



2014

Behavioral Risk Factor Surveillance System

Asthma Call-Back Survey

Summary Data Quality Report



**National
Asthma
Control
Program**

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2014 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 2014 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.
- 2320 Selected respondent physically or mentally unable to complete an interview during the entire 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 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:

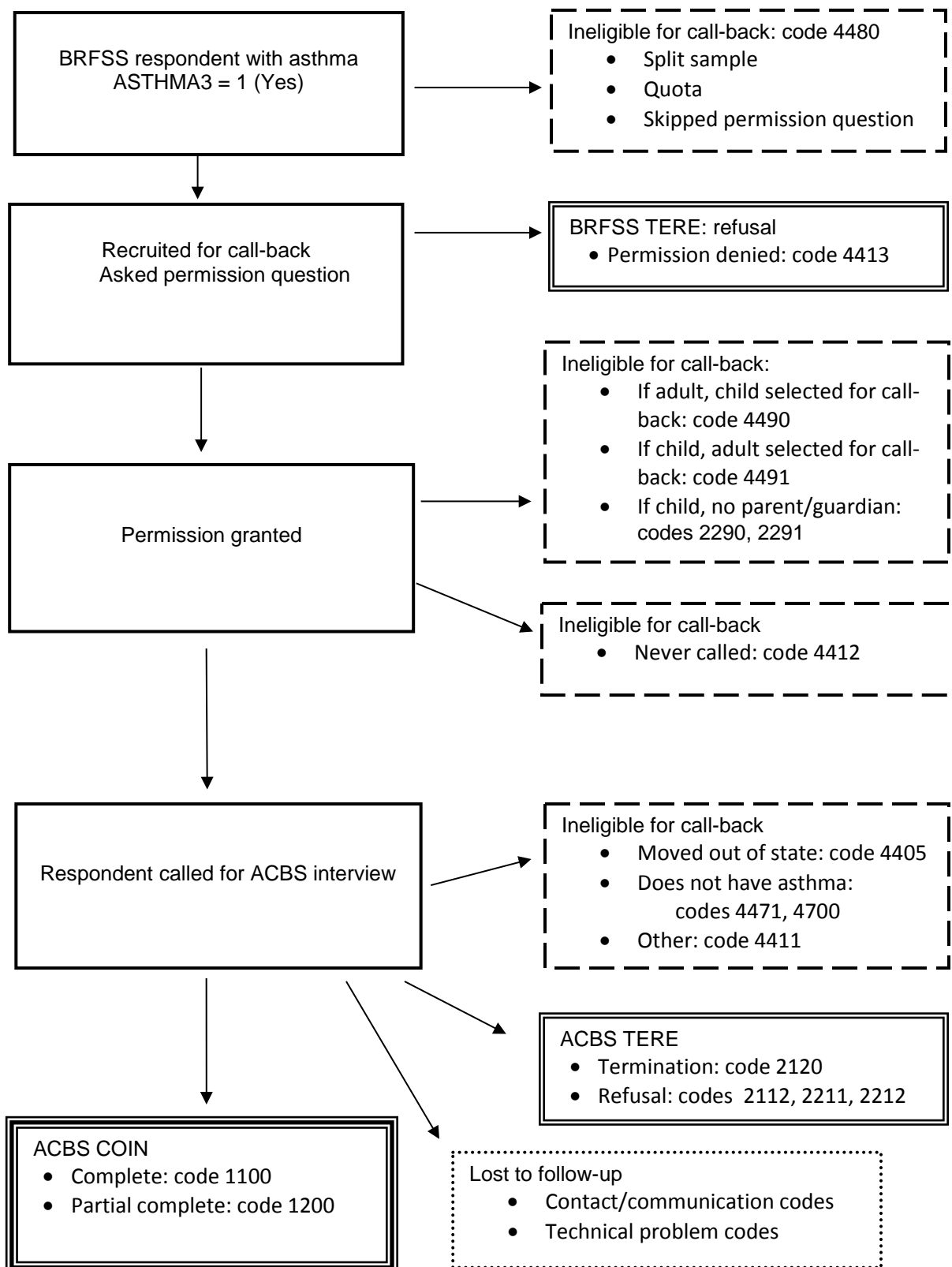
- Respondents in households where both the selected adult and selected child in the household have asthma. When both have asthma, only one is eligible for the ACBS.

- 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 Terminations and refusals	<u>4413</u>	At BRFSS interview
	<u>2112, 2120, 2211, 2212,</u>	At ACBS
Eligible, lost to follow-up Not interviewed	2111, 2210, 2220, 2320, 2330, 3100, 3130, 3140, 3200, 3322, 3330, 4100, 4900, <u>4306</u> , 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, <u>9999</u>	Technical problems
Ineligible	<u>2290, 2291, 4480, 4490, 4491</u>	At BRFSS interview
	<u>4405, 4700, 4411, 4471</u>	At ACBS
	<u>4412</u>	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 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:

$$\frac{1100 + 1200}{1100 + 1200 + \underline{2120} + \underline{2211} + \underline{2212} + \underline{2112}}$$

ACBS Cooperation Rate:

$$\frac{1100 + 1200}{1100 + 1200 + \underline{2120} + \underline{2211} + \underline{2212} + \underline{2112} + \underline{4413} + 2320 + 2330}$$

ACBS CASRO Rate:

$$\frac{1100 + 1200}{[1100 + 1200 + \underline{2120} + \underline{2211} + \underline{2212} + \underline{2112} + \underline{4413}] + P * [\text{Eligible lost}]}$$

ACBS Refusal Rate:

$$\frac{\underline{2120} + \underline{2211} + \underline{2212} + \underline{2112} + \underline{4413}}{[1100 + 1200 + \underline{2120} + \underline{2211} + \underline{2212} + \underline{2112} + \underline{4413}] + P * [\text{Eligible lost}]}$$

Where:

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

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

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 2014 BRFSS ACBS Summary Data Quality Report

A. Landline samples only

Table 1A.1 ACBS 2014 Disposition Categories by State: Adult Landline Sample

Table 1A.2 ACBS 2014 Disposition Categories by State: Child Landline Sample

Table 2A.1 ACBS 2014 Response Rates by State: Adult Landline Sample

Table 2A.2 ACBS 2014 Response Rates by State: Child Landline Sample

Table 3A.1 ACBS 2014 Completed Interviews by State and Month: Adult Landline Sample

Table 3A.2 ACBS 2014 Completed Interviews by State and Month: Child Landline Sample

B. Landline and Cell Phone samples

Table 1B.1 ACBS 2014 Disposition Categories by State: Adult Landline Cell Phone Sample

Table 1B.2 ACBS 2014 Disposition Categories by State: Child Landline Cell Phone Sample

Table 2B.1 ACBS 2014 Response Rates by State: Adult Landline Cell Phone Sample

Table 2B.2 ACBS 2014 Response Rates by State: Child Landline Cell Phone Sample

Table 3B.1 ACBS 2014 Completed Interviews by State and Month: Adult Landline Cell Phone Sample

Table 3B.2 ACBS 2014 Completed Interviews by State and Month: Child Landline Cell Phone Sample

Table 1A.1 ACBS 2014 Disposition Categories by State/Territory: Adult landline Sample

STATE	BRFSS Asthma	Ineligible Not Recruited		Recruited for call-back				Ineligible		Total Called	Eligible				Ineligible
				Refused BRFSS TERE		Agreed		Child selected	Never Called		COIN	ACBS TERE	Lost to follow-up		
													Contact	Technical	
Alabama*	713	24	3.37%	153	21.46%	536	75.18%	0	46	490	279	33	163	12	3
Connecticut	704	69	9.80%	216	30.68%	419	59.52%	0	13	406	212	16	157	16	5
District of Columbia	446	54	12.11%	123	27.58%	269	60.31%	0	15	254	137	8	98	5	6
Florida*	818	76	9.29%	163	19.93%	579	70.78%	0	2	577	312	17	190	53	5
Georgia	557	298	53.50%	58	10.41%	201	36.09%	0	6	195	141	4	47	3	0
Hawaii	409	34	8.31%	157	38.39%	218	53.30%	0	15	203	124	4	73	1	1
Illinois	396	19	4.80%	89	22.47%	288	72.73%	0	26	262	195	7	55	5	0
Indiana	1016	70	6.89%	258	25.39%	688	67.72%	0	18	670	426	15	165	45	19
Iowa	527	46	8.73%	156	29.60%	325	61.67%	0	0	325	222	14	71	14	4
Kansas	876	51	5.82%	203	23.17%	622	71.00%	0	32	590	359	48	166	12	5
Louisiana*	432	29	6.71%	116	26.85%	287	66.44%	0	9	278	137	18	103	15	5
Maine**	561	31	5.53%	134	23.89%	396	70.59%	0	9	387	268	4	89	19	7
Maryland	1384	467	33.74%	242	17.49%	675	48.77%	0	253	422	274	9	130	9	0
Massachusetts**	737	68	9.23%	217	29.44%	452	61.33%	0	4	448	189	128	107	20	4
Michigan	686	15	2.19%	219	31.92%	452	65.89%	0	17	435	338	24	63	3	7
Mississippi	288	15	5.21%	70	24.31%	203	70.49%	0	17	186	133	2	44	4	3
Missouri	611	33	5.40%	205	33.55%	373	61.05%	0	15	358	214	15	91	19	19
Montana	698	25	3.58%	220	31.52%	453	64.90%	0	18	435	281	14	122	11	7
Nebraska	1326	60	4.52%	437	32.96%	829	62.52%	0	12	817	554	51	182	18	12
Nevada*	300	16	5.33%	87	29.00%	197	65.67%	0	2	195	137	4	47	6	1
New Hampshire	632	30	4.75%	193	30.54%	409	64.72%	0	12	397	218	24	129	16	10
New Jersey	1169	205	17.54%	210	17.96%	754	64.50%	0	20	734	439	25	259	11	0
New Mexico	709	51	7.19%	196	27.64%	462	65.16%	0	162	300	193	14	83	10	0
New York**	337	38	11.28%	73	21.66%	226	67.06%	0	10	216	121	7	65	21	2
North Carolina*															
**	214	63	29.44%	0	0.00%	151	70.56%	0	0	151	95	17	38	1	0
Ohio	1050	63	6.00%	194	18.48%	793	75.52%	0	227	566	341	18	186	21	0
Oklahoma	632	36	5.70%	211	33.39%	385	60.92%	0	7	378	193	67	74	33	11

Oregon	430	105	24.42%	0	0.00%	325	75.58%	0	0	325	162	7	138	14	4
Pennsylvania	973	106	10.89%	243	24.97%	624	64.13%	0	25	599	375	14	155	43	12
Rhode Island	685	79	11.53%	191	27.88%	415	60.58%	0	13	402	189	25	174	8	6
Texas	1228	117	9.53%	289	23.53%	822	66.94%	0	14	808	506	25	198	62	17
Utah	827	29	3.51%	248	29.99%	550	66.51%	0	20	530	364	19	107	23	17
Vermont*	439	29	6.61%	129	29.38%	281	64.01%	0	0	281	161	8	98	3	11
Washington	1019	53	5.20%	265	26.01%	701	68.79%	0	18	683	388	26	235	22	12
West Virginia	533	12	2.25%	175	32.83%	346	64.92%	0	41	305	185	10	86	7	17
Wisconsin	492	69	14.02%	76	15.45%	347	70.53%	0	46	301	193	30	68	7	3
Puerto Rico	592	5	0.84%	69	11.66%	518	87.50%	0	20	498	378	5	78	26	11
37 Area***															
Total	25446	2590	10.18%	6285	24.70%	16571	65.12%	0	1164	15407	9433	776	4334	618	246

Notes

*States or Territory did not include children: Alabama, Florida, Iowa, Kansas, Louisiana, Nevada, North Carolina, Vermont

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

***California was excluded because of less than 6 months data

Table 1A.2 ACBS 2014 Disposition Categories by State/Territory: Child Landline Sample

STATE	BRFSS Asthma	Ineligible Not Recruited		Recruited for call-back				Ineligible		Total Called	Eligible				Ineligible
				Refused		Agreed		Adult Selected	Never Called		COIN	ACBS TERE	Lost to follow-up		
				BRFSS	TERE								Contact	Technical	
Connecticut	154	6	3.90%	47	30.52%	101	65.58%	0	0	87	32	1	49	3	2
District of Columbia	76	0	0.00%	14	18.42%	62	81.58%	0	1	56	23	0	31	1	1
Georgia	128	23	17.97%	12	9.38%	93	72.66%	0	0	90	69	3	15	3	0
Hawaii	91	16	17.58%	35	38.46%	40	43.96%	0	2	27	14	1	12	0	0
Illinois	72	7	9.72%	20	27.78%	45	62.50%	0	1	36	25	2	8	0	1
Indiana	210	23	10.95%	52	24.76%	135	64.29%	0	0	97	52	2	30	13	0
Maine*	94	9	9.57%	22	23.40%	63	67.02%	0	1	48	30	1	9	8	0
Maryland	396	84	21.21%	55	13.89%	257	64.90%	0	67	179	91	5	83	0	0
Massachusetts*	109	1	0.92%	19	17.43%	89	81.65%	0	1	62	17	25	17	2	1
Michigan	134	0	0.00%	43	32.09%	91	67.91%	0	0	81	52	3	18	3	5
Mississippi	63	11	17.46%	7	11.11%	45	71.43%	0	3	37	25	2	8	1	1
Missouri	135	14	10.37%	31	22.96%	90	66.67%	0	24	50	32	2	13	3	0
Montana	111	18	16.22%	26	23.42%	67	60.36%	0	6	51	25	2	21	1	2
Nebraska	193	18	9.33%	38	19.69%	137	70.98%	0	5	113	81	7	15	4	6
New Hampshire	110	0	0.00%	30	27.27%	80	72.73%	0	0	64	26	8	28	0	2
New Jersey	350	52	14.86%	38	10.86%	260	74.29%	0	0	245	131	4	105	5	0
New Mexico	142	21	14.79%	7	4.93%	114	80.28%	0	37	63	24	2	24	5	8
New York*	79	8	10.13%	19	24.05%	52	65.82%	0	0	41	13	0	23	5	0
Ohio*	154	16	10.39%	19	12.34%	119	77.27%	0	32	81	40	1	34	6	0
Oklahoma	131	25	19.08%	23	17.56%	83	63.36%	0	7	62	24	7	26	5	0
Oregon	51	6	11.76%	0	0.00%	45	88.24%	0	0	45	13	0	28	2	2
Pennsylvania	195	28	14.36%	32	16.41%	135	69.23%	0	0	103	52	2	40	9	0
Rhode Island	137	6	4.38%	33	24.09%	98	71.53%	0	0	86	30	1	48	5	2
Texas	243	33	13.58%	55	22.63%	155	63.79%	0	0	130	61	2	46	18	3
Utah	224	21	9.38%	47	20.98%	156	69.64%	0	0	137	86	9	35	5	2
Washington	160	2	1.25%	35	21.88%	123	76.88%	0	0	102	43	1	47	5	6

West Virginia	99	11	11.11%	22	22.22%	66	66.67%	0	6	44	28	3	11	1	1
Wisconsin	86	14	16.28%	14	16.28%	58	67.44%	0	6	40	20	4	14	1	1
Puerto Rico	150	20	13.33%	17	11.33%	113	75.33%	0	6	84	55	0	17	9	3
29 Area** Total	4277	493	11.53%	812	18.99%	2972	69.49%	0	205	2341	1214	100	855	123	49

Notes

* States only include respondents in version 1 of the sample split: Maine, Massachusetts, New York, Ohio

** California was excluded because of less than 6 months data

Table 2A.1 ACBS 2014 Response Rates by State/Territory: Adult Landline Sample

STATE	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
Alabama*	89.42%	59.24%	30.65%	45.98%
Connecticut	92.98%	47.64%	40.76%	37.24%
District of Columbia	94.48%	50.74%	39.00%	40.79%
Florida*	94.83%	63.03%	26.24%	45.48%
Georgia	97.24%	69.46%	28.29%	64.34%
Hawaii	96.88%	43.36%	47.60%	36.66%
Illinois	96.53%	66.78%	28.23%	57.34%
Indiana	96.60%	60.94%	31.45%	49.08%
Iowa*	94.07%	56.63%	36.79%	48.04%
Kansas*	88.21%	58.76%	33.19%	47.46%
Louisiana*	88.39%	50.55%	36.88%	37.70%
Maine**	98.53%	66.01%	27.71%	53.81%
Maryland	96.82%	52.19%	44.49%	48.56%
Massachusetts**	59.62%	35.13%	54.21%	29.70%
Michigan	93.37%	57.88%	37.93%	52.76%
Mississippi	98.52%	64.56%	29.62%	54.71%
Missouri	93.45%	48.97%	42.38%	41.23%
Montana	95.25%	54.25%	37.22%	44.69%
Nebraska	91.57%	53.07%	40.08%	45.50%
Nevada*	97.16%	60.09%	33.13%	49.87%
New Hampshire	90.08%	50.11%	39.14%	39.33%
New Jersey	94.61%	65.13%	27.46%	51.30%
New Mexico	93.24%	47.54%	46.79%	43.00%
New York**	94.53%	60.20%	30.44%	46.04%
North Carolina* **	84.82%	84.82%	12.41%	69.36%
Ohio	94.99%	61.66%	31.76%	51.09%
Oklahoma	74.23%	40.98%	49.68%	34.49%
Oregon	95.86%	95.86%	2.68%	61.97%
Pennsylvania	96.40%	59.34%	33.09%	48.28%

Rhode Island	88.32%	46.55%	40.77%	35.67%
Texas	95.29%	61.41%	30.68%	49.45%
Utah	95.04%	57.32%	35.99%	49.06%
Vermont*	95.27%	54.03%	36.08%	42.41%
Washington	93.72%	56.98%	32.58%	43.45%
West Virginia	94.87%	49.87%	42.20%	42.20%
Wisconsin	86.55%	64.55%	30.46%	55.45%
Puerto Rico	98.69%	83.63%	13.53%	69.10%
37 Area***Total	92.40%	57.03%	35.21%	47.04%
37 Area***Median	94.61%	57.88%	33.19%	47.46%

Notes

*States or area did not include children: Alabama, Florida, Iowa, Kansas, Louisiana, Nevada, North Carolina, Vermont

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

***California was excluded because of less than 6 months data

Table 2A.2 ACBS 2014 Response by State/Territory: Child Landline Sample

STATE	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
Connecticut	96.97%	40.00%	43.17%	28.78%
District of Columbia	100.00%	62.16%	22.75%	37.38%
Georgia	95.83%	82.14%	15.43%	70.97%
Hawaii	93.33%	28.00%	66.55%	25.88%
Illinois	92.59%	53.19%	42.38%	48.16%
Indiana	96.30%	49.06%	42.79%	41.21%
Maine*	96.77%	56.60%	36.75%	47.94%
Maryland	94.79%	60.26%	32.99%	50.03%
Massachusetts*	40.48%	27.87%	60.91%	23.53%
Michigan	94.55%	53.06%	40.17%	45.41%
Mississippi	92.59%	73.53%	22.98%	63.82%
Missouri	94.12%	49.23%	46.36%	44.96%

Montana	92.59%	47.17%	44.85%	40.05%
Nebraska	92.05%	64.29%	32.54%	58.57%
New Hampshire	76.47%	40.63%	46.17%	31.59%
New Jersey	97.04%	75.72%	17.04%	53.14%
New Mexico	92.31%	72.73%	22.44%	59.83%
New York*	100.00%	40.63%	43.80%	29.97%
Ohio*	97.56%	66.67%	25.89%	51.77%
Oklahoma	77.42%	44.44%	45.13%	36.10%
Oregon	100.00%	100.00%	0.00%	41.18%
Pennsylvania	96.30%	60.47%	31.13%	47.61%
Rhode Island	96.77%	46.88%	35.34%	31.18%
Texas	96.83%	51.69%	37.87%	40.53%
Utah	90.53%	60.56%	32.99%	50.67%
Washington	97.73%	54.43%	32.63%	38.97%
West Virginia	90.32%	52.83%	42.57%	47.68%
Wisconsin	83.33%	52.63%	40.62%	45.13%
Puerto Rico	100.00%	76.39%	19.91%	64.43%
29 Area** Total	92.39%	57.10%	34.51%	45.94%

Notes

* States only include respondents in version 1 of the sample split: Maine, Massachusetts, New York, Ohio

** California was excluded because of less than 6 months data

Table 3A.1 ACBS 2014 Completed Interviews by State/Territory and Month: Adult Landline Sample

STATE	2014												2015			TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
Alabama*	.	42	31	34	32	23	22	17	16	22	22	15	3	.	.	279
Connecticut	1	28	9	10	27	14	27	21	12	14	9	33	7	.	.	212
District of Columbia	.	.	1	16	15	28	25	34	18	.	.	.	.	.	.	137
Florida*	.	.	.	.	80	72	29	24	18	23	24	37	5	.	.	312
Georgia	17	24	11	31	33	8	.	.	.	13	.	4	.	.	.	141
Hawaii	.	6	8	7	16	10	7	5	13	19	4	24	5	.	.	124
Illinois	.	15	14	26	19	14	28	12	11	15	31	9	1	.	.	195
Indiana	7	20	13	23	44	37	51	40	41	40	49	55	6	.	.	426
Iowa*	.	24	31	14	10	13	21	7	26	21	20	35	.	.	.	222
Kansas*	29	32	31	30	23	38	45	45	27	11	25	20	3	.	.	359
Louisiana*	.	.	.	32	19	14	1	2	.	33	21	8	7	.	.	137
Maine**	5	29	20	26	20	21	18	33	28	22	25	18	3	.	.	268
Maryland	.	14	44	38	73	50	34	.	.	15	6	.	.	.	.	274
Massachusetts**	.	.	6	11	22	23	14	15	20	36	18	18	6	.	.	189
Michigan	3	56	44	33	29	14	39	37	19	18	31	14	1	.	.	338
Mississippi	.	.	47	8	1	6	.	.	.	.	.	50	.	19	2	133
Missouri	.	.	19	27	5	38	16	7	22	16	8	47	9	.	.	214
Montana	.	.	33	51	16	12	.	.	42	32	13	52	25	5	.	281
Nebraska	24	16	40	29	40	29	44	57	43	53	36	62	79	2	.	554
Nevada*	.	.	22	11	6	6	5	13	6	18	11	15	23	1	.	137
New Hampshire	2	31	14	16	21	16	31	15	18	16	9	19	10	.	.	218
New Jersey	.	13	40	72	50	23	50	49	41	44	46	10	1	.	.	439
New Mexico	.	21	27	22	23	25	26	18	27	4	.	.	.	.	.	193
New York**	.	13	19	14	8	16	12	5	5	11	9	8	1	.	.	121
North Carolina* **	.	15	2	12	17	5	6	12	7	8	7	4	.	.	.	95
Ohio	.	29	88	25	.	.	.	58	51	38	28	24	.	.	.	341
Oklahoma	.	.	.	.	.	.	.	.	56	6	.	32	28	37	34	193
Oregon	.	.	.	17	19	10	13	21	31	19	4	20	8	.	.	162

Pennsylvania	.	42	20	31	41	53	23	31	25	29	38	40	2	.	.	375
Rhode Island	3	34	8	16	9	11	23	25	14	16	7	21	2	.	.	189
Texas	.	9	48	59	65	79	25	50	40	38	43	42	8	.	.	506
Utah	.	.	.	10	85	37	22	33	29	47	52	29	19	1	.	364
Vermont*	3	42	13	25	4	8	13	16	11	12	4	8	2	.	.	161
Washington	4	32	11	26	38	28	48	37	49	21	33	51	10	.	.	388
West Virginia	.	.	40	12	21	14	.	20	16	13	12	18	19	.	.	185
Wisconsin	.	.	12	39	4	13	17	8	28	5	46	5	16	.	.	193
Puerto Rico	.	.	12	28	20	26	36	36	34	30	36	16	64	40	.	378
37 Area***Total	98	587	778	881	955	834	771	803	844	778	727	863	373	105	36	9433

Notes

*States or area did not include children: Alabama, Florida, Iowa, Kansas, Louisiana, Nevada, North Carolina, Vermont

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

***California was excluded because of less than 6 months data

Table 3A.2 ACBS 2014 Completed Interviews by State/Territory and Month: Child Landline Sample

STATE	2014												2015			TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
California	6	6
Connecticut	.	4	1	.	3	2	1	4	5	5	1	3	3	.	.	32
District of Columbia	.	.	.	1	2	4	7	6	3	.	.	.	.	.	.	23
Georgia	6	4	6	10	10	9	6	8	7	1	.	2	.	.	.	69
Hawaii	.	2	1	.	3	1	2	.	2	2	1	.	.	.	.	14
Illinois	.	3	1	2	3	2	1	2	1	3	6	1	.	.	.	25
Indiana	.	3	5	3	3	4	5	5	6	3	10	4	1	.	.	52
Maine*	1	2	.	3	4	5	2	2	4	1	4	2	.	.	.	30
Maryland	.	1	5	12	16	10	14	15	11	3	4	.	.	.	.	91
Massachusetts*	1	3	2	1	5	3	.	1	1	.	.	17
Michigan	.	5	9	6	8	3	4	4	3	3	5	2	.	.	.	52
Mississippi	.	.	6	2	.	3	.	.	.	.	.	10	1	3	.	25
Missouri	.	.	2	5	1	9	7	3	4	1	.	.	.	.	.	32
Montana	.	.	1	9	5	.	.	.	2	.	3	5	.	.	.	25
Nebraska	3	2	.	.	1	2	7	5	8	17	8	6	20	2	.	81
New Hampshire	1	5	2	1	5	3	2	.	2	1	1	2	1	.	.	26
New Jersey	.	2	7	16	19	11	15	14	12	15	14	5	1	.	.	131
New Mexico	.	2	7	4	2	3	3	1	1	1	.	.	.	.	.	24
New York*	.	1	3	1	.	2	1	.	1	2	.	2	.	.	.	13
Ohio*	.	2	11	2	.	.	.	14	3	2	2	4	.	.	.	40
Oklahoma	3	3	.	.	3	8	7	24
Oregon	4	2	2	.	5	.	.	.	13
Pennsylvania	.	7	8	4	6	8	6	7	1	2	2	1	.	.	.	52
Rhode Island	1	4	3	2	2	2	4	6	3	2	.	1	.	.	.	30
Texas	.	.	15	5	3	11	5	5	7	.	4	5	1	.	.	61
Utah	25	3	13	4	2	10	11	12	6	.	.	86
Washington	.	4	3	6	4	2	2	6	2	5	2	6	1	.	.	43
West Virginia	.	.	7	2	4	2	2	4	2	.	.	3	2	.	.	28

Wisconsin	.	.	1	5	1	.	.	4	1	.	4	1	3	.	.	20
Puerto Rico	.	.	5	1	3	4	5	1	8	3	13	1	8	3	.	55
30 Area Total	12	53	109	102	134	108	116	125	111	90	95	84	52	16	13	1220

Notes

* States only include respondents in version 1 of the sample split: Maine, Massachusetts, New York, Ohio

Table 1B.1 ACBS 2014 Disposition Categories by State/Territory: Adult Landline and Cell Phone Sample

STATE	BRFSS Asthma	Ineligible Not Recruited		Recruited for call-back				Ineligible		Total Called	Eligible				Ineligible
				Refused		Agreed		Child selected	Never Called		COIN	ACBS TERE	Lost to follow-up		
				BRFSS	TERE								Contact	Technical	
Connecticut	1105	152	13.76%	306	27.69%	647	58.55%	20	0	626	298	21	275	24	8
District of Columbia	571	84	14.71%	150	26.27%	337	59.02%	13	16	307	158	11	125	7	6
Georgia	829	444	53.56%	74	8.93%	311	37.52%	37	2	272	188	6	74	4	0
Hawaii	1128	116	10.28%	350	31.03%	662	58.69%	25	21	612	294	43	268	6	1
Illinois	689	73	10.60%	137	19.88%	479	69.52%	16	20	443	285	11	139	7	1
Indiana	1548	127	8.20%	375	24.22%	1046	67.57%	30	0	1016	618	24	287	65	22
Iowa *	915	117	12.79%	244	26.67%	554	60.55%	0	0	553	352	26	145	25	5
Maine **	836	69	8.25%	197	23.56%	570	68.18%	17	0	553	373	7	138	27	8
Maryland	1556	555	35.67%	252	16.20%	749	48.14%	51	229	469	300	12	147	9	1
Michigan	1219	70	5.74%	371	30.43%	778	63.82%	23	9	746	547	58	127	3	11
Mississippi	486	37	7.61%	114	23.46%	335	68.93%	11	45	279	181	7	77	10	4
Missouri	946	90	9.51%	285	30.13%	571	60.36%	12	21	537	316	18	153	22	28
Montana	961	56	5.83%	307	31.95%	598	62.23%	15	22	561	343	20	168	21	9
Nebraska	2451	135	5.51%	739	30.15%	1577	64.34%	32	0	1545	960	92	435	38	20
Nevada *	492	58	11.79%	122	24.80%	312	63.41%	0	3	309	194	6	100	8	1
New Hampshire	891	67	7.52%	246	27.61%	578	64.87%	23	0	554	282	30	199	29	14
New Jersey	1567	247	15.76%	272	17.36%	1048	66.88%	69	0	979	570	29	362	18	0
New Mexico	1256	116	9.24%	314	25.00%	826	65.76%	19	237	570	346	31	169	22	2

New York **	445	50	11.24%	99	22.25%	296	66.52%	12	1	283	154	13	88	25	3
North Carolina* **	395	113	28.61%	0	0.00%	282	71.39%	0	0	282	156	25	97	3	1
Ohio	1473	120	8.15%	263	17.85%	1090	74.00%	30	289	771	451	23	271	26	0
Oklahoma	1180	98	8.31%	339	28.73%	743	62.97%	18	37	688	319	108	188	62	11
Oregon	805	219	27.20%	1	0.12%	585	72.67%	32	1	552	282	10	232	20	8
Pennsylvania	1491	174	11.67%	367	24.61%	950	63.72%	36	0	914	541	19	273	65	16
Rhode Island	956	127	13.28%	260	27.20%	569	59.52%	17	0	550	244	31	254	15	6
Texas	1925	273	14.18%	435	22.60%	1217	63.22%	27	1	1188	709	38	334	89	18
Utah	1970	123	6.24%	547	27.77%	1300	65.99%	50	1	1249	753	48	382	44	22
Vermont *	1010	98	9.70%	276	27.33%	636	62.97%	0	0	636	324	14	259	23	16
Washington	1493	135	9.04%	378	25.32%	980	65.64%	23	3	951	517	32	350	38	14
West Virginia	854	39	4.57%	255	29.86%	560	65.57%	20	46	494	286	27	151	11	19
Wisconsin	845	149	17.63%	137	16.21%	559	66.15%	14	63	482	306	46	112	15	3
Puerto Rico	1031	20	1.94%	120	11.64%	891	86.42%	40	48	803	549	12	190	41	11
32 Areas***Total	35319	4351	12.32%	8332	23.59%	22636	64.09%	732	1115	20774	12196	898	6569	822	289

Notes

*States did not include children: Iowa, Nevada, Vermont, North Carolina

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

*** California was excluded because of less than 6 months data

Table 1B.2 ACBS 2014 Disposition Categories by State/Territory: Child Landline and Cell Phone Sample

STATE	BRFSS Asthma	Ineligible Not Recruited		Recruited for call-back				Ineligible		Total Called	Eligible				Ineligible
				Refused BRFSS TERE		Agreed		Adult Selected	Never Called		COIN	ACBS TERE	Lost to follow-up		
				Contact	Technical										
Connecticut*	267	11	4.12%	78	29.21%	178	66.67%	0	0	149	53	4	82	7	3
District of Columbia*	106	5	4.72%	21	19.81%	80	75.47%	0	5	68	27	0	38	1	2
Georgia*	187	32	17.11%	22	11.76%	133	71.12%	0	0	130	93	4	29	3	1
Hawaii*	326	40	12.27%	103	31.60%	183	56.13%	0	6	116	40	10	65	1	0
Illinois*	153	25	16.34%	27	17.65%	101	66.01%	0	1	83	47	4	31	0	1
Indiana	336	43	12.80%	77	22.92%	216	64.29%	0	0	161	82	3	53	23	0

Kentucky**	369	2	0.54%	83	22.49%	284	76.96%	0	4	280	129	8	123	12	8
Maine* ***	148	13	8.78%	36	24.32%	99	66.89%	0	1	77	43	1	22	11	0
Maryland	439	96	21.87%	59	13.44%	284	64.69%	0	67	205	102	5	98	0	0
Michigan	255	5	1.96%	79	30.98%	171	67.06%	0	0	151	91	10	35	3	12
Mississippi*	140	24	17.14%	21	15.00%	95	67.86%	0	8	77	45	4	22	4	2
Missouri*	214	26	12.15%	52	24.30%	136	63.55%	0	39	69	41	3	19	4	2
Montana*	181	25	13.81%	47	25.97%	109	60.22%	0	8	82	42	4	32	2	2
Nebraska	396	43	10.86%	78	19.70%	275	69.44%	0	5	228	129	20	62	7	10
New Hampshire*	175	1	0.57%	45	25.71%	129	73.71%	0	0	100	36	9	48	3	4
New Jersey	449	68	15.14%	52	11.58%	329	73.27%	0	0	306	158	4	137	6	1
New Mexico*	287	32	11.15%	25	8.71%	230	80.14%	0	77	123	49	8	48	8	10
New York* ***	108	13	12.04%	20	18.52%	75	69.44%	0	0	62	24	1	30	7	0
Ohio***	221	25	11.31%	32	14.48%	164	74.21%	0	42	112	57	2	46	7	0
Oklahoma*	304	46	15.13%	48	15.79%	210	69.08%	0	25	148	52	21	61	13	1
Oregon*	128	20	15.63%	0	0.00%	108	84.38%	0	0	108	34	1	63	5	5
Pennsylvania	311	44	14.15%	56	18.01%	211	67.85%	0	0	164	77	2	69	15	1
Rhode Island*	213	10	4.69%	55	25.82%	148	69.48%	0	0	127	39	1	78	7	2
Texas	458	62	13.54%	98	21.40%	298	65.07%	0	0	245	119	7	91	23	5
Utah	549	52	9.47%	110	20.04%	387	70.49%	0	0	332	174	13	131	8	6
Washington*	247	6	2.43%	53	21.46%	188	76.11%	0	0	159	66	1	78	8	6
West Virginia*	187	28	14.97%	41	21.93%	118	63.10%	0	8	83	47	6	27	2	1
Wisconsin*	169	31	18.34%	29	17.16%	109	64.50%	0	9	80	37	8	30	2	3
Puerto Rico	346	38	10.98%	43	12.43%	265	76.59%	0	21	195	110	0	65	15	5
29 Area**** Total	7669	866	11.29%	1490	19.43%	5313	69.28%	0	326	4220	2043	164	1713	207	93
11 Weighted Areas Total	4095	485	11.84%	757	18.49%	2853	69.67%	0	97	2397	1264	76	893	115	49

Notes:

*Child data for, Connecticut, District of Columbia, Hawaii, Illinois, Maine, Mississippi, Missouri, Montana, New Hampshire, New Mexico, New York, Ohio, Oklahoma, Oregon, Rhode Island, Washington, West Virginia, Wisconsin were not included in the data file because there were too few records (<75) to produce reliable weights.

**State didn't include adult: Kentucky

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

***California was excluded because of less than 6 months data

Table 2B.1 ACBS 2014 Response Rates by State/Territory: Adult Landline and Cell Phone Sample

STATE	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
Connecticut	93.42%	47.60%	40.04%	36.48%
District of Columbia	93.49%	49.22%	40.55%	39.79%
Georgia	96.91%	70.15%	27.55%	64.75%
Hawaii	87.24%	42.73%	44.95%	33.62%
Illinois	96.28%	65.67%	27.44%	52.83%
Indiana	96.26%	60.65%	30.88%	47.82%
Iowa *	93.12%	56.59%	35.94%	46.85%
Maine **	98.16%	64.53%	28.76%	52.59%
Maryland	96.15%	53.19%	43.54%	49.47%
Michigan	90.41%	55.87%	39.52%	50.39%
Mississippi	96.28%	59.74%	33.67%	50.36%
Missouri	94.61%	50.80%	40.93%	42.69%
Montana	94.49%	50.89%	40.00%	41.96%
Nebraska	91.25%	53.54%	37.90%	43.78%
Nevada *	97.00%	60.25%	31.65%	47.97%
New Hampshire	90.38%	50.54%	37.82%	38.64%
New Jersey	95.16%	65.44%	26.88%	50.90%
New Mexico	91.78%	49.64%	43.84%	43.97%
New York **	92.22%	57.89%	32.28%	44.38%
North Carolina* **	86.19%	86.19%	10.32%	64.37%
Ohio	95.15%	61.19%	32.09%	50.61%
Oklahoma	74.71%	41.64%	47.22%	33.70%
Oregon	96.58%	96.25%	2.58%	66.15%
Pennsylvania	96.61%	58.30%	33.05%	46.33%
Rhode Island	88.73%	45.52%	40.97%	34.35%

Texas	94.91%	59.78%	31.98%	47.93%
Utah	94.01%	55.70%	35.20%	44.55%
Vermont *	95.86%	52.77%	35.16%	39.28%
Washington	94.17%	55.65%	33.51%	42.26%
West Virginia	91.37%	50.26%	41.23%	41.81%
Wisconsin	86.93%	62.58%	32.34%	54.07%
Puerto Rico	97.86%	80.62%	15.14%	62.99%
32 Area*** Total	93.14%	56.82%	34.99%	46.23%
32 Area*** Median	94.33%	56.23%	34.42%	46.59%

Notes

*States did not include children: Iowa, Nevada, Vermont, North Carolina

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

*** California was excluded because of less than 6 months data

Table 2B.2 ACBS 2014 Response Rates by State/Territory: Child Landline and Cell Phone Sample

STATE	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
Connecticut*	92.98%	39.26%	44.15%	28.54%
District of Columbia*	100.00%	56.25%	29.62%	38.09%
Georgia	95.88%	78.15%	18.27%	65.34%
Hawaii*	80.00%	26.14%	64.77%	22.93%
Illinois*	92.16%	60.26%	32.75%	49.66%
Indiana	96.47%	50.62%	40.55%	41.56%
Kentucky**	94.16%	58.64%	26.57%	37.67%
Maine* ***	97.73%	53.75%	37.61%	43.71%
Maryland	95.33%	61.45%	31.50%	50.20%
Michigan	90.10%	50.28%	42.83%	43.79%
Mississippi*	91.84%	64.29%	29.87%	53.76%
Missouri*	93.18%	42.71%	53.25%	39.70%

Montana*	91.30%	45.16%	46.94%	38.66%
Nebraska	86.58%	56.83%	36.53%	48.08%
New Hampshire*	80.00%	40.00%	45.36%	30.24%
New Jersey	97.53%	73.83%	18.35%	51.77%
New Mexico*	85.96%	59.76%	33.85%	50.26%
New York* ***	96.00%	53.33%	33.26%	38.01%
Ohio***	96.61%	62.64%	29.83%	50.00%
Oklahoma*	71.23%	42.98%	45.79%	34.51%
Oregon*	97.14%	97.14%	1.34%	45.54%
Pennsylvania	97.47%	57.04%	33.37%	44.30%
Rhode Island*	97.50%	41.05%	39.55%	27.55%
Texas	94.44%	53.13%	37.18%	42.14%
Utah	93.05%	58.59%	32.06%	45.35%
Washington*	98.51%	55.00%	31.15%	38.07%
West Virginia*	88.68%	50.00%	43.87%	43.87%
Wisconsin*	82.22%	48.68%	42.37%	42.37%
Puerto Rico	100.00%	71.90%	22.34%	57.15%
29 Area****Total	92.57%	0.5522	35.25%	43.54%
11 Weighted Area Median	94.89%	58.62%	31.78%	46.29%

Notes:

*Child data for Connecticut, District of Columbia, Hawaii, Illinois, Maine, Mississippi, Missouri, Montana, New Hampshire, New Mexico, New York, Ohio, Oklahoma, Oregon, Rhode Island, Washington, West Virginia, Wisconsin were not included in the data file because there were too few records (<75) to produce reliable weights.

**State didn't include adult: Kentucky

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

****California was excluded because of less than 6 months data

Table 3B.1 ACBS 2014 Completed Interviews by State/Territory and Month: Adult Landline and Cell Phone Sample

STATE	2014	2015
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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
California***	98	98
Connecticut	2	35	11	17	33	18	39	27	18	30	12	42	14	.	.	298
District of Columbia	.	.	1	18	18	31	35	35	20	.	.	.	.	.	.	158
Georgia	23	32	19	43	40	10	.	.	.	13	.	8	.	.	.	188
Hawaii	.	29	23	19	33	26	28	11	30	32	12	38	13	.	.	294
Illinois	.	21	18	30	23	21	29	18	18	21	49	14	23	.	.	285
Indiana	16	35	28	39	63	62	72	62	62	49	57	65	8	.	.	618
Iowa*	.	42	47	15	22	35	26	13	45	21	30	56	.	.	.	352
Maine**	10	39	24	34	35	33	32	41	39	31	29	22	4	.	.	373
Maryland	.	15	49	42	76	55	41	.	.	15	7	.	.	.	.	300
Michigan	3	77	65	54	42	44	73	49	34	37	39	29	1	.	.	547
Mississippi	.	.	76	16	2	8	.	.	.	.	.	50	.	26	3	181
Missouri	.	.	30	49	6	61	22	15	32	24	9	57	11	.	.	316
Montana	.	.	45	62	28	18	.	.	47	38	14	60	26	5	.	343
Nebraska	44	34	74	52	64	58	100	80	71	96	69	97	119	2	.	960
Nevada*	.	.	40	14	13	10	8	16	7	24	14	20	27	1	.	194
New Hampshire	2	56	16	18	27	21	36	18	19	18	10	28	13	.	.	282
New Jersey	.	16	54	95	64	28	70	59	51	57	62	13	1	.	.	570
New Mexico	.	36	53	45	47	41	36	27	50	11	.	.	.	.	.	346
New York**	.	17	26	15	10	22	15	7	8	13	10	9	2	.	.	154
North Carolina* **	.	17	11	19	18	11	13	18	14	13	13	8	1	.	.	156
Ohio	.	37	125	28	.	.	.	82	66	47	33	33	.	.	.	451
Oklahoma	.	.	.	.	.	.	.	.	83	12	.	32	53	73	66	319
Oregon	.	.	.	39	28	17	20	39	45	28	7	51	8	.	.	282
Pennsylvania	.	65	28	44	56	63	44	48	46	45	43	52	7	.	.	541
Rhode Island	4	46	11	19	9	15	35	29	17	19	10	28	2	.	.	244
Texas	.	16	76	79	81	96	44	64	57	66	61	59	10	.	.	709
Utah	.	.	.	17	216	38	126	116	54	53	78	34	20	1	.	753
Vermont*	4	59	22	41	20	19	35	33	26	25	9	16	15	.	.	324

Washington	5	54	16	38	53	37	66	48	59	29	38	62	12	.	.	517
West Virginia	.	.	46	22	29	14	10	26	31	21	23	31	33	.	.	286
Wisconsin	.	.	12	60	10	22	31	15	42	8	65	8	32	1	.	306
Puerto Rico	.	.	47	40	47	26	42	57	52	48	42	26	82	40	.	549
33 Area Total	113	778	1093	1123	1213	960	1128	1053	1143	944	845	1048	537	149	167	12294

Notes

*States did not include children: Iowa, Nevada, Vermont, North Carolina

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

*** California was exclude because of less than 6 months data

Table 3B.2 ACBS 2014 Completed Interviews by State/Territory and Month: Child Landline and Cell Phone Sample

STATE	2014												2015			TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
California	.	.	.	.	.	.	.	.	.	.	.	.	.	.	22	22
Connecticut	.	6	3	4	3	4	3	6	7	8	1	3	5	.	.	53
District of Columbia	.	.	.	1	2	5	8	6	5	.	.	.	.	.	.	27
Georgia*	9	10	7	11	11	10	8	9	12	4	.	2	.	.	.	93
Hawaii	.	6	5	2	8	5	2	1	4	4	2	1	.	.	.	40
Illinois	.	4	2	2	5	3	1	3	2	3	11	3	8	.	.	47
Indiana*	1	5	5	6	8	8	9	6	9	7	10	6	2	.	.	82
Kentucky*	3	8	12	14	13	16	19	11	4	5	12	10	2	.	.	129
Maine**	1	2	.	8	5	5	3	5	5	2	5	2	.	.	.	43
Maryland*	.	2	6	14	17	10	15	17	13	3	5	.	.	.	.	102
Michigan*	.	15	13	7	11	4	8	8	6	8	6	5	.	.	.	91
Mississippi	.	.	13	4	.	3	.	.	.	.	.	17	1	6	1	45
Missouri	.	.	2	8	2	10	8	5	5	1	.	.	.	.	.	41
Montana	.	.	3	13	8	3	.	.	2	1	3	9	.	.	.	42
Nebraska*	3	2	3	.	3	3	10	7	17	24	14	12	29	2	.	129
New Hampshire	3	8	2	1	6	3	3	1	3	2	1	2	1	.	.	36

New Jersey*	.	2	8	21	21	13	17	16	13	23	17	6	1	.	.	158
New Mexico	.	3	13	8	2	3	8	3	4	5	.	.	.	.	.	49
New York**	.	3	4	2	1	3	2	.	3	2	1	3	.	.	.	24
Ohio**	.	3	16	5	.	.	.	16	6	4	3	4	.	.	.	57
Oklahoma	.	.	.	.	.	.	.	.	5	3	.	1	11	16	16	52
Oregon	.	.	.	.	.	.	.	6	8	3	1	16	.	.	.	34
Pennsylvania*	.	9	12	8	7	11	7	9	2	4	5	1	2	.	.	77
Rhode Island	1	5	5	4	3	2	5	6	5	2	.	1	.	.	.	39
Texas*	.	.	24	12	5	14	15	12	15	7	4	9	2	.	.	119
Utah*	.	.	.	6	53	3	38	22	4	15	14	12	7	.	.	174
Washington	2	7	4	7	6	6	5	7	4	8	2	6	2	.	.	66
West Virginia	.	.	9	3	6	5	2	7	2	2	4	3	4	.	.	47
Wisconsin	.	.	1	7	1	1	2	6	4	2	7	1	5	.	.	37
Puerto Rico*	.	.	10	11	8	13	7	10	13	3	13	6	13	3	.	110
30 Area Total	23	100	182	189	215	166	205	205	182	155	141	141	95	27	39	2065
11 Weighted Area Total	16	53	100	110	157	105	153	127	108	103	100	69	58	5		1264

Notes

* States have more than 75 children complete and weighted

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

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
<u>2112</u>	<u>220</u>	Refused to begin the ACBS interview after contacted
<u>2120</u>	<u>210</u>	Terminated within the questionnaire (before section 9 of the ACBS interview)
<u>2211</u>	<u>211</u>	Refused to allow combining ACBS responses with BRFSS responses
<u>2212</u>	<u>212</u>	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
<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	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 health, 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.