49.5%
West Virginia	92.5%	52.1%	42.8%	47.3%
Wisconsin	87.9%	65.4%	29.8%	56.7%
Puerto Rico	94.4%	76.2%	19.5%	62.5%
38 AREA* TOTAL	94.4%	56.8%	35.9%	47.5%
38 AREA MEDIAN	94.2%	56.0%	35.0%	47.0%

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

STATE	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
Arizona**	95.24%	51.28%	38.62%	40.65%
California	87.50%	41.58%	50.48%	35.93%
Connecticut	98.59%	56.91%	32.00%	42.27%
District of Columbia **	100.00%	51.11%	42.88%	44.83%
Georgia	100.00%	58.54%	29.13%	41.12%
Hawaii	100.00%	30.88%	58.37%	26.08%
Indiana	97.92%	51.65%	39.60%	42.30%
Kansas** ***	95.77%	61.54%	31.84%	50.95%
Louisiana **	86.67%	50.98%	36.52%	37.98%
Maine **	100.00%	78.18%	17.71%	63.45%
Maryland	95.52%	42.38%	45.37%	33.37%
Massachusetts **	100.00%	45.95%	48.54%	41.26%
Michigan	92.38%	55.43%	41.84%	52.03%
Mississippi	94.44%	69.86%	26.00%	60.28%
Missouri	100.00%	65.31%	28.63%	53.89%
Montana	94.92%	69.14%	26.51%	59.39%
Nebraska	100.00%	63.79%	33.02%	58.18%
New Hampshire	97.44%	50.67%	38.11%	39.13%
New Jersey	96.00%	47.37%	33.73%	30.36%
New Mexico	79.41%	58.70%	28.91%	52.03%
New York	96.55%	57.14%	33.96%	45.28%
Ohio	97.96%	61.54%	28.26%	45.22%
Oklahoma	87.76%	57.33%	34.29%	46.08%
Oregon	100.00%	46.88%	48.31%	42.62%
Pennsylvania	100.00%	64.13%	29.74%	53.16%
Rhode Island **	97.62%	49.40%	38.21%	37.30%
Texas	96.77%	63.83%	26.75%	47.21%
Utah	91.26%	55.62%	38.38%	48.10%
Vermont	93.88%	56.10%	30.59%	40.21%
Washington	91.30%	54.31%	34.03%	40.46%
West Virginia	91.84%	72.58%	22.34%	59.14%
Wisconsin	90.48%	73.08%	21.61%	58.66%
32 AREA TOTAL	94.96%	56.27%	35.03%	45.26%
32 AREA MEDIAN	96.28%	56.51%	33.85%	45.03%

States collected landline sampel only: Arizona, District of Columbia, Kansas, Louisiana, Maine, Massachusetts, Rhode Island

Notes

^{***}Kansas was the only state that met the 75 minimum completes requirement among 7 states collected landline only sample, a landline only data file with only Kansas was not released publicly

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

1							2013								201		
STATE/TERRITORY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	TOTAL
Alabama		5	23	•		•	20	20	22	28	27	25	•				170
Arizona	•	30	25	18	14	8	11	1	1	2	2	14	9				135
California								88	93	48	35						264
Connecticut		36	23	28	16	15	47	51	24	33	14	14	12				313
District of Columbia*		19	7														26
Florida								383	195	128	131	140	23				1,000
Georgia		18	31	23	24	11	25	18	11	16	13		•				190
Hawaii		31	21	6	24	12	9	14	15	15	9	17	6				179
Indiana	•	43	57	27	32	43	33	33	35	33	46	43	1	ŀ			426
Iowa		21	30	17	3	24	32	24	27		19	74	11				282
Kansas				223	98	54	84	56	86	68	54	77	16				816
Kentucky		•	110	29	26	18	47	27	50	28	54	24	4				417
Louisiana						56	38	12	1	22		25	2		26		182
Maine		32	38	25	26	21	28	30	18	22	23	23	4				290
Maryland		38	29	24	16	31	28	33	23	29	16	24	12				303
Massachusetts	8					13	23	48	22	14	15	25	6				186
Michigan	•	62	58	46	53	28	62	61	32	36	57	56	29	3			583
Mississippi		•	58	45	5	19	13	26	27	17	10	42	12				274
Missouri		•	25	64	31	16	10	39	9	20	11	38	13				276
Montana	•	37	28	33	28	28	11	33	29	35	35	27	28				352
Nebraska								37	98	87	74	52	16				364
Nevada	•		•	•	37	13	28	11	18	1	11	9	30				158
New Hampshire		33	26	14	16	12	27	48	24	36	13	35	5				289
New Jersey	•	•	13	35	27	35	34	45	39	27	47	29	4			•	335
New Mexico			32	29	38	30	9	34	26	41	37	25	3				304
New York	•	33	16	7	5	14	9	13	7	12	14	16	3			•	149
North Carolina		10	22	3		3	26	31	8	8	16	7	14				148
Ohio		28	43	19			59	32	28	46	39	19	7				320
Oklahoma		•			60		48	65	1	60	39	•				45	318
Oregon		32	16				85	44	19	16	19	10					241
Pennsylvania		35	61	1		22	38	32	30	36	38	45	3				341
Rhode Island	•	30	15	12	27	15	38	27	18	15	17	27	3			ŀ	244
Texas		28	40	22	28	30	29	19	18	29	28	32	3			ŀ	306
Utah	•	•					•		78	103	5	83	70	31	41	35	446
Vermont		36	27	11	17	20	34		14	28	14	32	9	ŀ		ŀ	264
Washington	•	•				41	104	44	50	61	30	51	22	ŀ		ŀ	403
West Virginia		26	26	15	24				20	22			15			ŀ	148
Wisconsin	•	•		•		•	•		1	9	16	4	111	91	•		232
Puerto Rico				•		•	112	86	29	23	11	37	14	2		- 	314
39 AREA TOTAL	8		900	776	675	632			1,246				520	127	67	80	11,988
38 AREA* TOTAL	8	656	893	776	675	632	1.201	1,587	1,246	1,254	1,039	1,201	520	127	67	80	11,962

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

						20:	13								201	4	
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	TOTAL
Arizona**		4	4	7	2	1	1					1					20
California								21	10	9	2						42
Connecticut		11	9	6	2	4	7	8	5	6	4	4	4				70
District of Columbia**		4	3						1	3	1	7	4				23
Georgia		3	6	5	4	6	5	5	2	4	8						48
Hawaii		5	2		4	1	1	1	2		2	2	1				21
Indiana		3	6	3	5	1	1	2	5	6	7	8					47
Kansas** ***				29	27	2	25	8	11	14	9	9	2				136
Louisiana **						6	7	3	2	2		3	1		2		26
Maine* **		5	4	2	6	3	5	4	5	4	3	2					43
Maryland		13	9	3	2	2	7	5	8	5	6	4					64
Massachusetts* **	2	3				1	5	2			3	1		•			17
Michigan		10	8	7	6	6	11	11	5	5	12	11	5				97
Mississippi			11	3	2	5	8	4	4	3	2	4	5				51
Missouri				5	9	2	2	1	1	6	1	2	3				32
Montana			6	2	3	8	2	2	4	6	11	7	5				56
Nebraska								6	9	26	13	14	6				74
New Hampshire				12	7	2	3	3		3	2	4	2				38
New Jersey			1	8	8	6	13	5	9	8	7	6	1				72
New Mexico			4	1	1	4	2		4	2	4	5					27
New York*		3	4	4	2	3	3		1	3	2	2	1				28
Ohio*		4	6	4			7	8	3	5	3	5	3				48
Oklahoma					5		7	13	4	10	2					2	43
Oregon			2				3	2	4		1	3					15
Pennsylvania		7	6			3	7	7	3	6	6	10	4				59
Rhode Island **		1	3	2	5	3	2	4	3	6	6	2	4				41
Texas		7	9	6	5	6	5	4	1	3	7	6	1				60
Utah												15	56	10	9	4	94
Vermont		7	8	3	2	3	5	6	2	4	2	2	2				46
Washington						12	24	4	3	6	4	5	5				63
West Virginia		6	6	3	5	6	5	2	2	4		6					45
Wisconsin						•				1	2		20	15			38
32 AREA TOTAL	2	96	117	115	112	96	173	141	113	160	132	150	135	25	11	6	1,584

NOTES

^{*}States only included version 1 of sample split: Maine, Massachusetts, New York, Ohio

^{**}States collected landline sampel only: Arizona, District of Columbia, Kansas, Louisiana, Maine, Massachusetts, Rhode Island

^{***}Kansas was the only state that met the minimum 75 completes requirement among 7 states collected landline sample only, A landline only data file with only Kansas was not released publicly

				R	ecruited f	or call-b	ack	Inelig	ible			E	ligible		
	BRFSS	Ineligi	ble Not	Refuse	d BRFSS	A		Child	Never	Total	COIN	ACBS	Lost to	follow-up	Ineligible
STATE/TERRITORY	Asthma	Reci	ruited	T	ERE	Agi	reed	Selected	Called	Called	COIN	TERE	Contact	tact Technical	
California	1,773	698	39.4%	349	19.7%	726	41.0%	26	0	700	384	38	186	60	32
Connecticut	1,258	175	13.9%	284	22.6%	799	63.5%	26	61	709	373	29	274	23	10
Georgia	1,108	211	19.0%	246	22.2%	651	58.8%	26	121	504	240	10	231	23	(
Hawaii	1,241	121	9.8%	447	36.0%	673	54.2%	38	40	595	307	36	231	16	
Indiana	1,485	185	12.5%	340	22.9%	960	64.7%	25	0	935	558	18	287	60	12
lowa*	895	132	14.8%	201	22.5%	562	62.8%	0	1	561	370	20	141	25	
Maryland	1,684	209	12.4%	387	23.0%	1,088	64.6%	37	255	796	362	21	378	35	(
Michigan	1,963	159	8.1%	595	30.3%	1,209	61.6%	41	0	1,168	848	97	187	22	14
Mississippi	917	77	8.4%	186	20.3%	654	71.3%	20	64	570	352	20	165	28	
Missouri	1,007	104	10.3%	260	25.8%	643	63.9%	15	33	595	353	21	165	32	24
Montana	1,242	84	6.8%	348	28.0%	810	65.2%	24	3	783	469	26	240	44	4
Nebraska	1,843	530	28.8%	371	20.1%	942	51.1%	15	223	704	463	43	175	21	2
Nevada*	657	79	12.0%	173	26.3%	405	61.6%	0	15	390	212	18	127	29	4
New Hampshire	995	91	9.2%	252	25.3%	652	65.5%	14	0	637	365	29	210	26	7
New Jersey	1,872	310	16.6%	416	22.2%	1,146	61.2%	52	0	1,094	441	17	596	39	:
New Mexico	1,356	151	11.1%	303	22.4%	902	66.5%	32	120	750	445	37	228	30	10
New York**	631	77	12.2%	132	20.9%	422	66.9%	11	20	391	183	4	167	33	4
North Carolina* **	503	135	26.8%	85	16.9%	283	56.3%	0	3	280	176	14	76	11	;
Ohio	1,635	423	25.9%	311	19.0%	901	55.1%	27	64	810	419	15	339	36	:
Oklahoma	1,157	113	9.8%	282	24.4%	762	65.9%	18	173	571	368	51	134	17	:
Oregon	1,057	241	22.8%	245	23.2%	571	54.0%	6	48	517	303	13	180	13	8
Pennsylvania	1,534	422	27.5%	306	20.0%	806	52.5%	30	0	776	453	12	248	52	1:
Texas	1,425	273	19.2%	332	23.3%	820	57.5%	21	0	799	407	24	293	60	15
Utah	1,759	191	10.9%	440	25.0%	1,128	64.1%	43	2	1,082	659	26	305	89	;
Vermont	967	93	9.6%	258	26.7%	616	63.7%	24	1	589	332	24	194	26	13
Washington	1,697	411	24.2%	319	18.8%	967	57.0%	46	2	918	519	31	310	35	23
West Virginia	774	32	4.1%	168	21.7%	574	74.2%	21	158	395	228	18	121	18	10
Wisconsin	874	196	22.4%	129	14.8%	549	62.8%	16	5	528	341	47	97	30	13
Puerto Rico*	1,034	20	1.9%	163	15.8%	851	82.3%	0	44	807	526	23	184	63	1:
29 AREA TOTAL	36,343	5,943	16.4%	8,328	22.9%	22,072	60.7%	654	1,456	19,954	11,456	782	6,469	996	25
Notes															
*States or Territory of	lid not inclu	de child	ren: Neva	da. Iow	a. North C	arolina.	Puerto Ri	со							

Recruited for call-back Ineligible Eligible **BRFSS** Ineligible Not Refused BRFSS Adult Never Total ACBS | Lost to follow-up Ineligible Agreed COIN STATE Asthma Recruited TERE Selected Called Called TERE Contact Technical 52.9% California* 22.7% 24.4% Connecticut 1.6% 24.0% 74.4% Georgia* 6.0% 19.4% 74.6% Hawaii* 11.4% 26.4% 62.1% Indiana 13.1% 20.9% 66.0% 74.4% Maryland* 2.8% 22.8% n Michigan 2.0% 28.8% 69.2% Mississippi 14.2% 14.2% 71.7% Missouri* 10.8% 15.7% 73.5% 11.3% 15.2% 73.4% Montana 52.5% 31.4% 16.1% Nebraska New Hampshire* 0.0% 25.1% 74.9% 4.9% 20.8% 74.3% **New Jersey** New Mexico* 16.1% 6.7% 77.2% New York* ** 8.8% 15.6% 75.6% Ohio** 15.3% 15.3% 69.5% Oklahoma* 13.7% 13.4% 72.9% 69.0% Oregon* 10.6% 20.4% 28.9% 57.5% Pennsylvania* 13.6% 17.9% 17.9% 64.3% Texas Utah 14.3% 21.1% 64.6% Vermont* 1.1% 20.3% 78.6% Washington 0.0% 21.9% 78.1%

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

Notes:

West Virginia*

25 AREA TOTAL

10 WEIGHTED AREA TOTAL

Wisconsin*

75.8%

75.9%

69.0%

68.3%

3,887

1,922

1,802

1,626

7,346

3,515

10.7%

11.7%

11.3%

11.8% 1,412

13.5%

12.4%

19.2%

20.4%

5,071

2,400

^{*} Child data for California, Georgia, Hawaii, Maryland, Missouri, New Hampshire, New Mexico, New York, Ohio, Oklahoma, Oregon, Pennsylvania, Vermont, West Virginia, Wisconsin were not included in the data file because there were too few records (<75) to produce reliable weights.

^{**} Ohio only included in version 1 of sample split

^{**} New York only included in version 1 of sample split

Table 2B.1 ACBS 2013 Response Rates by State/Territory: Adult Landline and Cell Phone Sample STATE/TERRITORY Completion Rate | Cooperation Rate **Refusal Rate** CASRO Rate 91.0% 49.7% 45.1% 44.7% California 54.2% 36.2% 43.1% Connecticut 92.8% 96.0% 48.4% 42.6% 40.0% Georgia Hawaii 89.5% 38.7% 51.1% 32.5% Indiana 96.9% 30.7% 47.8% 60.4% Iowa 94.9% 62.1% 31.0% 51.9% Maryland 94.5% 47.0% 43.0% 38.2% Michigan 89.7% 54.9% 40.5% 49.6% Mississippi 94.6% 62.6% 29.8% 50.9% Missouri 94.4% 55.2% 36.6% 46.0% Montana 94.8% 55.5% 34.8% 43.7% Nebraska 91.5% 52.7% 43.4% 48.5% 37.3% Nevada 92.2% 52.4% 41.4% **New Hampshire** 92.6% 56.4% 33.8% 44.0% **New Jersey** 96.3% 50.5% 35.3% 35.9% 92.3% 56.2% 36.1% 47.3% New Mexico New York 97.9% 56.3% 30.6% 41.2% North Carolina 92.6% 30.5% 63.5% 54.2% Ohio 96.5% 56.2% 35.6% 45.7% 42.2% Oklahoma 46.7% 87.8% 52.2% Oregon 95.9% 53.8% 39.1% 45.9% 49.2% Pennsylvania 97.4% 58.6% 34.5% Texas 94.4% 53.2% 36.8% 42.0% Utah 96.2% 32.9% 46.5% 58.5% Vermont 93.3% 53.9% 36.3% 42.8% Washington 94.4% 59.7% 33.2% 49.3% 92.7% 38.2% West Virginia 54.8% 46.8% 29.5% Wisconsin 87.9% 65.8% 57.1% Puerto Rico 95.8% 73.9% 20.0% 56.6%

55.5%

55.2%

36.4%

36.1%

45.8%

46.0%

29 AREA TOTAL

29 AREA MEDIAN

93.6%

94.4%

Table 2B.2 ACBS 2013 Response Rates by State: Child Landline and Cellphone Sample

87.9% 97.7% 100.0% 79.5% 98.7% 95.9% 86.4% 94.1% 97.9% 95.3% 97.9% 96.1%	Cooperation Rate 37.7% 52.5% 50.9% 35.4% 56.2% 39.1% 50.2% 65.3% 63.5% 65.3% 58.5%	52.9% 34.2% 36.6% 53.0% 35.9% 47.1%	32.0% 37.8% 37.9% 29.1% 46.1% 30.2% 45.3% 52.5% 50.8%
97.7% 100.0% 79.5% 98.7% 95.9% 86.4% 94.1% 97.9% 95.3% 97.9%	52.5% 50.9% 35.4% 56.2% 39.1% 50.2% 65.3% 63.5% 65.3%	34.2% 36.6% 53.0% 35.9% 47.1% 45.0% 27.9% 29.2%	37.8% 37.9% 29.1% 46.1% 30.2% 45.3% 52.5% 50.8%
100.0% 79.5% 98.7% 95.9% 86.4% 94.1% 97.9% 95.3% 97.9%	50.9% 35.4% 56.2% 39.1% 50.2% 65.3% 63.5% 65.3%	36.6% 53.0% 35.9% 47.1% 45.0% 27.9% 29.2%	37.9% 29.1% 46.1% 30.2% 45.3% 52.5% 50.8%
79.5% 98.7% 95.9% 86.4% 94.1% 97.9% 95.3% 97.9% 96.1%	35.4% 56.2% 39.1% 50.2% 65.3% 63.5% 65.3%	53.0% 35.9% 47.1% 45.0% 27.9% 29.2%	29.1% 46.1% 30.2% 45.3% 52.5% 50.8%
98.7% 95.9% 86.4% 94.1% 97.9% 95.3% 97.9% 96.1%	56.2% 39.1% 50.2% 65.3% 63.5% 65.3%	35.9% 47.1% 45.0% 27.9% 29.2%	46.1% 30.2% 45.3% 52.5% 50.8%
95.9% 86.4% 94.1% 97.9% 95.3% 97.9% 96.1%	39.1% 50.2% 65.3% 63.5% 65.3%	47.1% 45.0% 27.9% 29.2%	30.2% 45.3% 52.5% 50.8%
86.4% 94.1% 97.9% 95.3% 97.9% 96.1%	50.2% 65.3% 63.5% 65.3%	45.0% 27.9% 29.2%	45.3% 52.5% 50.8%
94.1% 97.9% 95.3% 97.9% 96.1%	65.3% 63.5% 65.3%	27.9% 29.2%	52.5% 50.8%
97.9% 95.3% 97.9% 96.1%	63.5% 65.3%	29.2%	50.8%
95.3% 97.9% 96.1%	65.3%		
97.9% 96.1%		28.5%	
96.1%	58.5%		53.7%
		38.1%	53.8%
96 7%	51.6%	36.4%	38.7%
75.770	45.3%	35.0%	29.0%
81.4%	62.5%	28.1%	53.1%
97.4%	58.7%	31.7%	45.1%
98.4%	59.8%	28.6%	42.5%
83.3%	54.6%	37.1%	44.7%
100.0%	51.1%	44.1%	46.0%
98.7%	61.7%	31.5%	50.7%
93.8%	56.9%	33.1%	43.6%
90.6%	55.2%	38.1%	46.9%
93.0%	55.2%	30.7%	38.8%
92.0%	54.1%	33.0%	38.8%
90.0%	67.0%	26.3%	53.5%
91.4%	69.7%	24.9%	57.4%
92.6%	53.6%	36.8%	42.6%
93.9%	55.0%	35.4%	44.6%
	92.0% 90.0% 91.4% 92.6%	92.0% 54.1% 90.0% 67.0% 91.4% 69.7% 92.6% 53.6%	92.0% 54.1% 33.0% 90.0% 67.0% 26.3% 91.4% 69.7% 24.9% 92.6% 53.6% 36.8%

* Child data for California, Georgia, Hawaii, Maryland, Missouri, New Hampshire, New Mexico, New York, Ohio, Oklahoma, Oregon, Pennsylvania, Vermont, West Virginia, Wisconsin.were not included in the data file because there were too few records (<75) to produce reliable

Table 3B.1 ACBS 2013 Completed Interviews by State/Territory and Month: Adult Landline and Cell Phone Sample STATE/TERRITORY FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR TOTAL California Connecticut Georgia Hawaii Indiana Iowa Maryland Michigan Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico **New York** North Carolina Ohio Oklahoma Oregon Pennsylvania Texas Utah Vermont Washington West Virginia Wisconsin Puerto Rico

589 1,215 1,275 1,135 1,162

1.083

80 11,456

29 AREA TOTAL

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

						2013								2014	-	
STATE	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	TOTAL
California*		•	•		•	•	30	14	9	5		•	•	•		58
Connecticut	11	9	7	3	5	9	9	6	7	7	7	4				84
Georgia*	6	10	5	6	7	6	5	2	4	9		•				60
Hawaii*	13	3	1	15	7	8	2	4	1	4	3	1	•	•		62
Indiana	8	11	5	8	4	2	4	5	8	10	11	1				77
Maryland*	13	9	3	2	2	8	5	10	6	7	5					70
Michigan	11	12	12	11	8	17	13	10	10	15	13	7	1			140
Mississippi		20	7	2	6	9	8	6	7	2	6	6				79
Missouri*			7	10	3	3	4	1	10	1	4	4				47
Montana	5	9	5	4	10	3	4	6	7	12	9	7				81
Nebraska							8	18	26	18	17	6				93
New Hampshire*			15	8	3	4	5		3	4	5	2				49
New Jersey		2	11	9	7	13	7	10	9	10	8	1				87
New Mexico*		12	1	4	9	3	5	8	9	9	9	1				70
New York*	4	6	4	3	5	3	1	1	3	3	3	1				37
Ohio*	6	8	4			9	12	5	5	4	5	3				61
Oklahoma*				12		8	13	12	10	6		2			2	65
Oregon*	1	3				6	2	4	3	2	3					24
Pennsylvania*	10	8	1		5	8	9	3	7	6	13	4				74
Texas	10	15	8	8	8	8	8	2	4	10	9	1				91
Utah	1.										44	62	22	12	4	144
Vermont*	8	10	3	2	3	5	8	3	4	3	2	2				53
Washington	1.				17	27	6	7	7	5	5	6				80
West Virginia*	8	9	4	7	8	10	2	2	4		9					63
Wisconsin*									1	2	1	28	21			53
25 AREA TOTAL	114	156	103	114	117	169	170	139	164	154	191	149	44	12	6	1,802
10 WEIGHTED AREA TOTAL	45	78	55	45	65	88	67	70	85	89	129	101	23	12	4	956

^{*} Child data for California, Georgia, Hawaii, Maryland, Missouri, New Hampshire, New Mexico, New York, Ohio, Oklahoma, Oregon, Pennsylvania, Vermont, West Virginia, Wisconsin were excluded from 10 weighted area total.

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

<u>4413</u>	<u>413</u>	Refused to participate in the call-back during the BRFSS interview
2112 2120 2211 2212	220 210 211 212	Refused to begin the ACBS interview after contacted Terminated within the questionnaire (before section 9 of the ACBS interview) Refused to allow combining ACBS responses with BRFSS responses Refused to answer the "ever had asthma" question during the ACBS interview
<u>~~1~</u>	<u>~ + ~</u>	relased to dissiver the ever had astimal question during the ACDS interview

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

2111 2111	270 280	Hang up or termination before ACBS respondent contacted 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
<u>4306</u>	<u>306</u>	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 3700	350 370	Telecommunication technological barrier, unknown if private residence 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
<u>5999</u>	N/A	Missing disposition code

V. Ineligible

<u>2290</u>	<u> 290</u>	Most Knowledgeable Person isn't parent or legal guardian (child)
<u>2291</u>	<u> 291</u>	No parent or legal guardian in the household (child ineligible)
<u>4480</u>	<u>480</u>	Not recruited for call-back at BRFSS interview (excluded by state)
<u>4490</u>	<u>490</u>	Random child/adult selection: adult ineligible, child selected
<u>4491</u>	<u>491</u>	Random child/adult selection: child ineligible, adult selected

<u>4405</u>	<u>405</u>	Out-of-state when ACBS records are not transferred to actual state of residence
<u>4700</u>	<u>410</u>	Household, no eligible respondent (respondent does not have asthma)
<u>4411</u>	<u>411</u>	Selected respondent not eligible for follow-up
<u>4412</u>	<u>412</u>	Transferred from BRFSS but not attempted (excluded by state)
<u>4471</u>	<u>470</u>	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

<u>2290</u> 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.