



**2022**

**Behavioral Risk Factor Surveillance System**

**Asthma Call-back Survey**

**Summary Data Quality Report**



**National  
Asthma  
Control  
Program**

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Hailay Desta Teklehaimanot, MD, MSc, DSc  
Branch Chief  
Asthma and Air Quality Branch  
Division of Environmental Health Science and Practice  
National Center for Environmental Health  
Centers for Disease Control and Prevention  
4770 Buford Hwy, NE  
Mailstop S106-6  
Atlanta, GA 30341 USA

E-mail: [urr6@cdc.gov](mailto:urr6@cdc.gov)

Machell G. Town, PhD  
Branch Chief  
Population Health Surveillance Branch  
Division of Population Health  
National Center for Chronic Disease Prevention and Health Promotion  
Centers for Disease Control and Prevention  
4770 Buford Hwy, NE  
Mailstop S107-6  
Atlanta, GA 30341 USA

Phone: (770) 488-4681  
E-mail: [mpt2@cdc.gov](mailto:mpt2@cdc.gov)

## 2022 Asthma Call-back Survey (ACBS) Summary Data Quality Report

### Introduction

Procedures for interview disposition and response rates for the Behavioral Risk Factor Surveillance System (BRFSS) Asthma Call-back Survey (ACBS) follow the 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 1 is a flow chart that describes the eligibility paths BRFSS respondents with asthma follow through the ACBS process.

Because asthma characteristics vary by season, a seasonal analysis must consider 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 has less than 6 complete months of child or adult data, the data from that state are not considered sufficiently comparable with the data from other states and are excluded from the public release file and the response rate calculations. If a state has fewer than seventy-five (75) complete child interviews, reliable weights cannot be calculated and the child data from that state are excluded from the public release file. Also, if a state has fewer than two hundred (200) complete adult interviews, reliable weights cannot be calculated and the adult data for that state are excluded from the public release file.

Appendix A presents tables showing disposition code categories, response rates, and completed interviews by month for each state participating in the ACBS each year. Appendix B provides additional instructions on assigning the ACBS-specific disposition codes. Appendix C presents the ACBS nonresponse bias analysis plan and supporting tables showing demographic breakout and prevalence for each state. Details on BRFSS response rates and procedures can be found in the BRFSS Summary Data Quality Report for each survey year at [CDC - BRFSS Annual Survey Data](#).

### 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 to the ACBS are underlined and bolded. There are no equivalent BRFSS codes for ACBS-specific codes. Detailed descriptions of the ACBS codes can be found in Appendix B.

The ACBS 4-digit disposition codes for 2022 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 Landline sample number connects to cell phone.
- 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.
- 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 (Medication Section).

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 have been ineligible.

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 include respondents in the call-back only 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:

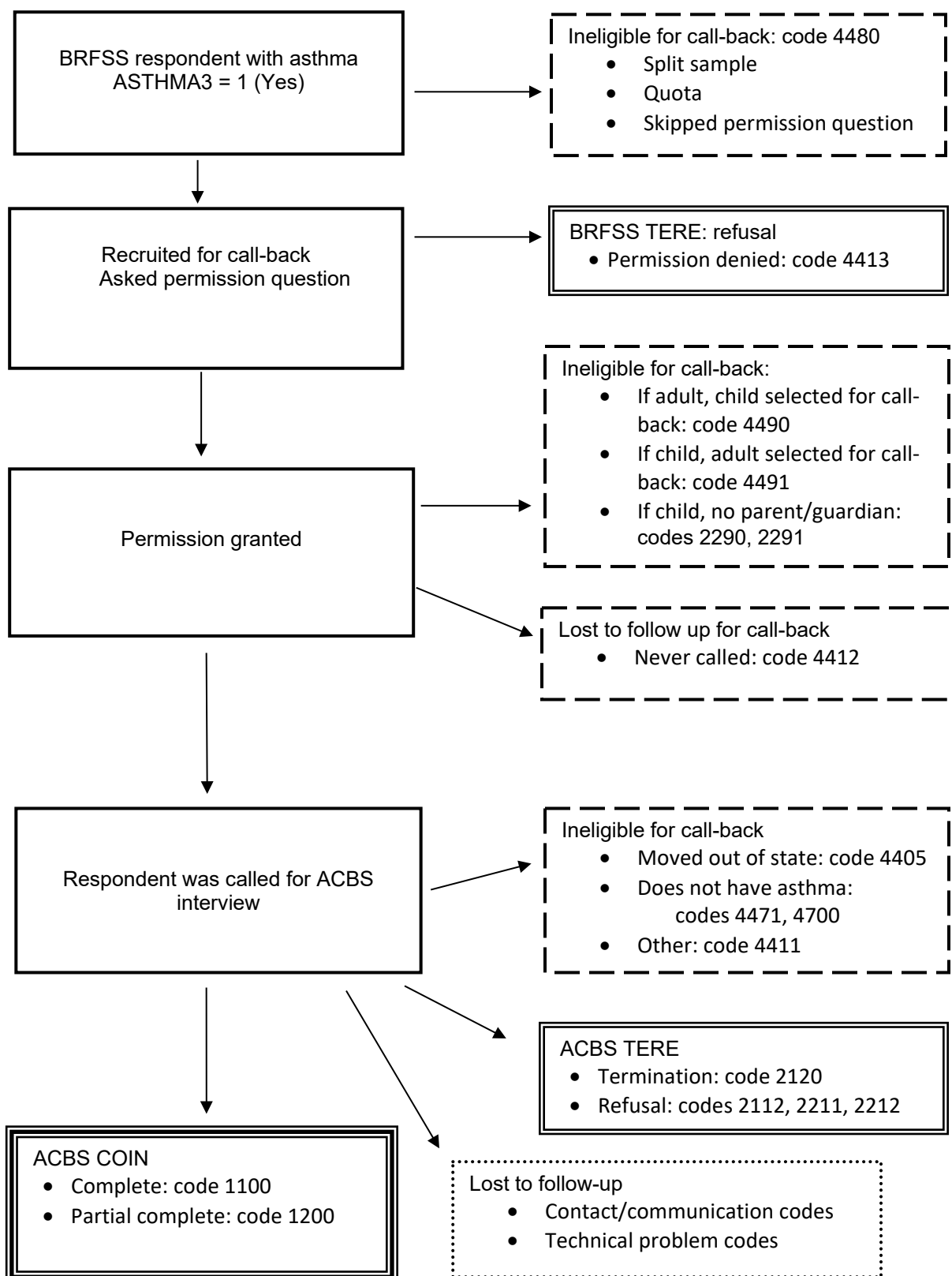
- Respondents in households where both the selected adult and selected child in the household have asthma. When both have asthma, only one is eligible for the ACBS.
- Respondents who move out-of-state between the BRFSS interview and the ACBS interview in states that are not transferring ACBS interview data 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):

Table 1: Disposition Code Categories

Category	Disposition Codes	Notes
Eligible COIN Completed interview	1100, 1200	Through section 8
Eligible TERE Terminations and refusals	<b><u>4413</u></b>	At BRFSS interview
	<b><u>2112, 2120, 2211, 2212,</u></b>	At ACBS
Eligible, lost to follow-up Not interviewed	2111, 2210, 2220, 2320, 2330, 3100, 3130, 3140, 3200, 3322, 3330, 4100, 4900, <b><u>4306,</u></b> 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, <b><u>9999</u></b>	Technical problems
Ineligible	<b><u>2290, 2291, 4480, 4490, 4491</u></b>	At BRFSS interview
	<b><u>4405, 4700, 4411, 4471</u></b>	At ACBS
	<b><u>4412</u></b>	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 contacted for and started the ACBS interview. Those who refuse at the initial BRFSS interview (4413), are ineligible, and those never contacted are excluded from the denominator. This rate is based on actual contacts with the eligible respondents 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 refused or terminated 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 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 consists of 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 sixty-five percent (65%) may indicate some problem with interviewing techniques.

The Refusal Rate is the percentage of all eligible respondents who 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 thirty-five percent (35%) 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 forty percent (40%) should be cause for a review of data collection practices that could affect it, especially sample management and interviewer recruitment, retention, training, supervision, and monitoring.

ACBS response rate formulae are specified below. ACBS response rate tables, including response rates for each state/area participating in the ACBS, can be found in Appendix A. Details on ACBS-specific disposition codes can be found in Appendix B.

## Response Rate Formulae for the ACBS

### ACBS Interview Completion Rate:

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

### ACBS Cooperation Rate:

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

### ACBS CASRO Rate:

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

### ACBS Refusal Rate:

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

Where:

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

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

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

## ACBS Nonresponse Bias

The ACBS uses post-stratification weighting to ensure the sample conforms to the state estimated asthma population with respect to geography, age, sex, race, ethnicity, and other characteristics. Nonresponse bias, however, cannot be completely removed. In order to communicate the potential impact of nonresponse bias on the ACBS analysis results, in Appendix C two groups of tables are being provided (see Appendix C). The first group of tables presents ACBS unweighted frequencies for respondents, non-respondents, and BRFSS-eligible asthma respondents by age, sex, and race/ethnicity demographic categories for each state. The second group of tables report current asthma prevalence (Appendix C). ACBS respondents are those respondents who completed or partially completed the interview. Nonresponse for the ACBS is influenced by eligible BRFSS respondents for which no interview was conducted such as: (1) refusals, terminations, and non-consent; (2) lost to follow-up due to non-contact or communication; and (3) lost to follow-up due to technological circumstances. BRFSS-eligible respondents are individuals on the BRFSS survey who answered, “Yes” to the question, “Has a doctor, nurse, or other health professional EVER told you that you had asthma?” A respondent is classified as current prevalence if he or she also responded “Yes” to the question: “Do you still have asthma?”

## **Appendix A:**

### **List of Tables in the 2022 BRFSS ACBS Summary Data Quality Report**

#### **Landline and Cell Phone Samples**

Table 1.1 ACBS 2022 Disposition Categories by State/Territory: Adult Landline and Cell Phone Sample

Table 1.2 ACBS 2022 Disposition Categories by State/Territory: Child Landline and Cell Phone Sample

Table 2.1 ACBS 2022 Response Rates by State/Territory: Adult Landline and Cell Phone Sample

Table 2.2 ACBS 2022 Response Rates by State/Territory: Child Landline and Cell Phone Sample

Table 3.1 ACBS 2022 Completed Interviews by State/Territory and Month: Adult Landline and Cell Phone Sample

Table 3.2 ACBS 2022 Completed Interviews by State/Territory and Month: Child Landline and Cell Phone Sample

#### **Note:**

In this document, the term "state" is used to refer to all areas participating in the ACBS

Table 1.1 ACBS 2022 Disposition Categories by State/Territory: Adult Landline Cell Phone 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	
Arizona	1511	353	23.36%	330	21.84%	828	54.80%	0	0	828	501	48	244	35	0
California	1522	421	27.66%	248	16.29%	853	56.04%	0	16	837	500	59	251	27	0
Connecticut	1600	442	27.63%	49	3.06%	1109	69.31%	0	31	1078	734	173	163	2	6
Florida	1660	466	28.07%	98	5.90%	1096	66.02%	0	10	1086	706	172	197	1	9
Georgia	1279	351	27.44%	95	7.43%	833	65.13%	0	5	828	525	101	184	7	11
Hawaii	1191	147	12.34%	363	30.48%	681	57.18%	0	33	648	312	14	317	2	3
Indiana	1557	354	22.74%	121	7.77%	1082	69.49%	0	17	1065	675	158	217	10	5
Iowa	1084	125	11.53%	367	33.86%	592	54.61%	0	1	591	381	26	175	7	1
Kansas	1531	124	8.10%	342	22.34%	1065	69.56%	0	319	746	336	20	363	17	10
Maine	1675	64	3.82%	500	29.85%	1111	66.33%	0	80	1031	469	33	487	32	10
Maryland	2393	1439	60.13%	75	3.13%	879	36.73%	0	59	820	575	123	112	1	9
Massachusetts	1680	129	7.68%	567	33.75%	984	58.57%	0	116	868	444	24	346	46	8
Michigan	1476	341	23.10%	71	4.81%	1064	72.09%	0	11	1053	720	159	159	3	12
Minnesota	2234	581	26.01%	358	16.03%	1295	57.97%	0	28	1267	755	63	383	66	0
Missouri	1016	59	5.81%	250	24.61%	707	69.59%	0	42	665	337	18	284	22	4
Montana	981	76	7.75%	235	23.96%	670	68.30%	0	40	630	198	26	366	27	12
Nebraska	798	97	12.16%	224	28.07%	477	59.77%	0	17	460	207	29	205	10	9
New Hampshire	1028	183	17.80%	68	6.61%	777	75.58%	0	2	775	522	123	124	1	5
New Jersey	1006	278	27.63%	53	5.27%	675	67.10%	0	7	668	467	89	110	0	2
New Mexico	664	83	12.50%	185	27.86%	396	59.64%	0	10	386	202	29	131	11	13
New York*	1662	907	54.57%	52	3.13%	703	42.30%	0	8	695	484	117	84	3	7
Ohio	2125	700	32.94%	385	18.12%	1040	48.94%	0	89	951	583	52	267	49	0
Oregon	914	47	5.14%	260	28.45%	607	66.41%	0	210	397	203	15	164	11	4
Rhode Island	993	487	49.04%	47	4.73%	459	46.22%	0	12	447	332	42	66	1	6
Texas	1815	339	18.68%	304	16.75%	1172	64.57%	0	33	1139	440	148	510	39	2
Utah	1508	286	18.97%	384	25.46%	838	55.57%	0	94	744	466	22	241	9	5
Vermont	1469	365	24.85%	75	5.11%	1029	70.05%	0	10	1019	743	154	114	2	6
Wisconsin	1643	459	27.94%	255	15.52%	929	56.54%	0	9	920	566	28	298	28	0
Puerto Rico	889	20	2.25%	134	15.07%	735	82.68%	0	33	702	398	18	203	44	39
<b>Total</b>	<b>40904</b>	<b>9723</b>	<b>23.77%</b>	<b>6495</b>	<b>15.88%</b>	<b>24686</b>	<b>60.35%</b>	<b>0</b>	<b>1342</b>	<b>23344</b>	<b>13781</b>	<b>2083</b>	<b>6765</b>	<b>513</b>	<b>198</b>

**Notes:**

\*States only included in version 1 and 3 of sample split: New York

Not included in public release: Illinois, Kentucky, Mississippi, Nevada, and Pennsylvania

Table 1.2 ACBS 2022 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	Child Selected	Never Called	COIN	ACBS TERE	Lost to Follow-up						
									Contact		Technical				
<b>States included in public release file because of more than 75 completes</b>															
Connecticut	283	35	12.37%	13	4.59%	235	83.04%	0	2	233	123	53	53	1	2
Florida	176	11	6.25%	12	6.82%	153	86.93%	0	0	153	75	29	31	0	1
Georgia	198	14	7.07%	7	3.54%	177	89.39%	0	0	177	92	43	41	0	0
Indiana	230	35	15.22%	17	7.39%	178	77.39%	0	0	178	89	28	59	1	1
Michigan	185	13	7.03%	6	3.24%	166	89.73%	0	0	166	80	34	39	2	1
Texas	341	13	3.81%	43	12.61%	285	83.58%	0	0	285	128	36	114	7	0
Utah	261	44	16.86%	58	22.22%	159	60.92%	0	2	157	77	9	55	1	0
Vermont	189	21	11.11%	9	4.76%	159	84.13%	0	2	157	97	30	29	0	0
<b>States excluded from public release file because of less than 75 completes</b>															
California	194	37	19.07%	33	17.01%	124	63.92%	0	12	112	39	7	34	2	0
Hawaii	207	37	17.87%	50	24.15%	120	57.97%	0	0	120	38	3	58	0	1
Illinois	78	9	11.54%	10	12.82%	59	75.64%	0	0	59	24	8	21	0	2
Kansas	258	31	12.02%	50	19.38%	177	68.60%	0	55	122	34	1	79	3	0
Kentucky	78	20	25.64%	6	7.69%	27	34.62%	0	3	24	6	0	8	1	0
Maine	157	0	0.00%	36	22.93%	121	77.07%	0	19	100	34	2	60	3	1
Maryland	373	199	53.35%	12	3.22%	162	43.43%	0	14	148	73	32	37	1	0
Massachusetts	175	5	2.86%	51	29.14%	119	68.00%	0	14	105	45	4	45	5	6
Minnesota	276	41	14.86%	47	17.03%	188	68.12%	0	0	188	68	18	55	6	0
Missouri	166	15	9.04%	37	22.29%	114	68.67%	0	0	114	49	6	51	3	0
Montana	143	16	11.19%	25	17.48%	102	71.33%	0	0	102	26	8	43	5	1
Nebraska	118	14	11.86%	20	16.95%	84	71.19%	0	0	84	28	6	41	4	2
New Hampshire	62	9	14.52%	6	9.68%	47	75.81%	0	1	46	26	4	11	0	0
New Jersey	141	4	2.84%	8	5.67%	129	91.49%	0	0	129	74	21	31	0	2
New Mexico	101	25	24.75%	6	5.94%	70	69.31%	0	1	69	21	7	27	0	0
New York*	126	4	3.17%	5	3.97%	117	92.86%	0	0	117	49	27	39	0	2
Ohio	239	57	23.85%	46	19.25%	136	56.90%	0	10	126	54	13	30	2	0
Pennsylvania	116	13	11.21%	26	22.41%	77	66.38%	0	40	37	11	0	19	0	0
Rhode Island	126	36	28.57%	9	7.14%	81	64.29%	0	1	80	36	14	29	0	1
Wisconsin	180	34	18.89%	37	20.56%	109	60.56%	0	0	109	43	3	33	2	0
Puerto Rico	200	13	6.50%	23	11.50%	164	82.00%	0	0	164	74	12	20	12	3
<b>State Total</b>	<b>5377</b>	<b>805</b>	<b>14.97%</b>	<b>708</b>	<b>13.17%</b>	<b>3839</b>	<b>71.40%</b>	<b>0</b>	<b>176</b>	<b>3661</b>	<b>1613</b>	<b>458</b>	<b>1192</b>	<b>61</b>	<b>26</b>

**Note:**

States that did not collect child data: Arizona, Iowa, Mississippi, Nevada, and Oregon

\*State only included in version 1 of sample split for children: New York

**Table 2.1 ACBS 2022 Response Rates by State/Territory: Adult Landline and Cell Phone Sample**

STATE	COMPLETION RATE	COOPERATION RATE	REFUSAL RATE	CASRO RATE
Arizona	91.26%	57.00%	36.04%	47.77%
California	89.45%	61.96%	31.88%	51.92%
Connecticut	80.93%	76.14%	20.87%	68.99%
Florida	80.41%	72.11%	24.45%	63.94%
Georgia	83.87%	72.61%	23.29%	62.40%
Hawaii	95.71%	45.28%	42.20%	34.93%
Indiana	81.03%	70.53%	25.13%	60.79%
Iowa	93.61%	49.16%	43.02%	41.71%
Kansas	94.38%	48.00%	41.84%	38.83%
Maine	93.34%	46.76%	38.09%	33.52%
Maryland	82.38%	74.29%	24.48%	71.10%
Massachusetts	94.87%	42.90%	45.83%	34.43%
Michigan	81.91%	75.71%	21.61%	67.63%
Minnesota	92.30%	64.20%	29.37%	52.67%
Missouri	94.93%	55.70%	31.86%	40.06%
Montana	88.39%	43.04%	36.77%	27.90%
Nebraska	87.71%	44.81%	42.07%	34.42%
New Hampshire	80.93%	73.11%	23.59%	64.48%
New Jersey	83.99%	75.44%	20.83%	68.52%
New Mexico	87.45%	48.44%	41.69%	39.35%
New York*	80.53%	73.56%	24.59%	70.42%
Ohio	91.81%	57.16%	37.64%	50.22%
Oregon	93.12%	42.29%	49.31%	36.40%
Rhode Island	88.77%	78.49%	19.80%	73.86%
Texas	74.83%	48.46%	36.82%	35.84%
Utah	95.49%	53.44%	40.11%	46.03%
Vermont	82.83%	76.44%	21.74%	70.53%
Wisconsin	95.29%	66.67%	27.44%	54.88%
Puerto Rico	95.67%	72.36%	20.21%	52.91%
<b>TOTAL</b>	<b>88.47%</b>	<b>59.34%</b>	<b>31.81%</b>	<b>51.60%</b>

**Notes:**

\*States only included in version 1 and 3 of sample split: New York

Not included in public release: Illinois, Kentucky, Mississippi, Nevada, and Pennsylvania

<b>Table 2.2 ACBS 2022 Response Rates by State/Territory: Child Landline and Cell Phone Sample</b>				
<b>State</b>	<b>Completion Rate</b>	<b>Cooperation Rate</b>	<b>Refusal Rate</b>	<b>Casro Rate</b>
<b>States included in public release file because of more than 75 completes</b>				
Connecticut	70.06%	64.92%	28.18%	52.93%
Florida	72.38%	64.41%	28.98%	53.72%
Georgia	68.38%	64.58%	27.75%	51.62%
Indiana	76.07%	65.93%	25.02%	49.48%
Michigan	70.18%	66.67%	26.00%	51.99%
Texas	78.05%	58.99%	24.76%	40.11%
Utah	89.53%	53.47%	37.90%	43.56%
Vermont	76.56%	71.53%	24.14%	60.65%
<b>States excluded from public release file because of less than 75 completes</b>				
California	84.78%	49.37%	43.36%	42.28%
Hawaii	92.68%	41.76%	46.08%	33.04%
Illinois	75.00%	57.14%	31.97%	42.63%
Kansas	97.14%	40.00%	47.32%	31.55%
Kentucky	100.00%	50.00%	44.71%	44.71%
Maine	94.44%	47.22%	34.20%	30.60%
Maryland	69.81%	61.16%	33.72%	56.72%
Massachusetts	91.84%	45.00%	41.32%	33.81%
Minnesota	79.07%	51.13%	39.58%	41.41%
Missouri	89.09%	53.26%	32.67%	37.23%
Montana	76.47%	44.07%	39.69%	31.27%
Nebraska	82.35%	51.85%	31.38%	33.79%
New Hampshire	87.10%	72.97%	22.43%	60.57%
New Mexico	75.00%	61.76%	28.81%	46.54%
New Jersey	78.13%	69.44%	21.78%	56.32%
New York*	64.47%	55.68%	27.32%	41.83%
Ohio	80.60%	47.79%	46.71%	42.75%
Pennsylvania	100.00%	29.73%	65.09%	27.54%
Rhode Island	72.00%	60.00%	30.47%	47.70%
Wisconsin	93.48%	51.81%	40.85%	43.92%
Puerto Rico	86.05%	67.89%	27.35%	57.82%
<b>Total</b>	<b>81.75%</b>	<b>55.84%</b>	<b>34.47%</b>	<b>44.42%</b>

**Notes:**

States that did not collect child data: Arizona, Iowa, Mississippi, Nevada, and Oregon

\*State only included in version 1 of sample split for children: New York





Table 3.1 ACBS 2022 Completed Interviews by State/Territory and Month: Adult Landline and Cell Phone Sample

STATE	2022												2023					TOTAL
	2022JAN	2022FEB	2022MAR	2022APR	2022MAY	2022JUN	2022JUL	2022AUG	2022SEP	2022OCT	2022NOV	2022DEC	2023JAN	2023FEB	2023MAR	2023NOV	2023DEC	
Arizona	6	33	43	37	76	46	24	72	57	28	36	1	43	.	.	.	.	502
California	.	.	.	.	.	12	85	89	73	37	44	62	98	.	.	.	.	500
Conneticut	.	113	56	7	.	.	.	29	32	96	163	168	70	.	.	.	.	734
Florida	.	34	145	47	80	56	4	.	28	25	160	127	1	.	.	.	.	707
Georgia	.	73	62	42	56	19	54	42	32	37	50	41	17	.	.	.	.	525
Hawaii	.	18	55	15	21	25	21	10	27	33	25	27	31	5	.	.	.	313
Indiana	60	53	82	50	50	62	62	85	69	24	29	17	33	.	.	.	.	676
Iowa	28	26	36	46	41	36	37	15	31	42	32	11	.	.	.	.	.	381
Kansas	.	31	37	36	24	61	12	.	.	.	46	.	47	43	.	.	.	337
Maine	.	88	31	35	39	31	26	31	39	35	51	60	3	.	.	.	.	469
Maryland	.	37	31	7	.	.	47	84	75	88	47	73	86	.	.	.	.	575
Massachusetts	30	39	39	32	32	39	27	29	16	29	49	63	20	.	.	.	1	445
Michigan	.	88	82	90	89	67	47	50	42	54	32	43	39	.	.	.	.	723
Minnesota	2	34	41	48	77	67	76	102	42	66	53	147	.	.	.	.	.	755
Missouri	.	.	20	26	16	44	12	56	12	54	35	38	25	1	.	.	.	339
Montana	.	.	.	.	56	26	5	.	53	.	.	.	.	.	.	58	.	198
Nebraska	.	.	.	2	10	65	13	26	22	11	.	24	2	12	20	.	.	207
New Hampshire	29	48	41	45	32	35	49	48	31	28	18	86	32	.	.	.	.	522
New Jersey	.	23	62	30	47	59	42	20	32	48	49	49	6	.	.	.	.	467
New Mexico	.	.	.	28	15	21	17	23	17	21	23	11	1	25	.	.	.	202
New York*	54	75	35	14	29	28	19	13	31	79	50	48	9	.	.	.	.	484
Ohio	.	39	56	40	52	63	58	89	75	62	50	.	.	.	.	.	.	584
Oregon	19	25	17	28	29	30	3	10	15	22	4	1	.	.	.	.	.	203
Rhode Island	17	52	42	37	47	34	40	46	15	2	.	.	.	.	.	.	.	332
Texas	62	18	58	24	31	23	18	43	40	26	8	59	31	.	.	.	.	441
Utah	.	16	41	57	39	33	45	48	20	42	32	33	27	34	.	.	.	467
Vermont	40	39	54	85	46	53	62	72	68	58	72	65	30	.	.	.	.	744
Wisconsin	1	15	12	25	58	49	83	60	29	57	63	9	105	.	.	.	.	566
Puerto Rico	.	.	.	.	.	.	3	68	43	44	25	.	3	121	91	.	.	398
<b>STATE TOTAL RELEASE</b>	<b>348</b>	<b>1017</b>	<b>1178</b>	<b>933</b>	<b>1092</b>	<b>1084</b>	<b>991</b>	<b>1260</b>	<b>1066</b>	<b>1148</b>	<b>1246</b>	<b>1263</b>	<b>759</b>	<b>241</b>	<b>111</b>	<b>58</b>	<b>1</b>	<b>13796</b>

**Notes:**

\*States only included in version 1 and 3 of sample split: New York

Not included in public release: Illinois, Kentucky, Mississippi, Nevada, and Pennsylvania

Table 3.2 ACBS 2022 Completed Interviews by State/Territory and Month: Child Landline and Cell Phone Sample

STATE	2022												2023			TOTAL
	2022JAN	2022FEB	2022MAR	2022APR	2022MAY	2022JUN	2022JUL	2022AUG	2022SEP	2022OCT	2022NOV	2022DEC	2023JAN	2023FEB	2023MAR	
States included in public release file because of having more than 75 completes																
Connecticut	.	24	15	.	.	.	.	6	2	9	27	28	12	.	.	123
Florida	.	1	17	4	7	6	2	.	1	1	20	14	2	.	.	75
Georgia	.	14	10	5	9	4	8	5	9	9	6	10	3	.	.	92
Indiana	7	8	13	5	7	5	6	11	6	4	4	3	10	.	.	89
Michigan	.	8	6	11	8	8	9	7	3	8	.	7	5	.	.	80
Texas	11	2	8	2	5	2	19	13	21	6	9	26	4	.	.	128
Utah	.	3	5	7	6	5	6	5	2	7	4	4	4	15	4	77
Vermont	6	9	9	15	8	9	7	8	5	4	6	6	5	.	.	97
States excluded from public release file because of having less than 75 completes																
California	.	.	.	.	.	.	6	8	4	2	1	6	12	.	.	39
Hawaii	.	3	4	1	3	4	2	2	3	2	5	4	5	.	.	38
Illinois	.	.	1	6	7	1	3	1	3	.	2	.	.	.	.	24
Kansas	.	2	2	8	3	5	1	.	.	.	4	.	4	5	.	34
Kentucky	1	1	.	.	.	.	1	2	.	.	1	.	.	.	.	6
Maine	.	5	4	1	.	3	2	2	3	5	5	4	.	.	.	34
Maryland	7	7	3	1	.	.	16	5	11	9	5	9	.	.	.	73
Massachusetts	2	3	4	.	5	2	2	3	8	1	5	9	1	.	.	45
Minnesota	.	1	2	6	6	5	3	17	2	8	2	16	.	.	.	68
Missouri	.	.	1	5	2	9	2	9	1	2	12	5	1	.	.	49
Montana	2	1	4	5	3	1	2	1	3	.	3	1	.	.	.	26
Nebraska	.	.	.	5	2	5	2	2	1	1	1	1	.	2	6	28
New Hampshire	2	2	.	.	2	4	5	4	2	1	1	1	2	.	.	26
New Jersey	.	3	11	2	9	7	7	6	5	12	8	4	.	.	.	74
New Mexico	.	.	.	6	2	1	.	.	2	2	2	3	3	.	.	21
New York*	5	4	2	1	6	3	2	3	3	6	6	6	2	.	.	49
Ohio	.	3	2	5	4	5	4	8	10	7	6	.	.	.	.	54
Pennsylvania	.	.	2	1	1	2	3	.	.	.	1	1	.	.	.	11
Rhode Island	2	3	5	2	7	5	3	3	5	1	.	.	.	.	.	36
Wisconsin	1	.	2	3	2	1	8	4	1	7	6	.	8	.	.	43
Puerto Rico	10	2	.	2	13	6	10	14	2	7	2	6	.	.	.	74
<b>STATE TOTAL RELEASE</b>	<b>56</b>	<b>109</b>	<b>132</b>	<b>109</b>	<b>127</b>	<b>108</b>	<b>141</b>	<b>149</b>	<b>118</b>	<b>121</b>	<b>154</b>	<b>174</b>	<b>83</b>	<b>22</b>	<b>10</b>	<b>1613</b>

**Note:**

States that did not collect child data: Arizona, Iowa, Mississippi, Nevada, and Oregon

\*State only included in version 1 of sample split: New York

## Appendix B: 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 Survey Data Quality Report for each survey year [CDC - BRFSS Annual Survey Data](#).

### 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 or termination

**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 4413.

**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 2112.

**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 2120.

**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 2211.

**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 2212.

### 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 4306.

Refer to the Annual Survey Data and Documentation for each survey year for the definitions of all other codes in this category  
([http://www.cdc.gov/brfss/annual\\_data/annual\\_data.htm](http://www.cdc.gov/brfss/annual_data/annual_data.htm)).

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

Refer to the Annual Survey Data and Documentation for each survey year for the definitions of all codes in this category  
([http://www.cdc.gov/brfss/annual\\_data/annual\\_data.htm](http://www.cdc.gov/brfss/annual_data/annual_data.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, but 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. The initial diagnosis, however, 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 4471.

**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.

**Appendix C:  
Asthma Call-back Survey (ACBS)  
Non-response Bias Analysis**

Two sets of data tables follow for adult and child participants. The first table reports ACBS unweighted frequencies for respondents, non-respondents, and BRFSS-eligible asthma respondents by age, sex, and race/ethnicity demographic categories for each state. The second table reports estimated current asthma percentage among individuals who have ever been diagnosed with asthma.

Table 1A. Percentage of ACBS adult respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory

Table 1B. Percentage of ACBS child respondents (0-17 years), non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory

Table 2A. Estimated percentage of current asthma status among adults ever diagnosed with asthma by state/territory

Table 2B. Estimated percentage of current asthma status among children (0-17 years) ever diagnosed with asthma by state/territory

**Notes:**

For tables in Appendix C denominator excludes: Respondents with do not know/refused/missing responses.



Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
States/areas total	Male	15,059	37.6	9,548,936	39	9,321	37.5	5,738	37.8	10,470,818	39
	Female	25,000	62.4	14,904,979	61	15,541	62.5	9,459	62.2	16,394,285	61
	Age 18 to 24	2,750	7	3,224,568	13.4	1,799	7.4	951	6.3	3,495,110	13.1
	Age 25 to 34	4,787	12.1	4,352,960	18.1	3,093	12.7	1,694	11.3	4,897,343	18.4
	Age 35 to 44	5,604	14.2	3,898,369	16.2	3,740	15.4	1,864	12.4	4,341,498	16.3
	Age 45 to 54	6,047	15.3	3,429,717	14.3	3,926	16.1	2,121	14.1	3,854,479	14.5
	Age 55 to 64	7,610	19.3	4,090,155	17	4,590	18.8	3,020	20.1	4,543,583	17.1
	Age 65 or older	12,611	32	5,014,729	20.9	7,215	29.6	5,396	35.9	5,514,522	20.7
	White - Non-Hispanic	28,599	73.6	13,153,374	55.4	17,237	71.6	11,362	76.7	15,691,412	60.2
	Black - Non-Hispanic	2,974	7.6	2,915,742	12.3	1,980	8.2	994	6.7	2,660,943	10.2
	Other race only, Non-Hispanic	1,616	4.2	1,583,193	6.7	1,101	4.6	515	3.5	1,589,460	6.1
	Multiracial, Non-Hispanic	1,295	3.3	1,198,508	5	825	3.4	470	3.2	1,500,301	5.8
	Hispanic	4,393	11.3	4,886,238	20.6	2,924	12.1	1,469	9.9	4,622,081	17.7
Arizona	Male	602	39.8	343,441	43.1	393	40.9	209	38.1	343,760	43.2
	Female	909	60.2	452,643	56.9	569	59.1	340	61.9	452,643	56.8
	Age 18 to 24	79	5.3	89,982	11.3	56	5.9	23	4.2	72,165	9.1
	Age 25 to 34	150	10	159,829	20.2	94	9.9	56	10.2	177,646	22.3
	Age 35 to 44	159	10.6	115,626	14.6	111	11.7	48	8.7	115,944	14.6
	Age 45 to 54	201	13.4	130,608	16.5	129	13.6	72	13.1	130,750	16.4
	Age 55 to 64	273	18.3	104,477	13.2	166	17.5	107	19.5	107,257	13.5
	Age 65 or older	633	42.3	192,444	24.3	390	41.2	243	44.3	192,640	24.2
	White - Non-Hispanic	1,080	74.1	456,542	59.2	667	71.9	413	77.9	510,888	65.9
	Black - Non-Hispanic	28	1.9	30,365	3.9	17	1.8	11	2.1	24,558	3.2
	Other race only, Non-Hispanic	76	5.2	45,679	5.9	54	5.8	22	4.2	47,724	6.2
Multiracial, Non-Hispanic	35	2.4	32,043	4.2	24	2.6	11	2.1	47,604	6.1	
	Hispanic	239	16.4	206,805	26.8	166	17.9	73	13.8	144,623	18.7

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
California	Male	622	40.9	1,579,384	38.6	379	39.4	243	43.5	1,579,384	38.6
	Female	900	59.1	2,508,609	61.4	584	60.6	316	56.5	2,508,609	61.4
	Age 18 to 24	132	8.9	472,486	11.8	76	8.2	56	10	472,486	11.6
	Age 25 to 34	219	14.7	713,528	17.9	145	15.6	74	13.2	727,700	17.8
	Age 35 to 44	246	16.5	672,934	16.8	160	17.2	86	15.4	712,446	17.4
	Age 45 to 54	202	13.5	515,996	12.9	138	14.8	64	11.4	549,259	13.4
	Age 55 to 64	287	19.2	766,944	19.2	175	18.8	112	20	769,391	18.8
	Age 65 or older	405	27.2	855,026	21.4	238	25.5	167	29.9	856,710	21
	White - Non-Hispanic	808	55.6	1,502,409	38.1	487	53.3	321	59.4	1,729,071	43.2
	Black - Non-Hispanic	102	7	271,164	6.9	68	7.4	34	6.3	215,483	5.4
Other race only, Non-Hispanic	126	8.7	642,524	16.3	86	9.4	40	7.4	501,175	12.5	
Multiracial, Non-Hispanic	59	4.1	248,879	6.3	35	3.8	24	4.4	320,709	8	
Hispanic	358	24.6	1,278,230	32.4	237	26	121	22.4	1,233,876	30.8	
Connecticut	Male	597	37.3	197,290	39.3	258	37.2	339	37.4	197,290	39.3
	Female	1,003	62.7	305,059	60.7	435	62.8	568	62.6	305,353	60.7
	Age 18 to 24	104	6.7	76,530	15.6	50	7.4	54	6.1	76,530	15.5
	Age 25 to 34	222	14.2	94,865	19.3	92	13.6	130	14.6	94,865	19.2
	Age 35 to 44	212	13.6	70,629	14.4	113	16.8	99	11.1	69,180	14
	Age 45 to 54	257	16.5	64,000	13	127	18.8	130	14.6	65,756	13.3
	Age 55 to 64	354	22.7	88,336	18	151	22.4	203	22.9	89,182	18.1
	Age 65 or older	413	26.4	96,275	19.6	141	20.9	272	30.6	97,727	19.8
	White - Non-Hispanic	1,100	71.7	296,036	61	432	65.5	668	76.3	317,107	64.6
	Black - Non-Hispanic	140	9.1	54,755	11.3	80	12.1	60	6.9	41,389	8.4
Other race only, Non-Hispanic	48	3.1	33,571	6.9	24	3.6	24	2.7	44,907	9.1	
Multiracial, Non-Hispanic	40	2.6	20,531	4.2	18	2.7	22	2.5	13,147	2.7	
Hispanic	207	13.5	80,582	16.6	106	16.1	101	11.5	74,499	15.2	

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Florida	Male	554	33.4	607,367	31.7	244	31.2	310	35.3	607,367	31.7
	Female	1,106	66.6	1,306,631	68.3	538	68.8	568	64.7	1,306,799	68.3
	Age 18 to 24	89	5.5	160,379	8.5	36	4.7	53	6.1	160,379	8.5
	Age 25 to 34	140	8.6	255,981	13.5	67	8.8	73	8.4	255,981	13.5
	Age 35 to 44	198	12.1	292,421	15.5	104	13.6	94	10.8	292,421	15.4
	Age 45 to 54	210	12.9	268,440	14.2	107	14	103	11.9	269,362	14.2
	Age 55 to 64	341	20.9	388,406	20.5	156	20.4	185	21.3	395,235	20.8
	Age 65 or older	653	40	525,440	27.8	293	38.4	360	41.5	523,965	27.6
	White - Non-Hispanic	1,223	75.5	927,395	49.2	555	72.8	668	77.9	1,062,689	57.1
	Black - Non-Hispanic	160	9.9	297,448	15.8	86	11.3	74	8.6	208,203	11.2
	Other race only, Non-Hispanic	31	1.9	32,917	1.7	14	1.8	17	2	69,386	3.7
	Multiracial, Non-Hispanic	59	3.6	125,993	6.7	23	3	36	4.2	173,326	9.3
	Hispanic	146	9	499,447	26.5	84	11	62	7.2	348,728	18.7
	Georgia	Male	430	33.6	448,884	39.6	224	34.3	206	32.9	448,884
Female		849	66.4	685,567	60.4	429	65.7	420	67.1	685,567	60.4
Age 18 to 24		95	7.6	168,703	15.4	49	7.8	46	7.5	168,703	15.1
Age 25 to 34		132	10.6	215,928	19.7	79	12.6	53	8.6	219,849	19.7
Age 35 to 44		150	12.1	179,310	16.3	90	14.3	60	9.8	190,616	17.1
Age 45 to 54		153	12.3	146,679	13.3	81	12.9	72	11.7	144,140	12.9
Age 55 to 64		213	17.1	154,102	14	102	16.2	111	18.1	153,725	13.8
Age 65 or older		500	40.2	234,144	21.3	228	36.2	272	44.3	239,533	21.5
White - Non-Hispanic		822	66.6	612,730	55.8	388	62.4	434	70.8	654,168	58.6
Black - Non-Hispanic		312	25.3	367,546	33.5	175	28.1	137	22.3	355,200	31.8
Other race only, Non-Hispanic	18	1.5	22,125	2	14	2.3	4	0.7	7,010	0.6	
Multiracial, Non-Hispanic	28	2.3	27,648	2.5	14	2.3	14	2.3	25,542	2.3	
Hispanic	55	4.5	68,662	6.2	31	5	24	3.9	73,730	6.6	

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Hawaii	Male	488	41	80,946	45.6	361	41.7	127	39	81,157	45.7
	Female	703	59	96,514	54.4	504	58.3	199	61	96,544	54.3
	Age 18 to 24	99	8.4	26,900	15.3	87	10.2	12	3.7	22,997	13.1
	Age 25 to 34	127	10.8	29,100	16.6	104	12.2	23	7.1	33,003	18.7
	Age 35 to 44	177	15.1	33,814	19.3	147	17.3	30	9.3	32,036	18.2
	Age 45 to 54	136	11.6	18,541	10.6	104	12.2	32	9.9	20,748	11.8
	Age 55 to 64	213	18.2	26,993	15.4	150	17.6	63	19.5	26,997	15.3
	Age 65 or older	421	35.9	40,087	22.8	258	30.4	163	50.5	40,254	22.9
	White - Non-Hispanic	294	25.2	29,613	17	202	24	92	28.5	26,632	15
	Black - Non-Hispanic	12	1	2,698	1.5	10	1.2	2	0.6	1,643	0.9
	Other race only, Non-Hispanic	471	40.4	84,768	48.7	346	41.1	125	38.7	85,433	48.2
	Multiracial, Non-Hispanic	274	23.5	41,116	23.6	198	23.5	76	23.5	39,594	22.3
	Hispanic	114	9.8	15,951	9.2	86	10.2	28	8.7	23,987	13.5
	Indiana	Male	569	36.5	321,519	40.2	266	36.7	303	36.4	321,519
Female		988	63.5	477,799	59.8	458	63.3	530	63.6	479,072	59.8
Age 18 to 24		100	6.5	109,199	13.9	44	6.2	56	6.8	109,199	13.8
Age 25 to 34		179	11.7	152,980	19.5	90	12.7	89	10.8	152,980	19.3
Age 35 to 44		208	13.6	128,582	16.4	116	16.4	92	11.2	128,397	16.2
Age 45 to 54		256	16.8	117,538	15	128	18.1	128	15.6	123,782	15.6
Age 55 to 64		288	18.9	122,316	15.6	141	20	147	17.9	122,606	15.5
Age 65 or older		496	32.5	153,091	19.5	187	26.5	309	37.6	154,993	19.6
White - Non-Hispanic		1,161	76.6	593,051	76.4	515	73	646	79.8	619,547	79.7
Black - Non-Hispanic		209	13.8	82,729	10.7	105	14.9	104	12.8	85,861	11
Other race only, Non-Hispanic		33	2.2	23,021	3	19	2.7	14	1.7	13,830	1.8
Multiracial, Non-Hispanic	35	2.3	32,235	4.2	21	3	14	1.7	20,621	2.7	
Hispanic	77	5.1	45,699	5.9	45	6.4	32	4	37,779	4.9	

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Iowa	Male	419	38.7	123,723	38	259	38.3	160	39.3	123,723	38
	Female	665	61.3	201,460	62	418	61.7	247	60.7	201,460	62
	Age 18 to 24	118	11	50,763	15.8	82	12.3	36	8.9	50,763	15.8
	Age 25 to 34	123	11.5	53,540	16.7	81	12.2	42	10.4	53,540	16.6
	Age 35 to 44	145	13.5	47,468	14.8	93	14	52	12.8	47,468	14.7
	Age 45 to 54	161	15	51,708	16.1	105	15.8	56	13.8	52,346	16.3
	Age 55 to 64	212	19.8	53,659	16.7	116	17.4	96	23.7	53,659	16.7
	Age 65 or older	312	29.1	63,916	19.9	189	28.4	123	30.4	64,236	19.9
	White - Non-Hispanic	913	85.2	268,810	83.3	556	83.2	357	88.6	269,489	83.4
	Black - Non-Hispanic	44	4.1	16,587	5.1	29	4.3	15	3.7	18,116	5.6
	Other race only, Non-Hispanic	19	1.8	10,101	3.1	9	1.3	10	2.5	17,006	5.3
	Multiracial, Non-Hispanic	29	2.7	14,147	4.4	16	2.4	13	3.2	12,875	4
	Hispanic	66	6.2	13,192	4.1	58	8.7	8	2	5,642	1.7
Kansas	Male	587	38.3	131,983	41.4	444	37.8	143	40.2	132,060	41.5
	Female	944	61.7	186,448	58.6	731	62.2	213	59.8	186,448	58.5
	Age 18 to 24	116	7.7	51,903	16.4	99	8.5	17	4.8	44,358	14
	Age 25 to 34	182	12	60,135	19	144	12.4	38	10.7	67,680	21.3
	Age 35 to 44	220	14.5	54,549	17.3	180	15.5	40	11.3	54,549	17.2
	Age 45 to 54	226	14.9	49,030	15.5	185	16	41	11.6	50,110	15.8
	Age 55 to 64	264	17.4	43,322	13.7	197	17	67	18.9	43,322	13.6
	Age 65 or older	505	33.4	56,807	18	354	30.5	151	42.7	57,425	18.1
	White - Non-Hispanic	1,280	85.3	237,619	75.8	971	84.3	309	88.5	246,231	78.8
	Black - Non-Hispanic	74	4.9	17,507	5.6	64	5.6	10	2.9	7,661	2.5
	Other race only, Non-Hispanic	22	1.5	6,971	2.2	17	1.5	5	1.4	6,979	2.2
	Multiracial, Non-Hispanic	54	3.6	20,405	6.5	41	3.6	13	3.7	22,990	7.4
	Hispanic	71	4.7	30,940	9.9	59	5.1	12	3.4	28,466	9.1

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Maine	Male	564	33.7	68,831	36.3	447	33.6	117	34.1	68,831	36.3
	Female	1,111	66.3	120,823	63.7	885	66.4	226	65.9	120,962	63.7
	Age 18 to 24	73	4.4	18,818	10.1	61	4.7	12	3.5	22,351	11.8
	Age 25 to 34	173	10.5	36,826	19.7	144	11	29	8.5	33,293	17.5
	Age 35 to 44	219	13.3	33,345	17.8	190	14.5	29	8.5	33,753	17.8
	Age 45 to 54	240	14.6	26,478	14.1	211	16.2	29	8.5	27,794	14.6
	Age 55 to 64	349	21.2	32,584	17.4	270	20.7	79	23.1	32,731	17.2
	Age 65 or older	594	36	39,152	20.9	430	32.9	164	48	39,869	21
	White - Non-Hispanic	1,533	93.8	165,858	89.8	1,218	94.1	315	92.6	158,946	84.4
	Black - Non-Hispanic	8	0.5	1,531	0.8	6	0.5	2	0.6	2,033	1.1
	Other race only, Non-Hispanic	26	1.6	4,599	2.5	20	1.5	6	1.8	7,643	4.1
	Multiracial, Non-Hispanic	37	2.3	5,806	3.1	28	2.2	9	2.6	13,529	7.2
	Hispanic	30	1.8	6,909	3.7	22	1.7	8	2.4	6,085	3.2
Maryland	Male	838	35	276,618	38.2	587	34.6	251	36	276,846	38.2
	Female	1,555	65	447,329	61.8	1,108	65.4	447	64	448,079	61.8
	Age 18 to 24	128	5.4	90,663	12.7	90	5.4	38	5.5	90,892	12.7
	Age 25 to 34	249	10.6	126,759	17.8	192	11.5	57	8.3	127,509	17.8
	Age 35 to 44	326	13.8	121,368	17	241	14.5	85	12.4	120,718	16.9
	Age 45 to 54	364	15.5	109,188	15.3	262	15.7	102	14.8	108,792	15.2
	Age 55 to 64	502	21.3	128,167	17.9	353	21.2	149	21.7	127,434	17.8
	Age 65 or older	786	33.4	137,879	19.3	529	31.7	257	37.4	139,441	19.5
	White - Non-Hispanic	1,503	64.6	339,876	48.2	1,031	62.7	472	69.1	407,822	57.4
	Black - Non-Hispanic	537	23.1	222,164	31.5	402	24.5	135	19.8	193,356	27.2
	Other race only, Non-Hispanic	68	2.9	38,808	5.5	48	2.9	20	2.9	34,473	4.9
	Multiracial, Non-Hispanic	71	3.1	39,730	5.6	52	3.2	19	2.8	30,237	4.3
	Hispanic	148	6.4	64,491	9.1	111	6.8	37	5.4	44,855	6.3

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Massachusetts	Male	622	37	354,932	40.6	442	36.5	180	38.5	354,932	40.6
	Female	1,058	63	519,849	59.4	770	63.5	288	61.5	519,975	59.4
	Age 18 to 24	166	10.1	122,285	14.3	121	10.3	45	9.7	122,285	14.1
	Age 25 to 34	254	15.4	165,084	19.3	189	16	65	14	165,084	19
	Age 35 to 44	253	15.4	135,919	15.9	193	16.4	60	12.9	140,322	16.2
	Age 45 to 54	267	16.2	133,563	15.6	198	16.8	69	14.8	135,891	15.7
	Age 55 to 64	280	17	134,108	15.7	195	16.5	85	18.3	131,629	15.2
	Age 65 or older	425	25.8	163,825	19.2	284	24.1	141	30.3	172,814	19.9
	White - Non-Hispanic	1,183	72.6	573,203	67.7	830	70.9	353	77.1	574,199	67.6
	Black - Non-Hispanic	106	6.5	56,624	6.7	74	6.3	32	7	65,310	7.7
	Other race only, Non-Hispanic	62	3.8	66,054	7.8	39	3.3	23	5	116,135	13.7
	Multiracial, Non-Hispanic	31	1.9	45,584	5.4	20	1.7	11	2.4	43,079	5.1
	Hispanic	247	15.2	105,651	12.5	208	17.8	39	8.5	51,221	6
Michigan	Male	554	37.5	508,280	40.1	225	37.7	329	37.4	508,393	40
	Female	922	62.5	759,149	59.9	372	62.3	550	62.6	763,354	60
	Age 18 to 24	88	6.1	167,600	13.4	38	6.5	50	5.8	168,989	13.4
	Age 25 to 34	166	11.4	225,484	18	76	12.9	90	10.4	225,484	17.9
	Age 35 to 44	187	12.9	214,367	17.1	98	16.7	89	10.3	214,367	17
	Age 45 to 54	242	16.7	202,140	16.1	115	19.6	127	14.7	208,971	16.5
	Age 55 to 64	283	19.5	190,017	15.2	103	17.5	180	20.8	190,533	15.1
	Age 65 or older	487	33.5	253,375	20.2	157	26.7	330	38.1	254,758	20.2
	White - Non-Hispanic	1,158	80.6	889,318	71.7	437	75.1	721	84.3	970,490	77.9
	Black - Non-Hispanic	165	11.5	186,133	15	87	14.9	78	9.1	135,388	10.9
	Other race only, Non-Hispanic	25	1.7	27,206	2.2	11	1.9	14	1.6	22,648	1.8
	Multiracial, Non-Hispanic	47	3.3	71,474	5.8	23	4	24	2.8	54,988	4.4
	Hispanic	42	2.9	66,304	5.3	24	4.1	18	2.1	62,056	5

**Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory**

		<i>BRFSS</i>				<i>ACBS</i>		<i>ACBS</i>			
		<i>Eligible Asthma Respondents</i>				<i>Non-Respondents</i>		<i>Respondents</i>			
<i>State</i>	<i>Demographics</i>	<i>Sample size (unweighted)</i>	<i>Percent (unweighted)</i>	<i>Weighted total</i>	<i>Percent (weighted)</i>	<i>Sample size (unweighted)</i>	<i>Percent (unweighted)</i>	<i>Sample size (unweighted)</i>	<i>Percent (unweighted)</i>	<i>Weighted total</i>	<i>Percent (weighted)</i>
Minnesota	Male	925	41.4	267,949	43.5	576	40.7	349	42.7	267,949	43.5
	Female	1,309	58.6	348,343	56.5	840	59.3	469	57.3	348,448	56.5
	Age 18 to 24	167	7.6	80,034	13.1	106	7.7	61	7.5	80,034	13
	Age 25 to 34	300	13.6	121,674	20	189	13.7	111	13.6	121,674	19.7
	Age 35 to 44	401	18.2	116,891	19.2	264	19.1	137	16.7	117,137	19
	Age 45 to 54	345	15.7	91,457	15	223	16.1	122	14.9	95,495	15.5
	Age 55 to 64	411	18.7	92,788	15.2	262	18.9	149	18.2	93,280	15.1
	Age 65 or older	577	26.2	106,222	17.4	339	24.5	238	29.1	108,777	17.6
	White - Non-Hispanic	1,798	82.9	443,538	74.1	1,121	81.8	677	84.8	450,451	75.5
	Black - Non-Hispanic	114	5.3	51,856	8.7	78	5.7	36	4.5	43,286	7.3
	Other race only, Non-Hispanic	72	3.3	30,365	5.1	50	3.6	22	2.8	25,868	4.3
	Multiracial, Non-Hispanic	72	3.3	40,389	6.7	42	3.1	30	3.8	47,322	7.9
	Hispanic	113	5.2	32,583	5.4	80	5.8	33	4.1	29,715	5
Missouri	Male	378	37.2	245,874	36.9	245	37.1	133	37.5	246,041	37
	Female	638	62.8	419,642	63.1	416	62.9	222	62.5	419,797	63
	Age 18 to 24	97	9.7	101,454	15.5	69	10.7	28	7.9	101,454	15.3
	Age 25 to 34	159	15.9	133,054	20.3	112	17.4	47	13.3	133,054	20
	Age 35 to 44	140	14	95,712	14.6	95	14.7	45	12.7	98,522	14.8
	Age 45 to 54	147	14.7	111,995	17.1	100	15.5	47	13.3	115,315	17.3
	Age 55 to 64	169	16.9	93,650	14.3	115	17.8	54	15.3	94,912	14.3
	Age 65 or older	287	28.7	120,606	18.4	154	23.9	133	37.6	122,001	18.3
	White - Non-Hispanic	755	76.8	481,037	74.1	482	75.9	273	78.4	509,428	77.2
	Black - Non-Hispanic	147	15	95,808	14.8	102	16.1	45	12.9	67,106	10.2
	Other race only, Non-Hispanic	13	1.3	9,568	1.5	7	1.1	6	1.7	10,624	1.6
	Multiracial, Non-Hispanic	34	3.5	34,628	5.3	21	3.3	13	3.7	42,727	6.5
	Hispanic	34	3.5	28,073	4.3	23	3.6	11	3.2	30,322	4.6



Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Montana	Male	410	41.8	55,847	41.3	309	40.8	101	45.1	55,847	41.3
	Female	571	58.2	79,298	58.7	448	59.2	123	54.9	79,298	58.7
	Age 18 to 24	92	9.5	21,688	16.2	75	10	17	7.7	17,726	13.2
	Age 25 to 34	107	11	22,873	17.1	81	10.8	26	11.8	26,834	19.9
	Age 35 to 44	127	13.1	22,132	16.5	98	13	29	13.1	22,951	17
	Age 45 to 54	134	13.8	18,144	13.5	111	14.8	23	10.4	18,254	13.6
	Age 55 to 64	148	15.2	20,354	15.2	109	14.5	39	17.6	20,354	15.1
	Age 65 or older	365	37.5	28,915	21.6	278	37	87	39.4	28,492	21.2
	White - Non-Hispanic	807	84.2	104,466	78.7	618	83.7	189	85.9	105,568	79.2
	Other race only, Non-Hispanic	76	7.9	9,823	7.4	60	8.1	16	7.3	6,630	5
Nebraska	Multiracial, Non-Hispanic	35	3.7	9,067	6.8	25	3.4	10	4.5	15,934	12
	Hispanic	37	3.9	8,365	6.3	32	4.3	5	2.3	5,196	3.9
	Male	299	37.5	69,008	42.1	214	38.1	85	36	69,267	42.2
	Female	499	62.5	94,911	57.9	348	61.9	151	64	94,911	57.8
	Age 18 to 24	53	6.7	22,581	13.8	42	7.6	11	4.7	20,499	12.5
	Age 25 to 34	87	11	32,640	20	65	11.7	22	9.3	34,721	21.1
	Age 35 to 44	93	11.7	26,796	16.4	67	12.1	26	11	30,355	18.5
	Age 45 to 54	93	11.7	21,742	13.3	65	11.7	28	11.9	19,094	11.6
	Age 55 to 64	143	18.1	24,679	15.1	94	16.9	49	20.8	24,796	15.1
	Age 65 or older	323	40.8	34,645	21.2	223	40.1	100	42.4	34,712	21.1
White - Non-Hispanic	666	85.2	127,329	79.1	467	84.9	199	85.8	132,122	81.1	
Black - Non-Hispanic	19	2.4	7,651	4.8	16	2.9	3	1.3	6,415	3.9	
Other race only, Non-Hispanic	26	3.3	6,241	3.9	18	3.3	8	3.4	6,891	4.2	
Multiracial, Non-Hispanic	12	1.5	7,055	4.4	10	1.8	2	0.9	4,506	2.8	
Hispanic	59	7.5	12,638	7.9	39	7.1	20	8.6	13,016	8	

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory

		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
New Hampshire	Male	353	34.3	84,988	41.4	132	34.5	221	34.3	85,294	41.5
	Female	675	65.7	120,085	58.6	251	65.5	424	65.7	120,176	58.5
	Age 18 to 24	29	2.9	18,825	9.3	15	4	14	2.2	12,779	6.3
	Age 25 to 34	88	8.8	45,516	22.5	35	9.3	53	8.4	51,868	25.5
	Age 35 to 44	100	10	38,874	19.2	47	12.5	53	8.4	38,874	19.1
	Age 45 to 54	144	14.3	30,716	15.2	59	15.7	85	13.5	31,627	15.6
	Age 55 to 64	220	21.9	32,351	16	80	21.3	140	22.2	32,171	15.8
	Age 65 or older	424	42.2	35,683	17.7	139	37.1	285	45.2	35,967	17.7
	White - Non-Hispanic	938	94.2	172,529	86	342	93.4	596	94.6	177,651	87.2
	Black - Non-Hispanic	8	0.8	5,320	2.7	6	1.6	2	0.3	4,173	2
	Other race only, Non-Hispanic	10	1	3,223	1.6	4	1.1	6	1	3,078	1.5
	Multiracial, Non-Hispanic	22	2.2	9,229	4.6	7	1.9	15	2.4	9,026	4.4
	Hispanic	18	1.8	10,325	5.1	7	1.9	11	1.7	9,739	4.8
	New Jersey	Male	373	37.1	352,720	37.5	168	37.3	205	36.9	352,720
Female		633	62.9	586,849	62.5	282	62.7	351	63.1	586,849	62.5
Age 18 to 24		84	8.5	122,744	13.2	33	7.5	51	9.3	122,744	13.2
Age 25 to 34		136	13.8	166,118	17.9	64	14.5	72	13.2	166,118	17.8
Age 35 to 44		146	14.8	134,738	14.5	66	15	80	14.6	134,738	14.5
Age 45 to 54		172	17.4	134,491	14.5	95	21.5	77	14.1	133,669	14.3
Age 55 to 64		200	20.2	172,545	18.6	83	18.8	117	21.4	173,901	18.7
Age 65 or older		250	25.3	198,777	21.4	100	22.7	150	27.4	200,936	21.6
White - Non-Hispanic		571	60	447,206	50.1	219	51.7	352	66.7	525,676	59.2
Black - Non-Hispanic		137	14.4	149,326	16.7	74	17.5	63	11.9	118,719	13.4
Other race only, Non-Hispanic		46	4.8	70,807	7.9	21	5	25	4.7	61,653	6.9
Multiracial, Non-Hispanic		19	2	27,600	3.1	8	1.9	11	2.1	27,960	3.1
Hispanic		179	18.8	198,442	22.2	102	24.1	77	14.6	154,001	17.3

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
New Mexico	Male	244	36.7	84,467	39.8	160	37	84	36.4	84,695	39.8
	Female	420	63.3	128,018	60.2	273	63	147	63.6	128,092	60.2
	Age 18 to 24	37	5.6	27,089	12.9	22	5.2	15	6.6	23,757	11.3
	Age 25 to 34	60	9.2	33,145	15.7	36	8.5	24	10.5	36,478	17.4
	Age 35 to 44	87	13.3	39,061	18.6	63	14.8	24	10.5	30,834	14.7
	Age 45 to 54	82	12.5	24,178	11.5	56	13.1	26	11.4	32,428	15.4
	Age 55 to 64	123	18.8	33,687	16	83	19.5	40	17.5	32,870	15.7
	Age 65 or older	266	40.6	53,392	25.4	166	39	100	43.7	53,649	25.5
	White - Non-Hispanic	349	54.5	83,057	40.5	226	54.2	123	55.2	90,547	44
	Black - Non-Hispanic	11	1.7	7,543	3.7	7	1.7	4	1.8	4,820	2.3
	Other race only, Non-Hispanic	48	7.5	18,855	9.2	32	7.7	16	7.2	20,128	9.8
	Multiracial, Non-Hispanic	14	2.2	6,521	3.2	6	1.4	8	3.6	13,106	6.4
	Hispanic	218	34.1	89,265	43.5	146	35	72	32.3	77,325	37.5
New York*	Male	310	37.9	1,001,100	43.3	273	37.7	37	39.8	1,920,167	40.8
	Female	507	62.1	1,310,866	56.7	451	62.3	56	60.2	2,790,100	59.2
	Age 18 to 24	66	8.3	327,162	14.7	59	8.3	7	7.9	662,169	14.3
	Age 25 to 34	97	12.2	371,289	16.6	88	12.4	9	10.1	828,212	17.9
	Age 35 to 44	96	12.1	323,260	14.5	84	11.9	12	13.5	711,038	15.4
	Age 45 to 54	120	15.1	294,685	13.2	111	15.7	9	10.1	628,080	13.6
	Age 55 to 64	163	20.5	431,399	19.3	144	20.4	19	21.3	868,425	18.8
	Age 65 or older	254	31.9	484,872	21.7	221	31.3	33	37.1	927,366	20
	White - Non-Hispanic	476	60.8	1,033,158	46.2	407	58.7	69	76.7	2,553,373	57.5
	Black - Non-Hispanic	106	13.5	408,697	18.3	98	14.1	8	8.9	624,642	14.1
	Other race only, Non-Hispanic	37	4.7	189,455	8.5	35	5.1	2	2.2	243,426	5.5
	Multiracial, Non-Hispanic	21	2.7	87,108	3.9	18	2.6	3	3.3	222,619	5
	Hispanic	143	18.3	518,931	23.2	135	19.5	8	8.9	799,580	18

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Ohio	Male	763	35.9	469,535	37.9	539	36.2	224	35.3	469,535	37.9
	Female	1,362	64.1	768,222	62.1	951	63.8	411	64.7	770,688	62.1
	Age 18 to 24	135	6.4	165,077	13.5	85	5.8	50	7.9	165,077	13.3
	Age 25 to 34	257	12.3	254,488	20.8	186	12.7	71	11.2	256,716	20.7
	Age 35 to 44	267	12.7	183,118	14.9	191	13.1	76	12	184,778	14.9
	Age 45 to 54	374	17.8	176,164	14.4	264	18.1	110	17.3	185,279	14.9
	Age 55 to 64	438	20.9	207,757	17	304	20.8	134	21.1	207,905	16.8
	Age 65 or older	625	29.8	238,452	19.5	431	29.5	194	30.6	240,466	19.4
	White - Non-Hispanic	1,758	85.3	879,596	73.6	1,213	84.1	545	87.9	929,830	76.8
	Black - Non-Hispanic	145	7	158,305	13.2	116	8	29	4.7	123,821	10.2
	Other race only, Non-Hispanic	39	1.9	26,196	2.2	28	1.9	11	1.8	17,779	1.5
	Multiracial, Non-Hispanic	61	3	69,931	5.9	41	2.8	20	3.2	86,872	7.2
	Hispanic	59	2.9	61,159	5.1	44	3.1	15	2.4	52,452	4.3
Oregon	Male	367	40.2	220,580	41.2	272	39.1	95	43.6	220,580	41.2
	Female	547	59.8	314,602	58.8	424	60.9	123	56.4	314,602	58.8
	Age 18 to 24	56	6.2	60,496	11.4	45	6.6	11	5	52,820	9.9
	Age 25 to 34	135	15	102,059	19.3	94	13.7	41	18.8	109,735	20.5
	Age 35 to 44	148	16.4	81,321	15.4	118	17.3	30	13.8	81,321	15.2
	Age 45 to 54	162	18	83,047	15.7	124	18.1	38	17.4	86,333	16.1
	Age 55 to 64	160	17.7	85,917	16.2	121	17.7	39	17.9	88,729	16.6
	Age 65 or older	241	26.7	116,077	21.9	182	26.6	59	27.1	116,244	21.7
	White - Non-Hispanic	728	83.7	385,250	75.3	545	82.3	183	88	418,101	82.4
	Black - Non-Hispanic	6	0.7	4,784	0.9	3	0.5	3	1.4	9,487	1.9
	Other race only, Non-Hispanic	30	3.4	29,735	5.8	26	3.9	4	1.9	11,351	2.2
	Multiracial, Non-Hispanic	46	5.3	43,930	8.6	36	5.4	10	4.8	43,406	8.6
	Hispanic	60	6.9	47,839	9.4	52	7.9	8	3.8	25,281	5

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Rhode Island	Male	377	38	69,251	43.3	249	40.2	128	34.2	69,251	43.3
	Female	616	62	90,721	56.7	370	59.8	246	65.8	90,721	56.7
	Age 18 to 24	58	5.9	21,385	13.6	32	5.3	26	7	22,216	14.2
	Age 25 to 34	109	11.2	28,810	18.3	65	10.7	44	11.9	27,979	17.8
	Age 35 to 44	130	13.3	26,425	16.7	85	14	45	12.2	26,041	16.6
	Age 45 to 54	144	14.8	22,077	14	99	16.3	45	12.2	20,399	13
	Age 55 to 64	209	21.4	27,918	17.7	130	21.5	79	21.4	28,429	18.1
	Age 65 or older	326	33.4	31,158	19.7	195	32.2	131	35.4	31,863	20.3
	White - Non-Hispanic	750	78	107,299	69.3	459	76.8	291	79.9	111,498	71.3
	Black - Non-Hispanic	43	4.5	9,848	6.4	26	4.3	17	4.7	12,951	8.3
	Other race only, Non-Hispanic	26	2.7	6,431	4.2	17	2.8	9	2.5	9,061	5.8
	Multiracial, Non-Hispanic	22	2.3	6,100	3.9	12	2	10	2.7	6,740	4.3
	Hispanic	121	12.6	25,141	16.2	84	14	37	10.2	16,138	10.3
Texas	Male	682	37.6	910,490	36.6	446	36.3	236	40.1	910,490	36.6
	Female	1,133	62.4	1,574,198	63.4	781	63.7	352	59.9	1,574,341	63.4
	Age 18 to 24	124	7	381,002	15.7	87	7.2	37	6.4	381,002	15.5
	Age 25 to 34	240	13.5	442,497	18.2	170	14.1	70	12.1	442,497	18
	Age 35 to 44	285	16	411,275	16.9	206	17.1	79	13.6	413,625	16.8
	Age 45 to 54	285	16	339,479	14	204	17	81	14	340,281	13.9
	Age 55 to 64	314	17.6	384,440	15.8	200	16.6	114	19.7	384,482	15.7
	Age 65 or older	533	29.9	470,162	19.4	335	27.9	198	34.2	493,692	20.1
	White - Non-Hispanic	1,064	61	1,068,824	44.5	706	59.8	358	63.6	1,144,961	47.5
	Black - Non-Hispanic	187	10.7	339,583	14.1	137	11.6	50	8.9	240,537	10
	Other race only, Non-Hispanic	52	3	101,061	4.2	25	2.1	27	4.8	175,696	7.3
	Multiracial, Non-Hispanic	41	2.4	84,858	3.5	26	2.2	15	2.7	117,265	4.9
	Hispanic	399	22.9	805,758	33.6	286	24.2	113	20.1	731,805	30.4

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Utah	Male	656	43.5	166,852	41.9	426	41.8	230	47.1	167,291	42
	Female	852	56.5	231,215	58.1	594	58.2	258	52.9	231,215	58
	Age 18 to 24	136	9.1	73,235	18.6	97	9.7	39	8	73,235	18.5
	Age 25 to 34	236	15.8	88,266	22.4	166	16.5	70	14.4	88,266	22.3
	Age 35 to 44	266	17.9	71,490	18.1	190	18.9	76	15.7	71,620	18.1
	Age 45 to 54	245	16.4	53,976	13.7	167	16.6	78	16.1	55,863	14.1
	Age 55 to 64	254	17	51,352	13	165	16.4	89	18.4	51,352	13
	Age 65 or older	353	23.7	55,937	14.2	220	21.9	133	27.4	56,164	14.2
	White - Non-Hispanic	1,254	85.1	304,158	78.3	835	83.5	419	88.4	325,740	83.6
	Black - Non-Hispanic	14	0.9	8,460	2.2	10	1	4	0.8	4,673	1.2
	Other race only, Non-Hispanic	40	2.7	22,243	5.7	31	3.1	9	1.9	12,921	3.3
	Multiracial, Non-Hispanic	24	1.6	9,976	2.6	15	1.5	9	1.9	15,396	4
	Hispanic	142	9.6	43,648	11.2	109	10.9	33	7	30,928	7.9
Vermont	Male	571	38.9	37,246	38.8	219	38.3	352	39.2	37,715	39
	Female	898	61.1	58,864	61.2	353	61.7	545	60.8	58,917	61
	Age 18 to 24	70	4.8	16,061	16.9	29	5.2	41	4.6	16,061	16.8
	Age 25 to 34	142	9.8	14,462	15.3	49	8.8	93	10.5	14,462	15.1
	Age 35 to 44	224	15.5	15,704	16.6	102	18.2	122	13.8	15,704	16.4
	Age 45 to 54	234	16.2	14,258	15	100	17.9	134	15.1	14,620	15.3
	Age 55 to 64	316	21.9	15,603	16.5	126	22.5	190	21.5	15,691	16.4
	Age 65 or older	459	31.8	18,728	19.8	154	27.5	305	34.5	19,241	20.1
	White - Non-Hispanic	1,309	91.7	83,878	89.7	497	90	812	92.8	87,026	91
	Black - Non-Hispanic	14	1	1,851	2	6	1.1	8	0.9	3,052	3.2
	Other race only, Non-Hispanic	33	2.3	2,155	2.3	15	2.7	18	2.1	1,509	1.6
	Multiracial, Non-Hispanic	31	2.2	2,391	2.6	17	3.1	14	1.6	1,767	1.8
	Hispanic	40	2.8	3,214	3.4	17	3.1	23	2.6	2,271	2.4

Table 1A. Percentage of ACBS adult (aged ≥ 18) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Wisconsin	Male	653	39.7	296,651	41.7	431	41.1	222	37.4	296,651	41.7
	Female	990	60.3	415,239	58.3	618	58.9	372	62.6	415,239	58.3
	Age 18 to 24	116	7.1	115,764	16.4	82	8	34	5.7	115,764	16.3
	Age 25 to 34	164	10.1	110,172	15.6	110	10.7	54	9.1	110,172	15.5
	Age 35 to 44	222	13.7	124,895	17.7	130	12.6	92	15.5	125,396	17.6
	Age 45 to 54	281	17.3	107,909	15.3	172	16.7	109	18.4	113,519	15.9
	Age 55 to 64	328	20.2	116,427	16.5	223	21.7	105	17.7	116,427	16.4
	Age 65 or older	513	31.6	129,666	18.4	313	30.4	200	33.7	130,611	18.3
	White - Non-Hispanic	1,313	81.7	538,598	77	809	79.1	504	86.2	581,571	83
	Black - Non-Hispanic	122	7.6	58,333	8.3	95	9.3	27	4.6	42,798	6.1
	Other race only, Non-Hispanic	42	2.6	18,497	2.6	30	2.9	12	2.1	8,497	1.2
	Multiracial, Non-Hispanic	42	2.6	34,136	4.9	28	2.7	14	2.4	27,413	3.9
	Hispanic	89	5.5	50,099	7.2	61	6	28	4.8	40,405	5.8
Puerto Rico	Male	252	28.3	173,180	36.9	133	28.1	119	28.6	173,180	36.9
	Female	637	71.7	296,028	63.1	340	71.9	297	71.4	296,028	63.1
	Age 18 to 24	43	4.9	63,757	13.8	32	6.9	11	2.7	45,672	9.7
	Age 25 to 34	154	17.5	95,857	20.7	86	18.5	68	16.4	113,942	24.3
	Age 35 to 44	172	19.6	86,345	18.6	98	21.1	74	17.9	86,345	18.4
	Age 45 to 54	170	19.3	71,488	15.4	86	18.5	84	20.3	76,518	16.3
	Age 55 to 64	155	17.6	65,858	14.2	76	16.3	79	19.1	66,158	14.1
	Age 65 or older	185	21	79,976	17.3	87	18.7	98	23.7	79,976	17.1
	White - Non-Hispanic	5	0.6	992	0.2	2	0.4	3	0.7	589	0.1
	Black - Non-Hispanic	1	0.1	127	0	.	.	1	0.2	261	0.1
Hispanic	882	99.2	467,893	99.7	470	99.4	412	99	468,358	99.8	

Notes:  
\*State only included in version 1 and 3 of sample split: New York

<b>Table 1B. Percentage of ACBS child (aged 0-17 years) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory</b>											
		<i>BRFSS</i>				<i>ACBS</i>		<i>ACBS</i>			
		<i>Eligible Asthma Respondents</i>				<i>Non-Respondents</i>		<i>Respondents</i>			
<i>State</i>	<i>Demographics</i>	<i>Sample size (unweighted)</i>	<i>Percent (unweighted)</i>	<i>Weighted total</i>	<i>Percent (weighted)</i>	<i>Sample size (unweighted)</i>	<i>Percent (unweighted)</i>	<i>Sample size (unweighted)</i>	<i>Percent (unweighted)</i>	<i>Weighted total</i>	<i>Percent (weighted)</i>
States/areas total	Boy	1,050	57.7	1,140,720	58.7	459	56.1	591	58.9	1,098,121	56.6
	Girl	771	42.3	803,717	41.3	359	43.9	412	41.1	840,682	43.4
	Age 0 to 4	103	6.5	171,128	9.8	44	6.4	59	6.6	201,159	10.4
	Age 5 to 9	346	21.8	492,949	28.3	161	23.3	185	20.7	519,889	26.9
	Age 10 to 14	592	37.3	568,699	32.7	258	37.3	334	37.4	666,047	34.4
	Age 15 to 17	545	34.4	506,514	29.1	229	33.1	316	35.3	548,223	28.3
	White only	1,308	73.1	1,109,184	58	593	73.9	715	72.4	891,595	46.7
	Black or African American only	304	17	564,728	29.5	124	15.5	180	18.2	564,592	29.6
	Other Races and Multiracial	177	9.9	238,522	12.5	85	10.6	92	9.3	454,078	23.8
Connecticut	Boy	166	60.4	49,848	50.5	60	58.8	106	61.3	70,096	68.4
	Girl	109	39.6	48,890	49.5	42	41.2	67	38.7	32,368	31.6
	Age 0 to 4	12	5	2,544	2.9	5	5.7	7	4.6	1,748	1.8
	Age 5 to 9	59	24.7	41,037	46.8	28	31.8	31	20.5	39,465	40.5
	Age 10 to 14	87	36.4	30,060	34.3	30	34.1	57	37.7	37,581	38.6
	Age 15 to 17	81	33.9	14,112	16.1	25	28.4	56	37.1	18,606	19.1
	White only	179	68.3	57,699	59.6	69	70.4	110	67.1	53,350	51.8
	Black or African American only	58	22.1	24,492	25.3	18	18.4	40	24.4	19,311	18.7
	Other Races and Multiracial	25	9.5	14,662	15.1	11	11.2	14	8.5	30,383	29.5
Florida	Boy	99	56.9	176,872	50.7	36	50.7	63	61.2	137,604	39.2
	Girl	75	43.1	171,991	49.3	35	49.3	40	38.8	213,432	60.8
	Age 0 to 4	10	6.5	21,630	7.2	5	8.3	5	5.4	26,280	8.1
	Age 5 to 9	40	26.1	106,740	35.4	14	23.3	26	28	114,621	35.4
	Age 10 to 14	59	38.6	94,289	31.3	24	40	35	37.6	104,248	32.2
	Age 15 to 17	44	28.8	78,795	26.1	17	28.3	27	29	78,876	24.3
	White only	127	73.8	167,528	49.5	54	78.3	73	70.9	62,835	17.9
	Black or African American only	32	18.6	139,276	41.2	12	17.4	20	19.4	125,534	35.7
	Other Races and Multiracial	13	7.6	31,446	9.3	3	4.3	10	9.7	163,111	46.4



Table 1B. Percentage of ACBS child (aged 0-17 years) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory

		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Georgia	Boy	111	56.9	145,657	54.9	34	55.7	77	57.5	134,315	52.9
	Girl	84	43.1	119,781	45.1	27	44.3	57	42.5	119,781	47.1
	Age 0 to 4	9	5.2	23,087	9.4	3	5.6	6	5	3,983	1.5
	Age 5 to 9	38	22	66,246	27.1	12	22.2	26	21.8	90,074	33
	Age 10 to 14	67	38.7	87,273	35.7	26	48.1	41	34.5	95,972	35.2
	Age 15 to 17	59	34.1	67,908	27.8	13	24.1	46	38.7	82,750	30.3
	White only	103	53.6	120,924	46.5	24	40.7	79	59.4	141,690	55.8
	Black or African American only	76	39.6	120,836	46.5	31	52.5	45	33.8	80,155	31.5
	Other Races and Multiracial	13	6.8	18,065	7	4	6.8	9	6.8	32,251	12.7
Indiana	Boy	131	59	78,073	58.8	64	58.7	67	59.3	68,719	52
	Girl	91	41	54,633	41.2	45	41.3	46	40.7	63,430	48
	Age 0 to 4	10	5.5	14,280	12.5	5	5.6	5	5.3	26,851	18.8
	Age 5 to 9	36	19.7	32,906	28.8	18	20.2	18	19.1	25,493	17.9
	Age 10 to 14	71	38.8	31,606	27.6	35	39.3	36	38.3	35,231	24.7
	Age 15 to 17	66	36.1	35,532	31.1	31	34.8	35	37.2	55,176	38.7
	White only	161	72.5	82,231	56.1	80	74.1	81	71.1	70,593	46.9
	Black or African American only	36	16.2	30,699	20.9	16	14.8	20	17.5	39,193	26
	Other Races and Multiracial	25	11.3	33,689	23	12	11.1	13	11.4	40,794	27.1
Michigan	Boy	93	52	112,367	57.1	31	44.3	62	56.9	116,637	60.5
	Girl	86	48	84,423	42.9	39	55.7	47	43.1	76,240	39.5
	Age 0 to 4	13	7.8	24,930	13.6	6	9.4	7	6.9	19,092	10.1
	Age 5 to 9	25	15.1	32,248	17.6	10	15.6	15	14.7	30,695	16.3
	Age 10 to 14	57	34.3	56,326	30.8	21	32.8	36	35.3	67,288	35.7
	Age 15 to 17	71	42.8	69,516	38	27	42.2	44	43.1	71,513	37.9
	White only	125	68.7	123,729	62.9	45	64.3	80	71.4	122,281	61.1
	Black or African American only	32	17.6	37,499	19.1	15	21.4	17	15.2	29,204	14.6
	Other Races and Multiracial	25	13.7	35,527	18.1	10	14.3	15	13.4	48,620	24.3

Table 1B. Percentage of ACBS child (aged 0-17 years) respondents, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory

		BRFSS				ACBS		ACBS			
		Eligible Asthma Respondents				Non-Respondents		Respondents			
State	Demographics	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)	Sample size (unweighted)	Percent (unweighted)	Sample size (unweighted)	Percent (unweighted)	Weighted total	Percent (weighted)
Texas	Boy	199	59.8	517,837	64.6	101	58.7	98	60.9	517,544	64.3
	Girl	134	40.2	283,831	35.4	71	41.3	63	39.1	287,836	35.7
	Age 0 to 4	21	7.5	76,473	10.7	8	5.8	13	9.2	114,707	14.1
	Age 5 to 9	60	21.4	182,688	25.5	32	23	28	19.7	187,874	23.2
	Age 10 to 14	107	38.1	240,521	33.5	52	37.4	55	38.7	290,612	35.8
	Age 15 to 17	93	33.1	217,390	30.3	47	33.8	46	32.4	217,899	26.9
	White only	218	67.9	475,933	61.3	117	69.6	101	66	380,850	50.8
	Black or African American only	57	17.8	204,409	26.3	26	15.5	31	20.3	255,731	34.1
	Other Races and Multiracial	46	14.3	95,713	12.3	25	14.9	21	13.7	112,918	15.1
Utah	Boy	155	60.3	53,237	60.9	104	60.1	51	60.7	46,690	53.2
	Girl	102	39.7	34,130	39.1	69	39.9	33	39.3	41,132	46.8
	Age 0 to 4	13	5.8	7,095	9	4	2.7	9	11.7	7,830	9.1
	Age 5 to 9	54	23.9	27,362	34.5	36	24.2	18	23.4	27,362	31.6
	Age 10 to 14	82	36.3	24,053	30.3	57	38.3	25	32.5	30,072	34.8
	Age 15 to 17	77	34.1	20,744	26.2	52	34.9	25	32.5	21,191	24.5
	White only	224	89.2	70,319	82.6	148	87.1	76	93.8	50,755	57.4
	Black or African American only	7	2.8	6,333	7.4	4	2.4	3	3.7	14,319	16.2
	Other Races and Multiracial	20	8	8,451	9.9	18	10.6	2	2.5	23,338	26.4
Vermont	Boy	96	51.6	6,827	53.1	29	48.3	67	53.2	6,517	50.2
	Girl	90	48.4	6,038	46.9	31	51.7	59	46.8	6,462	49.8
	Age 0 to 4	15	9.1	1,089	9.1	8	16.3	7	6	668	5.5
	Age 5 to 9	34	20.6	3,723	31.3	11	22.4	23	19.8	4,304	35.2
	Age 10 to 14	62	37.6	4,571	38.4	13	26.5	49	42.2	5,044	41.2
	Age 15 to 17	54	32.7	2,516	21.1	17	34.7	37	31.9	2,212	18.1
	White only	171	91.4	10,820	83.4	56	93.3	115	90.6	9,241	70.8
	Black or African American only	6	3.2	1,185	9.1	2	3.3	4	3.1	1,146	8.8
	Other Races and Multiracial	10	5.3	969	7.5	2	3.3	8	6.3	2,661	20.4

Notes:

This table contains only states included in public release file

Appendix C

Table 2A. Estimated percentage of current asthma status among adults (≥18 years) ever diagnosed with asthma by state/territory

<i>State</i>	<i>ACBS Sample size</i>	<i>Current Prevalence (weighted percent)</i>	<i>Standard Error</i>	<i>CI ACBS</i>	<i>BRFSS Sample size</i>	<i>Current Prevalence (weighted percent)</i>	<i>Standard Error</i>	<i>CI BRFSS</i>
States/areas total	13,463	66.8	0.93	(64.9 - 68.6)	38,854	67.5	0.54	(66.4 - 68.5)
Arizona	494	63	3.87	(55.2 - 70.2)	1,447	64	2.23	(59.5 - 68.3)
California	487	58.5	3.41	(51.7 - 65.0)	1,456	60.3	1.98	(56.3 - 64.1)
Connecticut	718	64.8	3.04	(58.6 - 70.5)	1,561	71.6	1.8	(67.9 - 75.0)
Florida	692	68.7	3.4	(61.7 - 75.0)	1,610	67.7	2.42	(62.7 - 72.2)
Georgia	510	58.4	3.72	(51.0 - 65.5)	1,238	65	2.08	(60.8 - 68.9)
Hawaii	312	60.3	4.7	(50.9 - 69.1)	1,176	58.7	2.08	(54.5 - 62.7)
Indiana	657	71.1	2.31	(66.3 - 75.4)	1,505	72.3	1.48	(69.3 - 75.1)
Iowa	368	75.7	3.01	(69.3 - 81.1)	1,046	73.8	1.73	(70.3 - 77.0)
Kansas	329	72	3.36	(65.0 - 78.1)	1,473	73.3	1.53	(70.2 - 76.2)
Maine	460	78.3	3.11	(71.6 - 83.8)	1,628	76.4	1.55	(73.3 - 79.3)
Maryland	556	63	3.66	(55.6 - 69.8)	2,340	68.7	1.59	(65.5 - 71.7)
Massachusetts	430	75.3	2.95	(69.1 - 80.6)	1,628	71.5	1.56	(68.3 - 74.4)
Michigan	704	70.9	2.26	(66.3 - 75.1)	1,437	72.7	1.5	(69.7 - 75.5)
Minnesota	745	72.9	2.05	(68.7 - 76.7)	2,150	72	1.28	(69.4 - 74.5)
Missouri	329	70.1	3.64	(62.5 - 76.7)	983	70.9	1.99	(66.9 - 74.7)
Montana	192	77.4	3.97	(68.7 - 84.3)	956	75.2	1.77	(71.6 - 78.6)
Nebraska	203	75.2	5.19	(63.7 - 83.9)	781	73.6	2.29	(68.9 - 77.9)
New Hampshire	505	71.1	3.2	(64.5 - 77.0)	995	73.1	2.12	(68.7 - 77.0)
New Jersey	457	68.7	2.72	(63.1 - 73.8)	977	68.2	2.1	(64.0 - 72.2)
New Mexico	194	78.7	4.14	(69.5 - 85.7)	646	75.2	2.56	(69.9 - 79.9)
New York	472	66.7	2.83	(61.0 - 72.0)	794	70.1	2.33	(65.4 - 74.5)
Ohio	577	70.4	2.83	(64.6 - 75.6)	2,056	73.8	1.46	(70.8 - 76.5)
Oregon	194	76.6	3.34	(69.5 - 82.5)	874	70.5	1.87	(66.7 - 74.0)
Rhode Island	323	73	3.17	(66.4 - 78.8)	967	74.2	2.03	(70.0 - 78.0)
Texas	429	66.1	3.94	(58.0 - 73.3)	1,761	62.9	2.08	(58.7 - 66.9)
Utah	438	68.9	3.06	(62.6 - 74.6)	1,444	67.4	1.73	(63.9 - 70.7)
Vermont	730	66.2	2.68	(60.8 - 71.3)	1,440	71.2	1.78	(67.6 - 74.6)
Wisconsin	560	69.4	2.88	(63.5 - 74.7)	1,597	71.2	1.63	(67.9 - 74.3)
Puerto Rico	398	65.2	3.61	(57.8 - 71.9)	888	65.6	2.37	(60.9 - 70.1)

**Table 2B. Estimated percentage of current asthma status among children (0-17 years) ever diagnosed with asthma by state/territory**

<i>State</i>	<i>ACBS Sample size</i>	<i>Current Prevalence (weighted percent)</i>	<i>Standard Error</i>	<i>CI ACBS</i>	<i>BRFSS Sample size</i>	<i>Current Prevalence (weighted percent)</i>	<i>Standard Error</i>	<i>CI BRFSS</i>
States/areas total	747	69.2	3.73	(61.4 - 76.0)	1,797	66.7	2.68	(61.2 - 71.7)
Connecticut	121	56.6	6.79	(43.1 - 69.2)	275	55.4	5.35	(44.8 - 65.5)
Florida	75	61.5	13.34	(34.6 - 82.9)	170	61.5	7.96	(45.3 - 75.6)
Georgia	92	56.5	9.31	(38.2 - 73.3)	193	70	6.11	(56.9 - 80.5)
Indiana	88	74.9	6.2	(60.9 - 85.1)	222	78.8	4.42	(68.9 - 86.2)
Michigan	78	74.4	6.43	(60.0 - 85.0)	178	69.8	5.3	(58.5 - 79.1)
Texas	126	74.9	5.52	(62.6 - 84.2)	332	65.1	4.82	(55.2 - 73.9)
Utah	72	80.2	5.8	(66.4 - 89.3)	250	76.4	3.59	(68.7 - 82.7)
Vermont	95	68.3	6.25	(55.0 - 79.2)	177	69.6	4.28	(60.6 - 77.3)

Notes:  
This table contains only states included in public-release file