



2013

Behavioral Risk Factor Surveillance System

Asthma Call-Back Survey

Summary Data Quality Report



**National
Asthma
Control
Program**

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

Introduction

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

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

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

Disposition Codes

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

The ACBS 4-digit disposition codes for 2013 are:

I. Eligible, contacted: complete interview

- 1100 Complete
- 1200 Partial complete (through the end of section 8)

II. Eligible, contacted: refusal or termination

- 4413** Refused to participate in the call-back during the BRFSS interview
- 2112** Refused to begin the ACBS interview after contacted
- 2120** Terminated within the questionnaire during the ACBS interview (before Section 9)
- 2211** Refused to allow combining ACBS responses with BRFSS responses
- 2212** Refused to answer the "ever had asthma" question during the ACBS interview

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

- 2111 Hang up or termination before respondent contacted. Household contacted but ACBS respondent not contacted
- 2210 Selected respondent never reached or reached but did not begin interview during interviewing period. Selected respondent away from residence during the entire interviewing period.
- 2220 Telephone answering device, message confirming private residential status.
Telecommunication technological barrier, message confirming private residential status
- 2320 Selected respondent physically or mentally unable to complete an interview during the entire interviewing period
- 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
<u>9999</u>	Missing disposition code

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

<u>2290</u>	Most knowledgeable person is not parent or guardian
<u>2291</u>	No parent or legal guardian in the household (child ineligible)
<u>4480</u>	Not recruited for call-back at BRFSS interview (excluded by state)
<u>4490</u>	Random child/adult selection: adult ineligible, child selected
<u>4491</u>	Random child/adult selection: child ineligible, adult selected
<u>4405</u>	Out-of-state when ACBS records are not transferred to state of residence
<u>4700</u>	Household, no eligible respondent (respondent does not have asthma)
<u>4411</u>	Selected respondent not eligible for follow-up
<u>4412</u>	Transferred from BRFSS but not attempted (excluded by state)
<u>4471</u>	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.

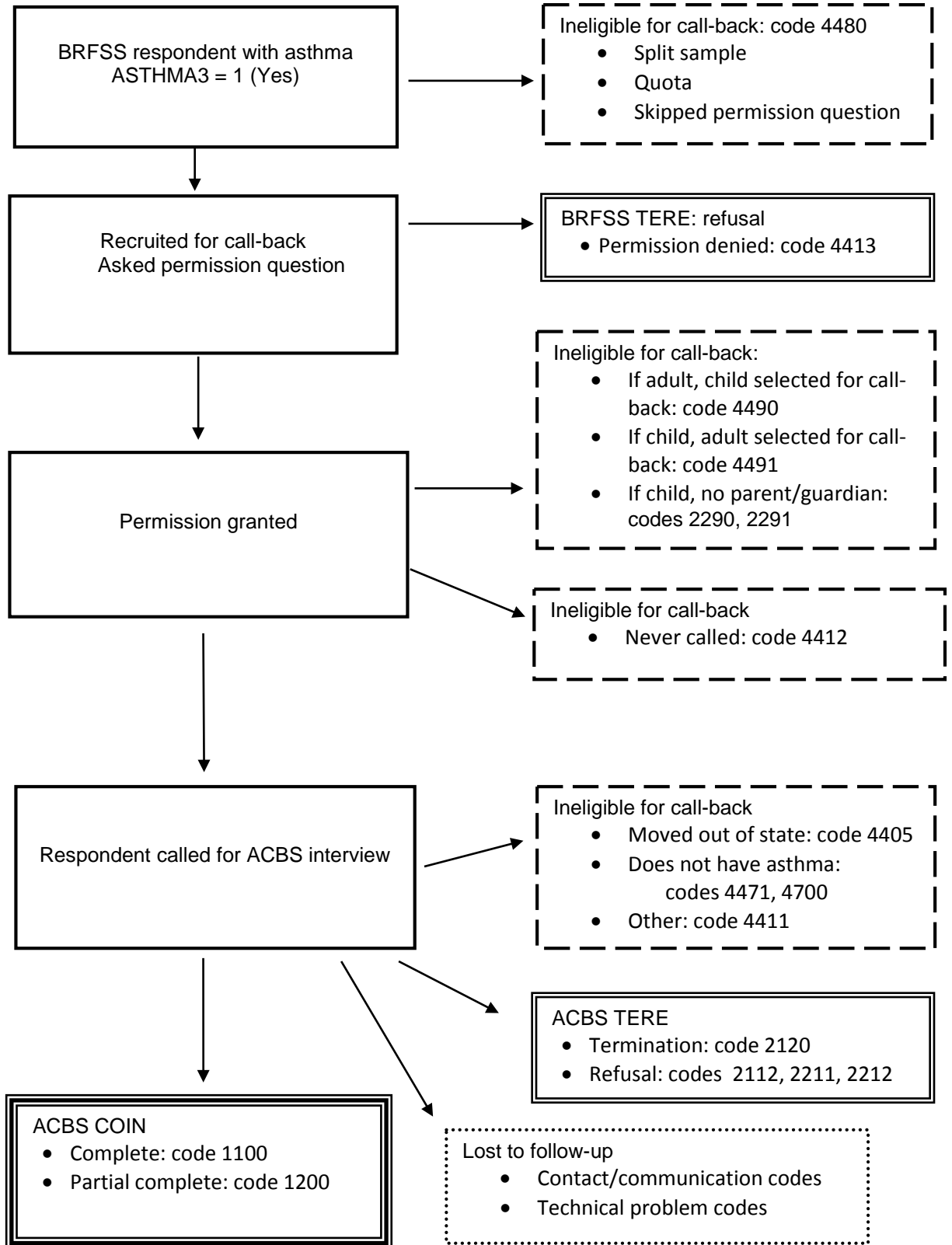
BRFSS respondents with asthma who are asked to participate in the ACBS but are later classified as ineligible include:

- 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 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

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

State	BRFSS asthma	Ineligible Not recruited		Recruited for call-back				Ineligible		Eligible			Lost to follow-up		Ineligible
				Refused BRFSS TERE		Agreed		Child Selected	Never Called	Total Called	COIN	ACBS TERE	Contact	Technical	
Alabama*	676	200	0.2959	117	0.1731	359	0.5311	1	63	295	170	295	170	16	107
Arizona	390	47	0.1205	109	0.2795	234	0.6000	7	1	225	135	225	135	13	62
California	1035	344	0.3324	235	0.2271	456	0.4406	19	0	437	264	437	264	24	90
Connecticut	887	86	0.0970	214	0.2413	587	0.6618	17	1	566	313	566	313	25	205
Florida*	3715	448	0.1206	693	0.1865	2574	0.6929	0	772	1796	1000	1796	1000	29	592
Georgia	733	104	0.1419	178	0.2428	451	0.6153	21	58	372	190	372	190	9	157
Hawaii	619	37	0.0598	260	0.4200	322	0.5202	10	16	296	179	296	179	5	99
Indiana	1072	90	0.0840	272	0.2537	710	0.6623	15	0	695	426	695	426	16	201
Iowa*	620	77	0.1242	153	0.2468	390	0.6290	0	1	389	282	389	282	12	71
Kansas	1906	99	0.0519	454	0.2382	1353	0.7099	41	131	1181	816	1181	816	62	272
Kentucky*	1196	112	0.0936	272	0.2274	812	0.6789	0	0	812	417	812	417	19	321
Louisiana	508	28	0.0551	124	0.2441	356	0.7008	5	1	350	182	350	182	19	125
Maine**	545	25	0.0459	100	0.1835	420	0.7706	11	0	409	290	409	290	5	95
Maryland	1411	131	0.0928	342	0.2424	938	0.6648	31	254	653	303	653	303	15	307
Massachusetts	2001	1392	0.6957	160	0.0800	449	0.2244	5	52	392	186	392	186	10	175
Michigan	1270	73	0.0575	419	0.3299	778	0.6126	21	0	757	583	757	583	44	107
Mississippi	657	48	0.0731	141	0.2146	468	0.7123	13	50	405	274	405	274	13	102
Missouri	719	36	0.0501	200	0.2782	483	0.6718	11	31	441	276	441	276	15	107
Montana	838	43	0.0513	238	0.2840	557	0.6647	16	3	538	352	538	352	13	137
Nebraska	1310	335	0.2557	289	0.2206	686	0.5237	11	138	537	364	537	364	34	122
Nevada*	448	37	0.0826	131	0.2924	280	0.6250	0	5	275	158	275	158	14	79
New Hampshire	727	46	0.0633	201	0.2765	480	0.6602	8	0	471	289	471	289	22	136
New Jersey	1314	164	0.1248	314	0.2390	836	0.6362	38	0	798	335	798	335	14	418
New Mexico	828	79	0.0954	197	0.2379	552	0.6667	12	67	473	304	473	304	22	124
New York**	481	54	0.1123	98	0.2037	329	0.6840	10	20	299	149	299	149	3	124
North Carolina* **	386	113	0.2927	62	0.1606	211	0.5466	0	3	208	148	208	148	10	45
Ohio	1148	250	0.2178	234	0.2038	664	0.5784	19	48	597	320	597	320	10	244
Oklahoma	790	52	0.0658	210	0.2658	528	0.6684	11	39	478	318	478	318	45	103
Oregon	691	100	0.1447	186	0.2692	405	0.5861	4	18	383	241	383	241	10	116
Pennsylvania	1052	258	0.2452	229	0.2177	565	0.5371	19	0	546	341	546	341	8	160
Rhode Island	772	113	0.1464	194	0.2513	465	0.6023	19	2	444	244	444	244	20	155
Texas	925	95	0.1027	242	0.2616	588	0.6357	16	0	572	306	572	306	21	197
Utah	1092	102	0.0934	295	0.2701	695	0.6364	22	1	671	446	671	446	17	152
Vermont	706	45	0.0637	207	0.2932	454	0.6431	16	0	436	264	436	264	21	123
Washington	1226	259	0.2113	244	0.1990	723	0.5897	31	2	689	403	689	403	26	225
West Virginia	514	7	0.0136	122	0.2374	385	0.7490	15	138	232	148	232	148	12	51
Wisconsin	568	111	0.1954	90	0.1585	367	0.6461	6	4	357	232	357	232	32	62
Puerto Rico*	538	5	0.0093	93	0.1729	440	0.8178	0	13	427	314	5	70	28	10

											Eligible				
			Recruited for call-back				Ineligible		Lost to follow-up						
State	BRFSS asthma	Ineligible Not recruited		Refused BRFSS TERE		Agreed		Child Selected	Never Called	Total Called	COIN	ACBS TERE	Contact	Technical	Ineligible
38 AREA*** TOTAL	36314	5645	0.1554	8319	0.2291	22350	0.6155	501	1932	19902	11962	710	6038	905	287

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

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

State	BRFSS asthma	Ineligible Not recruited		Recruited for call-back				Ineligible		Eligible			Lost to follow-up		Ineligible
				Refused BRFSS TERE		Agreed		Child Selected	Never Called	Total Called	COIN	ACBS TERE	Contact	Technical	
Arizona**	70	0	0.0000	18	0.2571	52	0.7429	9	2	41	20	1	16	1	3
California	230	58	0.2522	53	0.2304	119	0.5174	24	0	95	42	6	33	11	3
Connecticut	220	3	0.0136	52	0.2364	165	0.7500	23	5	137	70	1	58	5	3
District of Columbia**	101	5	0.0495	22	0.2178	74	0.7327	0	31	43	23	0	15	2	3
Georgia	196	12	0.0612	34	0.1735	150	0.7653	19	15	116	48	0	66	2	0
Hawaii	138	10	0.0725	47	0.3406	81	0.5870	23	3	55	21	0	33	1	0
Indiana	192	25	0.1302	43	0.2240	124	0.6458	32	0	92	47	1	39	5	0
Kansas** ***	435	34	0.0782	79	0.1816	322	0.7402	51	38	233	136	6	80	7	4
Louisiana **	127	29	0.2283	21	0.1654	77	0.6063	8	0	68	26	4	32	6	0
Maine* **	95	11	0.1158	12	0.1263	72	0.7579	10	0	62	43	0	15	4	0
Maryland	388	11	0.0284	84	0.2165	293	0.7552	27	84	182	64	3	102	13	0
Massachusetts* **	136	52	0.3824	20	0.1471	64	0.4706	10	13	41	17	0	19	4	1
Michigan	243	3	0.0123	70	0.2881	170	0.6996	29	0	141	97	8	16	1	19
Mississippi	149	26	0.1745	19	0.1275	104	0.6980	13	10	81	51	3	19	4	4
Missouri	115	15	0.1304	17	0.1478	83	0.7217	17	9	57	32	0	18	6	1
Montana	158	18	0.1139	22	0.1392	118	0.7468	22	10	86	56	3	21	4	2
Nebraska	255	68	0.2667	42	0.1647	145	0.5686	19	20	106	74	0	25	3	4
New Hampshire	130	0	0.0000	36	0.2769	94	0.7231	21	0	73	38	1	33	1	0
New Jersey	361	11	0.0305	77	0.2133	273	0.7562	47	0	226	72	3	146	5	0
New Mexico	150	31	0.2067	8	0.0533	111	0.7400	20	18	73	27	7	27	5	7
New York*	121	9	0.0744	20	0.1653	92	0.7603	21	10	61	28	1	28	3	1
Ohio*	177	23	0.1299	29	0.1638	125	0.7062	17	5	103	48	1	51	3	0
Oklahoma	173	33	0.1908	26	0.1503	114	0.6590	15	10	89	43	6	32	8	0
Oregon	74	7	0.0946	17	0.2297	50	0.6757	18	3	29	15	0	8	2	4
Pennsylvania	222	60	0.2703	33	0.1486	129	0.5811	23	0	106	59	0	39	7	1
Rhode Island **	169	9	0.0533	41	0.2426	119	0.7041	19	4	96	41	1	46	4	4
Texas	213	34	0.1596	32	0.1502	147	0.6901	22	0	125	60	2	48	15	0
Utah	301	37	0.1229	66	0.2193	198	0.6578	41	2	154	94	9	31	16	4
Vermont	143	1	0.0070	32	0.2238	110	0.7692	12	1	97	46	3	42	3	3
Washington	203	0	0.0000	47	0.2315	156	0.7685	23	4	129	63	6	52	5	3
West Virginia	116	15	0.1293	13	0.1121	88	0.7586	6	3	79	45	4	16	7	7
Wisconsin	100	13	0.1300	10	0.1000	77	0.7700	11	1	65	38	4	16	5	2
32 AREA TOTAL	5901	663	0.1124	1142	0.1935	4096	0.6941	652	301	3141	1584	84	1222	168	83

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

**States collected landline sample 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	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
Alabama	0.914	0.5574	0.3827	0.4892
Arizona	0.9122	0.5233	0.3961	0.4383
California	0.9167	0.5038	0.4466	0.4552
Connecticut	0.926	0.565	0.3322	0.435
Florida	0.9718	0.5757	0.3515	0.4869
Georgia	0.9548	0.504	0.4003	0.4067
Hawaii	0.9728	0.4022	0.5024	0.3394
Indiana	0.9638	0.5908	0.3176	0.4698
Iowa	0.9592	0.6267	0.319	0.5453
Kansas	0.9294	0.6099	0.3304	0.5225
Kentucky	0.9564	0.589	0.2981	0.4271
Louisiana	0.9055	0.5549	0.3248	0.4133
Maine	0.9831	0.7323	0.2145	0.5924
Maryland	0.9528	0.4591	0.4434	0.3763
Massachusetts	0.949	0.5225	0.4481	0.4903
Michigan	0.9298	0.5558	0.4037	0.5083
Mississippi	0.9547	0.6357	0.3023	0.5379
Missouri	0.9485	0.5565	0.3661	0.47
Montana	0.9644	0.5818	0.3353	0.4703
Nebraska	0.9146	0.5291	0.4314	0.4862
Nevada	0.9186	0.518	0.3805	0.4146
New Hampshire	0.9293	0.5634	0.3467	0.4494
New Jersey	0.9599	0.5053	0.3462	0.3536
New Mexico	0.9325	0.5736	0.357	0.4956
New York	0.9803	0.5843	0.2966	0.4375
North Carolina	0.9367	0.6697	0.2917	0.5997
Ohio	0.9697	0.5674	0.3485	0.457
Oklahoma	0.876	0.5511	0.3853	0.4805
Oregon	0.9602	0.549	0.3766	0.4631
Pennsylvania	0.9771	0.5879	0.3475	0.5
Rhode Island	0.9242	0.5328	0.3762	0.4289
Texas	0.9358	0.5368	0.3562	0.4145
Utah	0.9633	0.5876	0.339	0.4845
Vermont	0.9263	0.5344	0.3773	0.4369
Washington	0.9394	0.5979	0.3317	0.495
West Virginia	0.925	0.5211	0.4278	0.4725
Wisconsin	0.8788	0.6535	0.2979	0.5666
Puerto Rico	0.94395	0.7621	0.1952	0.6254

38 AREA* TOTAL	0.944	0.5675	0.3585	0.475
38 AREA MEDIAN	0.941675	0.5604	0.35	0.47015

Note: * District of Columbia was excluded because of less than 6 months data

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

State	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
Arizona**	0.9524	0.5128	0.3862	0.4065
California	0.875	0.4158	0.5048	0.3593
Connecticut	0.9859	0.5691	0.32	0.4227
District of Columbia**	1	0.5111	0.4288	0.4483
Georgia	1	0.5854	0.2913	0.4112
Hawaii	1	0.3088	0.5837	0.2608
Indiana	0.9792	0.5165	0.396	0.423
Kansas** ***	0.9577	0.6154	0.3184	0.5095
Louisiana **	0.8667	0.5098	0.3652	0.3798
Maine **	1	0.7818	0.1771	0.6345
Maryland	0.9552	0.4238	0.4537	0.3337
Massachusetts **	1	0.4595	0.4854	0.4126
Michigan	0.9238	0.5543	0.4184	0.5203
Mississippi	0.9444	0.6986	0.26	0.6028
Missouri	1	0.6531	0.2863	0.5389
Montana	0.9492	0.6914	0.2651	0.5939
Nebraska	1	0.6379	0.3302	0.5818
New Hampshire	0.9744	0.5067	0.3811	0.3913
New Jersey	0.96	0.4737	0.3373	0.3036
New Mexico	0.7941	0.587	0.2891	0.5203
New York	0.9655	0.5714	0.3396	0.4528
Ohio	0.9796	0.6154	0.2826	0.4522
Oklahoma	0.8776	0.5733	0.3429	0.4608
Oregon	1	0.4688	0.4831	0.4262
Pennsylvania	1	0.6413	0.2974	0.5316
Rhode Island **	0.9762	0.494	0.3821	0.373
Texas	0.9677	0.6383	0.2675	0.4721
Utah	0.9126	0.5562	0.3838	0.481
Vermont	0.9388	0.561	0.3059	0.4021
Washington	0.913	0.5431	0.3403	0.4046
West Virginia	0.9184	0.7258	0.2234	0.5914
Wisconsin	0.9048	0.7308	0.2161	0.5866

32 AREA TOTAL	0.9496	0.5627	0.3503	0.4526
32 AREA MEDIAN	0.96275	0.56505	0.33845	0.45025

Notes

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

***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

	2013												2014				
State	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
39 AREA TOTAL	8	675	900	776	675	632	1201	1587	1246	1254	1039	1201	520	127	67	80	11988
38 AREA* TOTAL	8	656	893	776	675	632	1201	1587	1246	1254	1039	1201	520	127	67	80	11962

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

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

State	2013												2014				Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
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	1584

Note:

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

**States collected landline sample 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 1B.1 ACBS 2013 Disposition Categories by State/Territory: Adult Landline and Cell Phone Sample

State	BRFSS asthma	Ineligible Not recruited		Recruited for call-back				Ineligible		Eligible			Lost to follow-up		Ineligible
				Refused BRFSS TERE		Agreed		Child Selected	Never Called	Total Called	COIN	ACBS TERE	Contact	Technical	
California	1773	698	0.3937	349	0.1968	726	0.4095	26	0	700	384	38	186	60	32
Connecticut	1258	175	0.1391	284	0.2258	799	0.6351	26	61	709	373	29	274	23	10
Georgia	1108	211	0.1904	246	0.2220	651	0.5875	26	121	504	240	10	231	23	0
Hawaii	1241	121	0.0975	447	0.3602	673	0.5423	38	40	595	307	36	231	16	5
Indiana	1485	185	0.1246	340	0.2290	960	0.6465	25	0	935	558	18	287	60	12
Iowa*	895	132	0.1475	201	0.2246	562	0.6279	0	1	561	370	20	141	25	5
Maryland	1684	209	0.1241	387	0.2298	1088	0.6461	37	255	796	362	21	378	35	0
Michigan	1963	159	0.0810	595	0.3031	1209	0.6159	41	0	1168	848	97	187	22	14
Mississippi	917	77	0.0840	186	0.2028	654	0.7132	20	64	570	352	20	165	28	5
Missouri	1007	104	0.1033	260	0.2582	643	0.6385	15	33	595	353	21	165	32	24
Montana	1242	84	0.0676	348	0.2802	810	0.6522	24	3	783	469	26	240	44	4
Nebraska	1843	530	0.2876	371	0.2013	942	0.5111	15	223	704	463	43	175	21	2
Nevada*	657	79	0.1202	173	0.2633	405	0.6164	0	15	390	212	18	127	29	4
New Hampshire	995	91	0.0915	252	0.2533	652	0.6553	14	0	637	365	29	210	26	7
New Jersey	1872	310	0.1656	416	0.2222	1146	0.6122	52	0	1094	441	17	596	39	1
New Mexico	1356	151	0.1114	303	0.2235	902	0.6652	32	120	750	445	37	228	30	10
New York**	631	77	0.1220	132	0.2092	422	0.6688	11	20	391	183	4	167	33	4
North Carolina* **	503	135	0.2684	85	0.1690	283	0.5626	0	3	280	176	14	76	11	3
Ohio	1635	423	0.2587	311	0.1902	901	0.5511	27	64	810	419	15	339	36	1
Oklahoma	1157	113	0.0977	282	0.2437	762	0.6586	18	173	571	368	51	134	17	1
Oregon	1057	241	0.2280	245	0.2318	571	0.5402	6	48	517	303	13	180	13	8
Pennsylvania	1534	422	0.2751	306	0.1995	806	0.5254	30	0	776	453	12	248	52	11
Texas	1425	273	0.1916	332	0.2330	820	0.5754	21	0	799	407	24	293	60	15
Utah	1759	191	0.1086	440	0.2501	1128	0.6413	43	2	1082	659	26	305	89	3
Vermont	967	93	0.0962	258	0.2668	616	0.6370	24	1	589	332	24	194	26	13
Washington	1697	411	0.2422	319	0.1880	967	0.5698	46	2	918	519	31	310	35	23
West Virginia	774	32	0.0413	168	0.2171	574	0.7416	21	158	395	228	18	121	18	10
Wisconsin	874	196	0.2243	129	0.1476	549	0.6281	16	5	528	341	47	97	30	13
Puerto Rico*	1034	20	0.0193	163	0.1576	851	0.8230	0	44	807	526	23	184	63	11

Notes:

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

**New York only includes respondents in version 1 of the sample split

**North Carolina only includes respondents in version 1 of the sample split

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

State	BRFSS asthma	Ineligible Not recruited		Recruited for call-back				Ineligible		Eligible			Lost to follow-up		
				Refused BRFSS TERE		Agreed		Child Selected	Never Called	Total Called	COIN	ACBS TERE	Contact	Technical	Ineligible
California*	361	82	0.2271	88	0.2438	191	0.5291	37	0	154	58	8	63	17	8
Connecticut	308	5	0.0162	74	0.2403	229	0.7435	31	10	187	84	2	89	8	4
Georgia*	299	18	0.0602	58	0.1940	223	0.7458	26	40	157	60	0	93	4	0
Hawaii*	367	42	0.1144	97	0.2643	228	0.6213	50	11	167	62	16	88	1	0
Indiana	282	37	0.1312	59	0.2092	186	0.6596	45	0	141	77	1	54	8	1
Maryland*	464	13	0.0280	106	0.2284	345	0.7435	37	85	223	70	3	136	14	0
Michigan	406	8	0.0197	117	0.2882	281	0.6921	40	0	241	140	22	42	3	34
Mississippi	261	37	0.1418	37	0.1418	187	0.7165	24	16	147	79	5	48	10	5
Missouri*	166	18	0.1084	26	0.1566	122	0.7349	24	10	88	47	1	32	7	1
Montana	256	29	0.1133	39	0.1523	188	0.7344	39	10	139	81	4	45	7	2
Nebraska	398	125	0.3141	64	0.1608	209	0.5251	25	40	144	93	2	40	3	6
New Hampshire*	175	0	0.0000	44	0.2514	131	0.7486	30	0	101	49	2	49	1	0
New Jersey	490	24	0.0490	102	0.2082	364	0.7429	62	0	302	87	3	202	10	0
New Mexico*	316	51	0.1614	21	0.0665	244	0.7722	36	39	169	70	16	60	6	17
New York* **	160	14	0.0875	25	0.1563	121	0.7563	26	10	85	37	1	39	6	2
Ohio**	262	40	0.1527	40	0.1527	182	0.6947	23	8	151	61	1	85	4	0
Oklahoma*	306	42	0.1373	41	0.1340	223	0.7288	25	53	145	65	13	58	9	0
Oregon*	113	12	0.1062	23	0.2035	78	0.6903	25	8	45	24	0	14	2	5
Pennsylvania*	332	96	0.2892	45	0.1355	191	0.5753	40	0	151	74	1	60	14	2
Texas	353	63	0.1785	63	0.1785	227	0.6431	33	0	194	91	6	79	18	0
Utah	483	69	0.1429	102	0.2112	312	0.6460	60	2	249	144	15	63	22	5
Vermont*	187	2	0.0107	38	0.2032	147	0.7861	20	3	124	53	4	59	4	4
Washington	278	0	0.0000	61	0.2194	217	0.7806	34	5	178	80	7	78	9	4
West Virginia*	178	19	0.1067	24	0.1348	135	0.7584	13	5	117	63	7	29	10	8
Wisconsin*	145	17	0.1172	18	0.1241	110	0.7586	21	1	88	53	5	21	7	2
25 AREA TOTAL	7346	863	0.1175	1412	0.1922	5071	0.6903	826	356	3887	1802	145	1626	204	110
10 WEIGHTED AREA TOTAL	3515	397	0.1129	718	0.2043	2400	0.6828	393	83	1922	956	67	740	98	61

Note:

* 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	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
California	91.0%	49.7%	45.1%	44.7%
Connecticut	92.8%	54.2%	36.2%	43.1%
Georgia	96.0%	48.4%	42.6%	40.0%
Hawaii	89.5%	38.7%	51.1%	32.5%
Indiana	96.9%	60.4%	30.7%	47.8%
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%
Nevada	92.2%	52.4%	37.3%	41.4%
New Hampshire	92.6%	56.4%	33.8%	44.0%
New Jersey	96.3%	50.5%	35.3%	35.9%
New Mexico	92.3%	56.2%	36.1%	47.3%
New York	97.9%	56.3%	30.6%	41.2%
North Carolina	92.6%	63.5%	30.5%	54.2%
Ohio	96.5%	56.2%	35.6%	45.7%
Oklahoma	87.8%	52.2%	42.2%	46.7%
Oregon	95.9%	53.8%	39.1%	45.9%
Pennsylvania	97.4%	58.6%	34.5%	49.2%
Texas	94.4%	53.2%	36.8%	42.0%
Utah	96.2%	58.5%	32.9%	46.5%
Vermont	93.3%	53.9%	36.3%	42.8%
Washington	94.4%	59.7%	33.2%	49.3%
West Virginia	92.7%	54.8%	38.2%	46.8%
Wisconsin	87.9%	65.8%	29.5%	57.1%
Puerto Rico	95.8%	73.9%	20.0%	56.6%

29 AREA TOTAL	93.6%	55.5%	36.4%	45.8%
29 AREA MEDIAN	94.4%	55.2%	36.1%	46.0%

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

State	Completion Rate	Cooperation Rate	Refusal Rate	CASRO Rate
California*	0.8788	0.3766	0.5293	0.3198
Connecticut	0.9767	0.525	0.3424	0.3784
Georgia*	1	0.5085	0.3661	0.3787
Hawaii*	0.7949	0.3543	0.5296	0.2906
Indiana	0.9872	0.562	0.3592	0.461
Maryland*	0.9589	0.3911	0.4705	0.3022
Michigan	0.8642	0.5018	0.45	0.4533
Mississippi	0.9405	0.6529	0.2793	0.5254
Missouri*	0.9792	0.6351	0.2918	0.5079
Montana	0.9529	0.6532	0.2852	0.5372
Nebraska	0.9789	0.5849	0.3814	0.5375
New Hampshire*	0.9608	0.5158	0.3637	0.3874
New Jersey	0.9667	0.4531	0.3495	0.2896
New Mexico*	0.814	0.625	0.2808	0.5312
New York*	0.9737	0.5873	0.3171	0.4512
Ohio*	0.9839	0.598	0.2857	0.4251
Oklahoma*	0.8333	0.5462	0.3714	0.4471
Oregon*	1	0.5106	0.4407	0.4599
Pennsylvania*	0.9867	0.6167	0.3149	0.5067
Texas	0.9381	0.5688	0.3305	0.4359
Utah	0.9057	0.5517	0.3807	0.4685
Vermont*	0.9298	0.5521	0.3071	0.3876
Washington	0.9195	0.5405	0.3297	0.3879
West Virginia*	0.9	0.6702	0.2633	0.5351
Wisconsin*	0.9138	0.6974	0.2489	0.5736

25 AREA TOTAL	0.9255	0.5355	0.3682	0.4262
10 WEIGHTED AREA MEDIAN	0.9393	0.5504	0.3544	0.4459

Note: *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

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

State	2013												2014			Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
California	.	.	.	.	.	.	132	132	59	58	3	.	.	.	.	384
Connecticut	64	25	39	20	21	47	58	26	33	14	14	12	.	.	.	373
Georgia	28	37	27	30	16	29	22	15	19	17	.	.	.	.	.	240
Hawaii	47	44	8	47	24	21	23	20	19	21	26	7	.	.	.	307
Indiana	62	82	35	41	49	44	41	50	36	58	58	2	.	.	.	558
Iowa	27	39	23	12	33	38	30	30	8	30	88	12	.	.	.	370
Maryland	44	35	33	19	33	38	40	27	32	22	26	13	.	.	.	362
Michigan	73	81	94	72	40	87	80	42	59	92	84	40	4	.	.	848
Mississippi	.	78	53	9	27	20	31	32	24	10	53	15	.	.	.	352
Missouri	.	25	93	38	18	16	43	12	24	11	60	13	.	.	.	353
Montana	55	41	50	41	33	13	42	35	47	42	35	35	.	.	.	469
Nebraska	.	.	.	.	.	.	68	123	96	99	61	16	.	.	.	463
Nevada	.	.	.	51	17	34	11	26	1	18	17	37	.	.	.	212
New Hampshire	44	38	18	19	20	31	55	30	43	21	41	5	.	.	.	365
New Jersey	.	14	59	38	40	43	60	47	38	60	38	4	.	.	.	441
New Mexico	.	49	47	50	43	10	47	41	63	48	43	4	.	.	.	445
New York	37	22	11	9	14	10	17	7	15	18	19	4	.	.	.	183
North Carolina	14	29	8	.	3	26	31	14	12	18	7	14	.	.	.	176
Ohio	42	70	20	.	.	75	37	35	53	54	26	7	.	.	.	419
Oklahoma	.	.	.	77	.	59	66	22	60	39	.	.	.	.	45	368
Oregon	33	21	.	.	.	108	51	28	23	28	11	.	.	.	.	303
Pennsylvania	48	82	6	.	27	49	42	36	45	47	63	8	.	.	.	453
Texas	48	52	31	31	33	32	26	27	36	39	45	7	.	.	.	407
Utah	.	.	.	.	.	.	.	119	148	5	93	126	87	46	35	659
Vermont	45	35	17	19	26	41	32	18	31	18	38	12	.	.	.	332
Washington	.	.	.	.	62	137	55	60	75	39	63	28	.	.	.	519
West Virginia	32	36	21	33	10	10	.	23	31	5	5	22	.	.	.	228
Wisconsin	.	.	.	.	.	.	.	1	9	23	8	151	149	.	.	341
Puerto Rico	.	.	.	.	.	197	135	57	23	26	58	27	3	.	.	526

29 AREA TOTAL	743	935	693	656	589	1215	1275	1135	1162	980	1083	621	243	46	80	11456

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

State	2013												2014			Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
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	.	.	.	.	.	.	.	.	.	.	44	62	22	12	4	144
Vermont*	8	10	3	2	3	5	8	3	4	3	2	2	.	.	.	53
Washington	.	.	.	.	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	1802
10 WEIGHTED AREA TOTAL	45	78	55	45	65	88	67	70	85	89	129	101	23	12	4	956

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

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

5050	505	Refusal: hang-up, unknown if housing unit
5100	510	Call-back appointment
5111	505	Refusal: household level refusal
5112	505	Refusal: respondent refusal, hang-up, or termination
5120	505	Refusal: hang-up or termination before starting section 9
5130	550	No answer
5140	535	Answering machine, unknown if private residence
5220	525	Answering machine, message confirming residential status
5320	520	Physical or mental impairment
5330	515	Language problem
5550	555	Busy
5560	N/A	Unsafe location for interview

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

3150	350	Telecommunication technological barrier, unknown if private residence
3700	370	On never call list

4200	430	Dedicated fax/data/modem line with no human contact
4300	355	Telephone number no longer in service or changed
4300	450	Non-working/disconnected number
4400	365	Busy
4400	440	Fast busy
4430	N/A	Call forwarding/pager
4450	435	Cellular telephone
4460	N/A	Cell phone number connects to landline
4470	N/A	Landline number connects to cell phone
4500	420	Not a private residence
4510	420	Not a private residence

5150	540	Technological barrier other than answering machine, unknown if private residence
5200	560	Fax/data/modem
5300	545	Phone number temporarily out of service
5300	570	Possible non-working number

5400	530	Technological barrier other than answering machine, message confirming residential status
5550	555	Busy
5599	599	Mistaken Ctrl-end
5700	580	Requires supervisor attention
5900	585	Null attempt
<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 select

<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

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.