



2018

Behavioral Risk Factor Surveillance System

Asthma Call-back Survey

Summary Data Quality Report



**National
Asthma
Control
Program**

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Josephine Malilay, PhD
Branch Chief
Asthma and Community Health 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

Phone: (770) 488-3465
E-mail: jym7@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

2018 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.

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 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 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 2018 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 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 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:

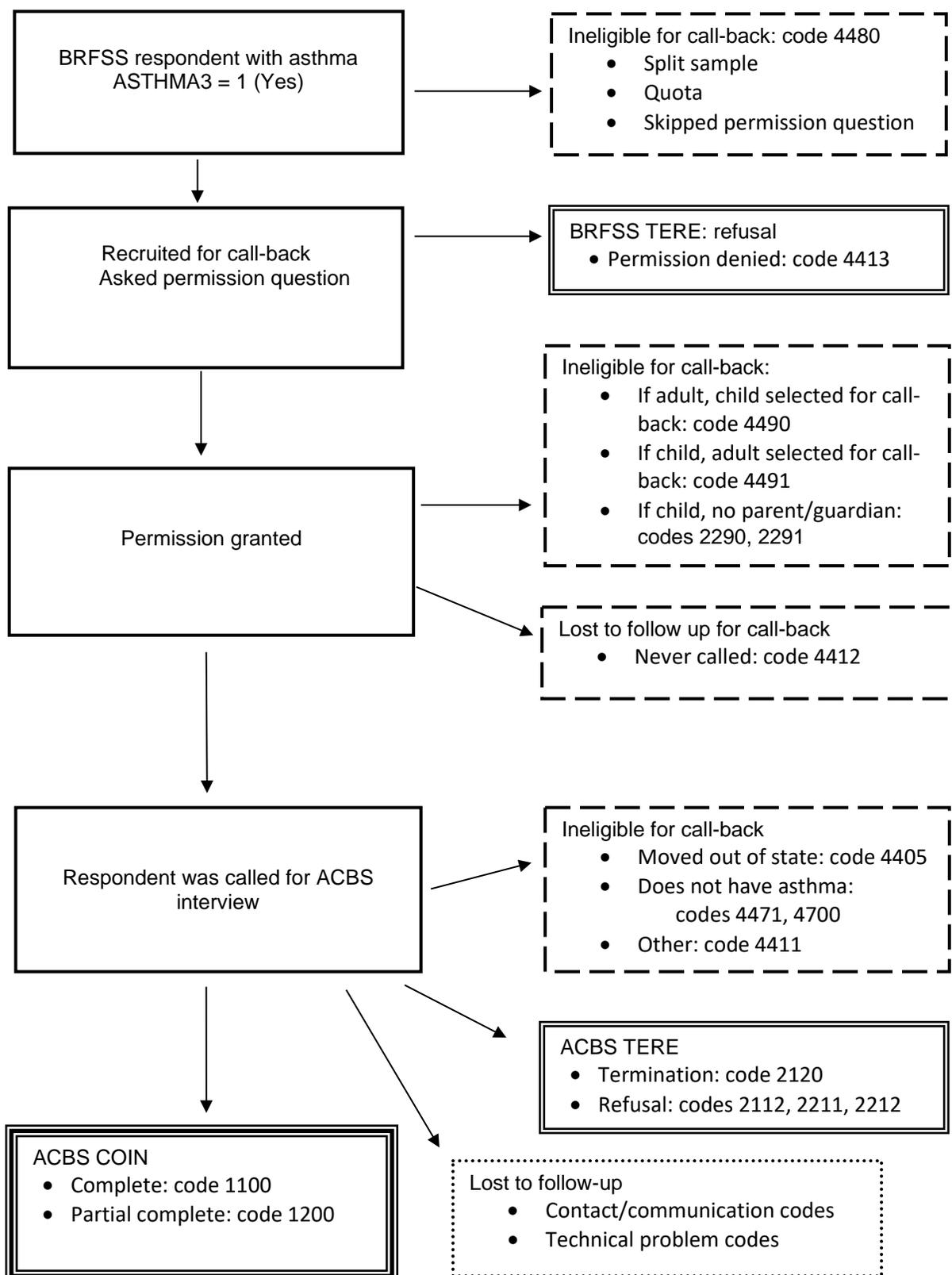
- Respondents in households where both the selected adult and selected child in the household have asthma. When both have asthma, only one is eligible for the ACBS.
- Respondents who move out-of-state between the BRFSS interview and the ACBS interview in states that are not transferring ACBS interview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

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. 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 Asthma Call-back Survey (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 2018 BRFSS ACBS Summary Data Quality Report

Landline and Cell Phone Samples

Table 1.1 ACBS 2018 Disposition Categories by State/Territory: Adult Landline and Cell Phone Sample

Table 1.2 ACBS 2018 Disposition Categories by State/Territory: Child Landline and Cell Phone Sample

Table 2.1 ACBS 2018 Response Rates by State/Territory: Adult Landline and Cell Phone Sample

Table 2.2 ACBS 2018 Response Rates by State/Territory: Child Landline and Cell Phone Sample

Table 3.1 ACBS 2018 Completed Interviews by State/Territory and Month: Adult Landline and Cell Phone Sample

Table 3.2 ACBS 2018 Completed Interviews by State/Territory and Month: Child Landline and Cell Phone Sample

Table 1.1 ACBS 2018 Disposition Categories by State/Territory: Adult Landline Cell Phone Sample

State	BRFSS Asthma	Ineligible Not Recruited		Recruited for Call-back				Ineligible		Total	Eligible				Ineligible
				Refused BRFSS TERE		Agreed		Child Selected	Never Called		COIN	ACBS TERE	Lost to Follow up		
													Contact	Technical	
Arizona*	1160	137	11.81%	367	31.64%	656	56.55%	0	100	556	232	21	274	25	4
California	1717	380	22.13%	427	24.87%	913	53.17%	24	95	791	361	61	338	18	13
Connecticut	1538	178	11.57%	483	31.40%	877	57.02%	36	5	836	388	22	374	41	11
Florida	1747	318	18.20%	337	19.29%	1092	62.51%	24	0	1068	693	41	315	18	1
Georgia	1098	592	53.92%	119	10.84%	387	35.25%	26	0	361	230	13	113	5	0
Hawaii	1244	173	13.91%	349	28.05%	722	58.04%	24	39	659	330	15	306	4	4
Illinois	668	57	8.53%	165	24.70%	446	66.77%	8	0	438	229	12	194	3	0
Indiana	1052	137	13.02%	308	29.28%	607	57.70%	34	11	562	265	24	244	21	8
Iowa*	980	100	10.20%	239	24.39%	641	65.41%	0	0	641	368	27	239	7	0
Kansas	1430	83	5.80%	399	27.90%	948	66.29%	18	2	924	385	49	432	51	7
Maine	1632	82	5.02%	387	23.71%	1163	71.26%	45	48	1070	634	89	287	46	14
Maryland	2361	981	41.55%	499	21.14%	881	37.31%	6	54	821	426	17	327	40	11
Massachusetts	910	81	8.90%	285	31.32%	544	59.78%	15	22	507	254	42	184	23	4
Michigan	1538	113	7.35%	438	28.48%	987	64.17%	48	7	932	655	83	180	7	7
Minnesota	1836	208	11.33%	432	23.53%	1196	65.14%	27	0	1169	791	24	344	9	1
Missouri	779	35	4.49%	284	36.46%	460	59.05%	15	0	445	259	11	152	11	12
Montana	669	31	4.63%	220	32.88%	418	62.48%	10	1	407	224	7	154	17	5
Nebraska	1663	146	8.78%	521	31.33%	996	59.89%	22	9	965	568	57	315	16	9
Nevada*	374	33	8.82%	103	27.54%	238	63.64%	0	3	235	138	9	82	6	0
New Hampshire*	867	64	7.38%	312	35.99%	491	56.63%	0	18	473	244	13	190	18	8
New Jersey***	377	166	44.03%	48	12.73%	163	43.24%	8	0	155	99	5	49	2	0
New Mexico	987	112	11.35%	307	31.10%	568	57.55%	14	25	529	282	39	177	17	14
New York**	1796	209	11.64%	452	25.17%	1135	63.20%	45	15	1075	441	46	473	95	20
Ohio	1612	216	13.40%	373	23.14%	1023	63.46%	23	211	789	544	25	213	6	1
Oregon	977	73	7.47%	216	22.11%	688	70.42%	39	35	614	344	39	180	37	14
Pennsylvania	829	85	10.25%	186	22.44%	558	67.31%	14	4	540	286	21	225	7	1
Rhode Island	922	97	10.52%	238	25.81%	587	63.67%	20	4	562	245	24	255	32	6
Texas*	1384	213	15.39%	374	27.02%	797	57.59%	0	5	792	342	23	341	65	21
Utah	1445	74	5.12%	512	35.43%	859	59.45%	26	1	832	517	28	254	20	13
Vermont	1010	76	7.52%	301	29.80%	633	62.67%	15	4	613	314	16	239	39	5
Wisconsin	548	106	19.34%	76	13.87%	366	66.79%	7	2	357	254	26	75	0	2
Puerto Rico****	914	27	2.95%	176	19.26%	711	77.79%	34	34	643	330	65	180	46	22
32 Areas Total	38064	5383	14.14%	9933	26.10%	22751	59.77%	627	754	21361	11672	994	7705	752	238

Notes:

*States that did not collect child data: Arizona, Iowa, New Hampshire, Nevada and Texas

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

*** New Jersey will be excluded because of less than 6 months data

****Puerto Rico did not collect 6 months of consecutive data in 2018 but did collect 6 or more months of data throughout 2018 and 2019

State that did not collect adult data : Kentucky

State	BRFSS Asthma	Ineligible Not Recruited		Recruited for Call-back				Ineligible		Total Called	COIN	Eligible			Ineligible
				Refused BRFSS TERE		Agreed	Child Selected	Never Called	ACBS TERE			Lost to Follow-up			
												Contact	Technical		
California*	296	7	2%	92	31%	200	68%	0	27	173	41	6	87	0	4
Connecticut*	308	20	6%	86	28%	202	66%	0	2	200	53	5	96	8	8
Florida	352	70	20%	64	18%	218	62%	0	0	218	80	2	89	4	1
Georgia*	268	76	28%	48	18%	144	54%	0	0	144	72	4	48	4	0
Hawaii*	310	75	24%	64	21%	171	55%	0	12	159	48	5	55	2	0
Illinois*	129	22	17%	22	17%	85	66%	0	0	85	27	1	36	0	0
Indiana*	182	8	4%	45	25%	129	71%	0	1	128	42	2	60	5	7
Kansas*	286	26	9%	69	24%	191	67%	0	6	185	46	3	86	7	3
Kentucky* ***	248	41	17%	43	17%	164	66%	0	19	145	66	7	67	1	4
Maine*	219	2	1%	48	22%	169	77%	0	55	114	44	11	39	2	6
Maryland* **	138	27	20%	36	26%	75	54%	0	2	73	18	2	41	3	1
Massachusetts* **	86	1	1%	25	29%	60	70%	0	8	52	18	2	28	2	1
Michigan	322	3	1%	74	23%	245	76%	0	3	242	104	23	55	3	21
Minnesota	340	66	19%	69	20%	205	60%	0	0	205	105	2	65	1	0
Missouri*	122	24	20%	27	22%	71	58%	0	0	71	25	4	29	0	1
Montana*	103	10	10%	22	21%	71	69%	0	0	71	27	0	27	1	0
Nebraska*	261	35	13%	45	17%	181	69%	0	2	179	69	7	63	3	0
New Jersey*	75	25	33%	12	16%	38	51%	0	0	38	19	3	12	0	0
New Mexico*	184	50	27%	8	4%	126	68%	0	2	124	39	9	46	5	6
New York* **	296	3	1%	82	28%	211	71%	0	10	201	51	6	100	8	3
Ohio	313	48	15%	60	19%	205	66%	0	45	160	78	4	44	2	0
Oregon*	144	1	1%	28	19%	115	80%	0	17	98	45	5	41	6	1
Pennsylvania*	178	19	11%	26	15%	133	75%	0	0	133	43	4	49	1	2
Rhode Island*	137	3	2%	41	30%	93	68%	0	3	90	24	5	44	4	0
Utah	330	42	13%	83	25%	205	62%	0	0	205	92	4	56	8	1
Vermont*	168	4	2%	46	27%	118	70%	0	1	117	54	1	45	2	0
Wisconsin*	111	18	16%	16	14%	77	69%	0	1	76	34	3	26	1	1
Puerto Rico*	294	32	11%	39	13%	223	76%	0	27	196	72	10	50	13	8
28 Areas Total	6200	758	12%	1320	21%	4125	67%	0	243	3882	1436	140	1484	96	79

Notes:
* Child data for California, Connecticut, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Missouri, Montana, Nebraska, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont, Wisconsin, and Puerto Rico were not included in the public release data file because of having too few records (< 75) to produce reliable weights
** States only included in version 1 of the sample split: Maryland, Massachusetts, and New York
*** State that did not collect adult data: Kentucky
States that did not collect child data: Arizona, Iowa, New Hampshire, Nevada, and Texas

Table 2.1 ACBS 2018 Response Rates by State/Territory: Adult Landline and Cell Phone Sample				
STATE	COMPLETION RATE	COOPERATION RATE	REFUSAL RATE	CASRO RATE
Arizona*	91.70%	37.00%	50.19%	30.01%
California	85.55%	42.47%	48.32%	35.75%
Connecticut	94.63%	42.83%	43.58%	33.48%
Florida	94.41%	64.71%	29.12%	53.39%
Georgia	94.65%	63.54%	33.39%	58.18%
Hawaii	95.65%	47.48%	41.51%	37.64%
Illinois	95.02%	56.13%	31.54%	40.81%
Indiana	91.70%	44.39%	43.86%	35.01%
Iowa*	93.16%	57.86%	32.04%	44.32%
Kansas	88.71%	46.00%	36.68%	31.52%
Maine	87.69%	56.86%	34.64%	46.14%
Maryland	96.16%	45.03%	49.11%	40.54%
Massachusetts	85.81%	43.64%	44.94%	34.91%
Michigan	88.75%	55.37%	39.26%	49.35%
Minnesota	97.06%	63.43%	29.99%	52.01%
Missouri	95.93%	46.58%	42.97%	37.72%
Montana	96.97%	49.67%	38.27%	37.77%
Nebraska	90.88%	49.52%	41.25%	40.54%
Nevada*	93.88%	54.98%	34.92%	43.03%
New Hampshire*	94.94%	42.81%	44.95%	33.75%
New Jersey***	95.19%	65.13%	30.98%	57.87%
New Mexico	87.85%	44.69%	45.76%	37.29%
New York**	90.55%	46.67%	38.44%	34.04%
Ohio	95.61%	57.75%	37.40%	51.12%
Oregon	89.82%	57.33%	33.92%	45.76%
Pennsylvania	93.16%	58.01%	31.07%	42.92%
Rhode Island	91.08%	47.85%	37.29%	34.87%
Texas*	93.70%	45.78%	40.33%	34.74%
Utah	94.86%	48.87%	42.07%	40.28%
Vermont	95.15%	49.76%	37.51%	37.15%
Wisconsin	90.71%	71.35%	24.95%	62.12%
Puerto Rico****	83.54%	57.19%	32.33%	44.27%
32 Areas Total	92.15%	51.46%	38.96%	41.61%
Notes:				
*States that did not collect child data: Arizona, Iowa, New Hampshire, Nevada and Texas				
** States only included in version 1 of sample split: New York				
*** New Jersey will be excluded because of less than 6 months data				
****Puerto Rico did not collect 6 months of consecutive data in 2018 but did collect 6 or more months of data throughout 2018 and 2019				
State that did not collect adult data : Kentucky				

Table 2.2 ACBS 2018 Response Rates by State/Territory: Child Landline and Cell Phone Sample

STATE	COMPLETION RATE	COOPERATION RATE	REFUSAL RATE	CASRO RATE
California*	87.23%	29.50%	56.34%	23.57%
Connecticut*	91.38%	35.33%	46.64%	27.16%
Florida	97.56%	54.79%	35.65%	43.22%
Georgia*	94.74%	58.06%	35.25%	48.81%
Hawaii*	90.57%	41.03%	51.89%	36.09%
Illinois*	96.43%	54.00%	35.83%	42.06%
Indiana*	95.45%	47.19%	36.51%	32.63%
Kansas*	93.88%	38.98%	46.53%	29.73%
Kentucky* ***	90.41%	56.90%	32.84%	43.35%
Maine*	80.00%	42.72%	49.03%	36.56%
Maryland* **	90.00%	31.03%	53.39%	25.29%
Massachusetts* **	90.00%	40.00%	41.95%	27.97%
Michigan	81.89%	51.49%	40.46%	43.38%
Minnesota	98.13%	59.66%	33.74%	49.89%
Missouri*	86.21%	44.64%	45.10%	36.37%
Montana*	100.00%	55.10%	34.77%	42.68%
Nebraska*	90.79%	57.02%	33.67%	44.68%
New Jersey*	86.36%	55.88%	38.29%	48.50%
New Mexico*	81.25%	69.64%	22.49%	51.60%
New York* **	89.47%	36.17%	44.65%	25.88%
Ohio	95.12%	54.93%	39.94%	48.68%
Oregon*	90.00%	57.69%	29.45%	40.16%
Pennsylvania*	91.49%	58.90%	31.24%	44.77%
Rhode Island*	82.76%	32.88%	46.46%	24.24%
Utah	95.83%	51.40%	40.93%	43.28%
Vermont*	98.18%	53.47%	34.69%	39.86%
Wisconsin*	91.89%	64.15%	28.07%	50.23%
Puerto Rico*	87.80%	59.50%	33.13%	48.68%
28 Areas Total	91.12%	49.35%	39.99%	39.34%

Notes:

* Child data for California, Connecticut, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Missouri, Montana, Nebraska, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont, Wisconsin, and Puerto Rico were not included in the public release data file because of having too few records (< 75) to produce reliable weights

** States only included in version 1 of the sample split: Maryland, Massachusetts, and New York

***State that did not collect adult data: Kentucky

States that did not collect child data: Arizona, Iowa, New Hampshire, Nevada, and Texas

Table 3.1 ACBS 2018 Completed Interviews by State/Territory and Month: Adult Landline and Cell Phone Sample

STATE	2018												2019						TOTAL
	2018JAN	2018FEB	2018MAR	2018APR	2018MAY	2018JUN	2018JUL	2018AUG	2018SEP	2018OCT	2018NOV	2018DEC	2019JAN	2019FEB	2019MAR	2019APR	2019MAY	2019JUN	
Arizona*	16	16	23	25	17	9	32	24	20	14	8	5	23	232
California	.	.	7	66	25	73	10	28	13	7	65	28	11	28	361
Connecticut	7	21	18	65	30	15	46	39	29	36	30	15	37	.	.	.	.	388
Florida	65	89	48	46	45	70	63	65	38	21	55	86	2	.	.	.	.	693
Georgia	10	36	32	46	37	35	5	.	.	22	7	.	.	.	.	.	.	230
Hawaii	10	14	31	17	35	30	26	34	29	50	34	19	1	.	.	.	.	330
Illinois	.	.	35	22	24	20	12	12	16	20	20	21	20	7	.	.	.	229	
Indiana	.	19	5	28	36	13	28	21	23	25	24	20	23	.	.	.	.	265
Iowa*	.	32	20	24	28	38	50	38	37	35	19	26	21	.	.	.	.	368
Kansas	.	.	.	.	79	15	41	24	105	20	24	30	47	.	.	.	.	385
Maine	.	74	25	55	42	41	72	87	71	90	43	34	.	.	.	.	.	634
Maryland	.	.	.	39	70	51	84	40	53	45	17	8	19	.	.	.	.	426
Massachusetts	28	20	16	24	17	17	21	14	14	29	21	33	.	.	.	.	.	254
Michigan	.	9	71	50	33	62	46	42	56	52	40	57	49	55	31	2	.	655	
Minnesota	10	144	104	99	52	74	49	36	42	56	59	50	16	.	.	.	.	791
Missouri	.	.	.	.	56	7	14	8	9	15	4	39	101	6	.	.	.	259
Montana	.	.	.	.	33	6	32	14	5	24	8	15	66	21	.	.	.	224
Nebraska	.	23	70	51	53	73	47	38	24	51	40	50	7	31	10	.	.	568	
Nevada*	.	18	16	4	17	10	12	15	6	10	9	14	4	3	.	.	.	138	
New Hampshire*	5	17	14	42	16	5	30	21	13	27	31	23	.	.	.	.	.	244
New Jersey***	.	29	69	1	.	.	.	.	.	.	.	.	.	.	.	.	.	99
New Mexico	.	.	40	5	.	.	.	38	37	48	33	21	59	1	.	.	.	282	
New York**	.	5	24	52	46	34	54	44	39	41	45	19	38	.	.	.	.	441
Ohio	42	97	77	.	46	38	15	33	51	52	44	49	.	.	.	.	.	544
Oregon	.	35	31	18	24	29	18	20	32	47	52	38	.	.	.	.	.	344
Pennsylvania	.	.	.	.	39	20	39	26	37	55	40	26	4	.	.	.	.	286
Rhode Island	4	13	11	41	24	14	30	23	12	28	24	13	8	.	.	.	.	245
Texas*	.	6	8	48	48	11	43	49	35	34	28	16	16	.	.	.	.	342
Utah	.	.	17	81	46	47	12	78	7	77	27	18	88	19	.	.	.	517	
Vermont	8	25	21	39	30	15	38	25	17	42	25	14	15	.	.	.	.	314
Wisconsin	.	20	34	22	21	28	23	25	18	8	22	5	16	11	1	.	.	254	
Puerto Rico****	24	61	23	41	59	8	105	8	1	330
AREA TOTAL	205	762	867	1010	1030	919	973	974	877	1087	974	829	754	245	50	107	8	1	11672

Notes:

*States that did not collect child data: Arizona, Iowa, New Hampshire, Nevada and Texas

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

*** New Jersey will be excluded because of less than 6 months data

****Puerto Rico did not collect 6 months of consecutive data in 2018 but did collect 6 or more months of data throughout 2018 and 2019

State that did not collect adult data : Kentucky

Table 3.2 ACBS 2018 Completed Interviews by State/Territory and Month: Child Landline and Cell Phone Sample

STATE	2018												2019				TOTAL		
	2018JAN	2018FEB	2018MAR	2018APR	2018MAY	2018JUN	2018JUL	2018AUG	2018SEP	2018OCT	2018NOV	2018DEC	2019JAN	2019FEB	2019MAR	2019APR		2019MAY	2019AUG
California*	.	.	.	10	2	11	2	2	.	.	5	5	2	2	.	.	.	.	41
Connecticut*	3	2	6	4	4	4	6	7	2	3	6	3	3	.	.	.	.	.	53
Florida	5	11	2	7	4	12	5	10	6	2	7	9	.	.	.	.	.	.	80
Georgia*	.	7	5	9	5	9	2	4	7	15	6	3	.	.	.	.	.	.	72
Hawaii*	.	3	4	4	2	6	4	4	4	6	7	4	.	.	.	.	.	.	48
Illinois*	.	.	5	5	1	2	.	2	3	4	5	.	.	.	.	.	.	.	27
Indiana*	.	3	.	3	7	2	.	6	6	3	6	1	5	.	.	.	.	.	42
Kansas*	.	.	.	.	5	.	3	6	15	8	6	3	.	.	.	.	.	.	46
Kentucky***	.	3	5	4	3	5	4	4	3	11	2	2	10	5	3	2	.	.	66
Maine*	.	4	3	1	1	6	7	7	3	8	3	1	.	.	.	.	.	.	44
Maryland**	.	.	.	2	1	1	2	1	4	4	3	.	.	.	.	.	.	.	18
Massachusetts**	3	2	2	.	1	1	1	1	1	3	3	.	.	.	.	.	.	.	18
Michigan	.	1	8	8	3	10	5	6	10	6	7	11	10	12	7	.	.	.	104
Minnesota	.	22	19	15	5	9	5	4	4	6	9	5	2	.	.	.	.	.	105
Missouri*	.	.	.	.	.	2	1	.	.	3	2	4	12	1	.	.	.	.	25
Montana*	.	.	.	.	.	2	6	2	.	3	.	2	4	8	.	.	.	.	27
Nebraska*	.	2	13	7	5	4	6	5	1	3	7	4	.	8	4	.	.	.	69
New Jersey*	.	7	12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	19
New Mexico*	.	.	.	.	.	.	.	.	8	8	8	8	7	.	.	.	.	.	39
New York***	.	1	6	6	2	4	2	4	8	5	8	2	3	.	.	.	.	.	51
Ohio	10	11	9	.	8	11	2	9	5	2	9	2	.	.	.	.	.	.	78
Oregon*	.	7	1	.	5	3	.	4	3	10	7	5	.	.	.	.	.	.	45
Pennsylvania*	.	.	.	.	.	3	2	4	3	9	9	6	6	1	.	.	.	.	43
Rhode Island*	2	1	2	6	2	.	1	2	2	1	1	2	2	.	.	.	.	.	24
Utah	.	.	.	.	.	32	4	14	.	15	10	5	12	.	.	.	.	.	92
Vermont*	2	5	3	6	6	2	10	3	5	7	.	.	.	.	.	.	.	.	54
Wisconsin*	.	4	9	2	.	3	7	2	.	.	2	1	3	1	.	.	.	.	34
Puerto Rico*	.	.	.	.	.	.	.	.	7	5	1	3	18	13	.	22	2	1	72
STATE TOTAL	25	96	114	99	72	144	87	113	110	148	146	91	99	51	14	24	2	1	1436

Notes:

* Child data for California, Connecticut, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Missouri, Montana, Nebraska, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont, Wisconsin, and Puerto Rico were not included in the public release data file because of having too few records (< 75) to produce reliable weights

** States only included in version 1 of the sample split: Maryland, Massachusetts, and New York

*** State that did not collect adult data: Kentucky

States that did not collect child data: Arizona, Iowa, New Hampshire, Nevada, and Texas

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 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 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 Data Quality Handbook for each survey year for the definitions of all other codes in this category (http://www.cdc.gov/brfss/annual_data/annual_data.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/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 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.

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

Two data tables follow 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, 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 ever-diagnosed with asthma by state/territory

Table 1.A Percentage of ACBS adult respondent, non-respondents, and BRFSS-eligible asthma respondents by demographic groups and state/territory											
<i>ADULT</i>		<i>BRFSS</i>				<i>ACBS</i>		<i>ACBS</i>			
<i>State</i>	<i>Demographics</i>	<i>Eligible Asthma Respondents</i>				<i>Non-Respondents</i>		<i>Respondents</i>			
		<i>Sample size</i> <i>(unweighted)</i>	<i>Percent</i> <i>(unweighted)</i>	<i>Weighted total</i>	<i>Percent</i> <i>(weighted)</i>	<i>Sample size</i> <i>(unweighted)</i>	<i>Percent</i> <i>(unweighted)</i>	<i>Sample size</i> <i>(unweighted)</i>	<i>Percent</i> <i>(unweighted)</i>	<i>Weighted total</i>	<i>Percent</i> <i>(weighted)</i>
		States/areas total	Male	14,060	36.9	10,468,292	40.7	9,411	37.1	4,649	36.7
	Female	24,004	63.1	15,262,596	59.3	15,987	62.9	8,017	63.3	15,291,019	59.3
	Age 18 to 24	2,914	7.8	3,893,046	15.3	2,128	8.6	786	6.2	3,948,129	15.4
	Age 25 to 34	4,385	11.7	4,357,526	17.2	3,148	12.7	1,237	9.8	4,333,779	16.9
	Age 35 to 44	4,652	12.4	3,903,576	15.4	3,328	13.4	1,324	10.5	3,842,460	15
	Age 45 to 54	6,050	16.2	4,186,489	16.5	4,163	16.7	1,887	15	4,325,119	16.9
	Age 55 to 64	7,951	21.2	4,276,792	16.9	4,966	20	2,985	23.7	4,322,848	16.9
	Age 65 or older	11,485	30.7	4,744,892	18.7	7,125	28.7	4,360	34.7	4,809,222	18.8
	White - Non-Hispanic	27,269	73.1	15,231,760	60.4	17,657	71.1	9,612	77	16,670,401	65.6
	Black - Non-Hispanic	2,861	7.7	3,236,811	12.8	2,102	8.5	759	6.1	3,004,184	11.8
	Other race only, Non-Hispanic	2,035	5.5	1,574,661	6.2	1,495	6	540	4.3	1,129,304	4.4
	Multiracial, Non-Hispanic	1,213	3.2	483,668	1.9	793	3.2	420	3.4	540,883	2.1
	Hispanic	3,951	10.6	4,693,455	18.6	2,802	11.3	1,149	9.2	4,061,985	16
Arizona	Male	429	37	322,055	44.3	333	36.7	96	37.9	322,098	44.2
	Female	731	63	404,129	55.7	574	63.3	157	62.1	406,275	55.8
	Age 18 to 24	55	4.9	91,640	12.9	50	5.6	5	2	106,988	14.9
	Age 25 to 34	115	10.2	113,184	15.9	96	10.8	19	7.7	97,836	13.7
	Age 35 to 44	102	9	119,000	16.7	86	9.7	16	6.5	91,582	12.8

	Age 45 to 54	181	16	118,195	16.6	143	16.2	38	15.4	143,922	20.1
	Age 55 to 64	260	23	124,329	17.5	207	23.4	53	21.5	129,908	18.1
	Age 65 or older	418	37	144,889	20.4	303	34.2	115	46.7	146,060	20.4
	White - Non-Hispanic	783	69.7	436,983	61.9	592	67.5	191	77.3	494,432	69.5
	Black - Non-Hispanic	32	2.8	39,602	5.6	25	2.9	7	2.8	25,577	3.6
	Other race only, Non-Hispanic	133	11.8	53,864	7.6	110	12.5	23	9.3	69,163	9.7
	Multiracial, Non-Hispanic	31	2.8	8,568	1.2	23	2.6	8	3.2	12,486	1.8
	Hispanic	145	12.9	166,735	23.6	127	14.5	18	7.3	109,644	15.4
California	Male	761	44.3	1,931,239	43.8	591	45.6	170	40.3	1,935,626	43.8
	Female	956	55.7	2,478,198	56.2	704	54.4	252	59.7	2,481,241	56.2
	Age 18 to 24	188	11	664,720	15.2	151	11.7	37	8.8	664,720	15
	Age 25 to 34	252	14.8	752,369	17.2	206	16	46	10.9	754,591	17.1
	Age 35 to 44	254	14.9	686,648	15.7	212	16.5	42	10	708,303	16
	Age 45 to 54	282	16.5	770,418	17.6	222	17.3	60	14.2	775,931	17.6
	Age 55 to 64	325	19	691,878	15.8	229	17.8	96	22.7	693,081	15.7
	Age 65 or older	407	23.8	814,492	18.6	266	20.7	141	33.4	820,241	18.6
	White - Non-Hispanic	812	48.2	1,857,287	42.9	580	45.7	232	55.9	2,097,660	48.1
	Black - Non-Hispanic	115	6.8	383,243	8.8	87	6.9	28	6.7	439,432	10.1
	Other race only, Non-Hispanic	177	10.5	628,973	14.5	149	11.8	28	6.7	296,096	6.8
	Multiracial, Non-Hispanic	68	4	114,386	2.6	49	3.9	19	4.6	154,243	3.5
	Hispanic	511	30.4	1,349,451	31.1	403	31.8	108	26	1,376,138	31.5
Connecticut	Male	555	36.1	175,437	41.5	413	36.6	142	34.6	175,562	41.5
	Female	983	63.9	247,669	58.5	715	63.4	268	65.4	247,954	58.5
	Age 18 to 24	84	5.6	63,582	15.4	71	6.5	13	3.2	52,949	12.6
	Age 25 to 34	138	9.3	63,147	15.2	111	10.2	27	6.6	73,780	17.5
	Age 35 to 44	171	11.5	67,411	16.3	145	13.4	26	6.4	35,791	8.5

	Age 45 to 54	293	19.7	76,151	18.4	212	19.6	81	19.9	111,344	26.5
	Age 55 to 64	342	22.9	70,396	17	226	20.8	116	28.5	72,136	17.1
	Age 65 or older	463	31.1	73,446	17.7	319	29.4	144	35.4	74,674	17.8
	White - Non-Hispanic	1,103	73.5	254,508	61.5	797	72.7	306	75.7	259,511	62.7
	Black - Non-Hispanic	132	8.8	51,003	12.3	95	8.7	37	9.2	53,278	12.9
	Other race only, Non-Hispanic	69	4.6	17,354	4.2	55	5	14	3.5	18,550	4.5
	Multiracial, Non-Hispanic	23	1.5	5,347	1.3	13	1.2	10	2.5	9,249	2.2
	Hispanic	174	11.6	85,466	20.7	137	12.5	37	9.2	73,518	17.8
Florida	Male	608	34.8	589,260	34	348	34.4	260	35.4	603,723	34.5
	Female	1,139	65.2	1,146,123	66	665	65.6	474	64.6	1,146,136	65.5
	Age 18 to 24	117	6.8	154,811	9	72	7.2	45	6.1	154,811	8.8
	Age 25 to 34	188	10.9	255,431	14.9	125	12.5	63	8.6	255,431	14.6
	Age 35 to 44	203	11.7	265,697	15.5	128	12.8	75	10.2	266,586	15.2
	Age 45 to 54	275	15.9	302,958	17.7	171	17.2	104	14.2	315,676	18
	Age 55 to 64	348	20.1	354,580	20.7	183	18.4	165	22.5	357,439	20.4
	Age 65 or older	600	34.7	382,759	22.3	318	31.9	282	38.4	399,916	22.9
	White - Non-Hispanic	1,240	72.4	939,846	55.2	694	69.6	546	76.3	1,124,943	65.7
	Black - Non-Hispanic	190	11.1	262,204	15.4	130	13	60	8.4	210,156	12.3
	Other race only, Non-Hispanic	65	3.8	50,531	3	42	4.2	23	3.2	17,789	1
	Multiracial, Non-Hispanic	32	1.9	7,798	0.5	16	1.6	16	2.2	6,348	0.4
	Hispanic	186	10.9	441,765	26	115	11.5	71	9.9	352,849	20.6
Georgia	Male	370	33.7	370,436	37.7	283	33.1	87	35.8	370,436	37.7
	Female	728	66.3	611,570	62.3	572	66.9	156	64.2	611,570	62.3
	Age 18 to 24	104	9.6	172,618	17.8	85	10.1	19	7.8	143,085	14.6
	Age 25 to 34	118	10.9	155,656	16	87	10.3	31	12.8	185,189	18.9
	Age 35 to 44	144	13.3	154,513	15.9	119	14.1	25	10.3	168,380	17.1

	Age 45 to 54	164	15.1	157,315	16.2	130	15.4	34	14	150,439	15.3
	Age 55 to 64	221	20.4	162,677	16.8	171	20.3	50	20.6	166,139	16.9
	Age 65 or older	334	30.8	167,907	17.3	250	29.7	84	34.6	168,774	17.2
	White - Non-Hispanic	641	59.6	518,285	54	484	58	157	65.1	574,649	59.1
	Black - Non-Hispanic	312	29	354,043	36.9	253	30.3	59	24.5	301,815	31
	Other race only, Non-Hispanic	33	3.1	24,349	2.5	30	3.6	3	1.2	11,248	1.2
	Multiracial, Non-Hispanic	30	2.8	14,981	1.6	25	3	5	2.1	14,176	1.5
	Hispanic	59	5.5	48,979	5.1	42	5	17	7.1	71,166	7.3
Hawaii	Male	500	40.2	79,535	44	354	39.4	146	42.3	79,790	44
	Female	744	59.8	101,117	56	545	60.6	199	57.7	101,350	56
	Age 18 to 24	118	9.7	28,830	16.2	103	11.7	15	4.4	23,623	13.2
	Age 25 to 34	170	13.9	34,943	19.7	128	14.5	42	12.3	40,332	22.6
	Age 35 to 44	140	11.5	24,963	14	108	12.3	32	9.4	25,329	14.2
	Age 45 to 54	192	15.7	22,909	12.9	146	16.6	46	13.5	22,532	12.6
	Age 55 to 64	243	19.9	30,457	17.1	168	19.1	75	21.9	31,045	17.4
	Age 65 or older	359	29.4	35,621	20	227	25.8	132	38.6	35,798	20
	White - Non-Hispanic	322	26.1	34,981	19.5	221	24.8	101	29.4	36,473	20.2
	Black - Non-Hispanic	10	0.8	1,717	1	6	0.7	4	1.2	5,293	2.9
	Other race only, Non-Hispanic	464	37.6	81,777	45.5	344	38.6	120	35	71,489	39.5
	Multiracial, Non-Hispanic	287	23.3	37,073	20.6	202	22.7	85	24.8	39,098	21.6
	Hispanic	151	12.2	24,077	13.4	118	13.2	33	9.6	28,481	15.7
Illinois	Male	273	40.9	503,927	41.7	173	40.5	100	41.5	503,927	41.6
	Female	395	59.1	705,413	58.3	254	59.5	141	58.5	707,326	58.4
	Age 18 to 24	57	8.6	173,274	14.5	35	8.3	22	9.2	209,849	17.4
	Age 25 to 34	93	14	217,875	18.2	70	16.6	23	9.6	181,300	15.1
	Age 35 to 44	93	14	195,651	16.3	66	15.6	27	11.3	195,651	16.3

	Age 45 to 54	101	15.3	176,835	14.8	69	16.4	32	13.3	178,509	14.8
	Age 55 to 64	143	21.6	216,223	18	83	19.7	60	25	216,631	18
	Age 65 or older	175	26.4	218,647	18.2	99	23.5	76	31.7	221,070	18.4
	White - Non-Hispanic	428	64.5	756,538	62.8	269	63.3	159	66.5	799,316	66.3
	Black - Non-Hispanic	130	19.6	262,013	21.7	83	19.5	47	19.7	252,106	20.9
	Other race only, Non-Hispanic	20	3	37,413	3.1	17	4	3	1.3	27,532	2.3
	Multiracial, Non-Hispanic	18	2.7	18,118	1.5	10	2.4	8	3.3	18,847	1.6
	Hispanic	68	10.2	130,738	10.9	46	10.8	22	9.2	107,864	8.9
Indiana	Male	350	33.3	263,999	37.5	253	33.2	97	33.6	263,999	37.5
	Female	702	66.7	439,512	62.5	510	66.8	192	66.4	439,512	62.5
	Age 18 to 24	57	5.6	95,310	13.9	42	5.7	15	5.3	110,052	16
	Age 25 to 34	92	9	123,953	18.1	71	9.6	21	7.4	109,211	15.9
	Age 35 to 44	105	10.3	102,183	14.9	76	10.3	29	10.3	96,521	14.1
	Age 45 to 54	182	17.8	123,471	18	130	17.6	52	18.4	134,948	19.7
	Age 55 to 64	218	21.4	114,621	16.8	153	20.7	65	23	112,876	16.4
	Age 65 or older	366	35.9	124,562	18.2	266	36	100	35.5	122,630	17.9
	White - Non-Hispanic	828	80.5	553,754	80.2	602	81	226	79	568,846	81.6
	Black - Non-Hispanic	95	9.2	76,254	11	61	8.2	34	11.9	82,658	11.9
	Other race only, Non-Hispanic	38	3.7	14,800	2.1	28	3.8	10	3.5	18,935	2.7
	Multiracial, Non-Hispanic	34	3.3	10,858	1.6	25	3.4	9	3.1	10,501	1.5
	Hispanic	34	3.3	34,451	5	27	3.6	7	2.4	16,365	2.3
Iowa	Male	405	41.3	118,863	43.2	241	41.2	164	41.5	118,963	43.1
	Female	575	58.7	156,549	56.8	344	58.8	231	58.5	156,970	56.9
	Age 18 to 24	98	10.1	52,022	19	74	12.8	24	6.1	40,285	14.7
	Age 25 to 34	128	13.2	49,175	18	73	12.6	55	14	60,912	22.2
	Age 35 to 44	128	13.2	39,664	14.5	79	13.7	49	12.5	40,270	14.7

	Age 45 to 54	155	16	41,242	15.1	90	15.6	65	16.6	41,711	15.2
	Age 55 to 64	190	19.6	41,283	15.1	107	18.5	83	21.2	41,661	15.2
	Age 65 or older	271	27.9	49,758	18.2	155	26.8	116	29.6	49,963	18.2
	White - Non-Hispanic	861	88.6	231,997	84.8	508	87.7	353	89.8	236,921	86.3
	Black - Non-Hispanic	31	3.2	17,273	6.3	22	3.8	9	2.3	12,260	4.5
	Other race only, Non-Hispanic	20	2.1	8,202	3	12	2.1	8	2	8,586	3.1
	Multiracial, Non-Hispanic	32	3.3	7,752	2.8	18	3.1	14	3.6	8,119	3
	Hispanic	28	2.9	8,401	3.1	19	3.3	9	2.3	8,802	3.2
Kansas	Male	539	37.7	121,263	38.9	385	38.7	154	35.5	121,918	39
	Female	891	62.3	190,452	61.1	611	61.3	280	64.5	190,779	61
	Age 18 to 24	131	9.3	62,366	20.2	101	10.3	30	7	62,366	20
	Age 25 to 34	166	11.8	57,954	18.8	132	13.5	34	7.9	58,493	18.8
	Age 35 to 44	166	11.8	46,669	15.1	124	12.6	42	9.8	46,669	15
	Age 45 to 54	214	15.2	42,892	13.9	156	15.9	58	13.5	43,665	14
	Age 55 to 64	268	19	44,457	14.4	179	18.2	89	20.7	45,179	14.5
	Age 65 or older	466	33	54,702	17.7	289	29.5	177	41.2	54,710	17.6
	White - Non-Hispanic	1,202	84.7	245,722	79.3	828	84	374	86.4	248,350	79.7
	Black - Non-Hispanic	74	5.2	20,268	6.5	59	6	15	3.5	13,947	4.5
	Other race only, Non-Hispanic	37	2.6	8,869	2.9	24	2.4	13	3	9,247	3
	Multiracial, Non-Hispanic	41	2.9	10,694	3.5	27	2.7	14	3.2	19,442	6.2
	Hispanic	65	4.6	24,386	7.9	48	4.9	17	3.9	20,759	6.7
Maine	Male	548	33.6	71,935	40.5	315	34.7	233	32.2	71,935	40.5
	Female	1,084	66.4	105,766	59.5	594	65.3	490	67.8	105,766	59.5
	Age 18 to 24	81	5	29,737	16.9	56	6.3	25	3.5	29,737	16.7
	Age 25 to 34	151	9.4	32,049	18.2	91	10.2	60	8.3	32,049	18
	Age 35 to 44	173	10.7	26,732	15.1	121	13.6	52	7.2	26,732	15.1

	Age 45 to 54	228	14.2	26,758	15.2	124	13.9	104	14.5	27,402	15.4
	Age 55 to 64	353	21.9	28,395	16.1	174	19.5	179	24.9	28,336	16
	Age 65 or older	625	38.8	32,806	18.6	326	36.5	299	41.6	33,323	18.8
	White - Non-Hispanic	1,464	92	162,989	92.9	809	91.6	655	92.4	161,966	91.5
	Black - Non-Hispanic	11	0.7	2,202	1.3	5	0.6	6	0.8	6,231	3.5
	Other race only, Non-Hispanic	44	2.8	4,171	2.4	29	3.3	15	2.1	2,805	1.6
	Multiracial, Non-Hispanic	51	3.2	3,763	2.1	26	2.9	25	3.5	5,410	3.1
	Hispanic	22	1.4	2,343	1.3	14	1.6	8	1.1	614	0.3
Maryland	Male	783	33.2	280,139	41.1	644	33.6	139	31.4	280,175	41.1
	Female	1,578	66.8	401,562	58.9	1,274	66.4	304	68.6	402,009	58.9
	Age 18 to 24	121	5.3	111,262	16.7	101	5.4	20	4.6	110,722	16.5
	Age 25 to 34	206	9	132,717	19.9	175	9.4	31	7.1	133,256	19.9
	Age 35 to 44	242	10.5	103,759	15.5	196	10.5	46	10.5	105,603	15.7
	Age 45 to 54	376	16.3	107,466	16.1	312	16.7	64	14.6	110,985	16.5
	Age 55 to 64	533	23.2	106,269	15.9	434	23.3	99	22.7	103,134	15.4
	Age 65 or older	822	35.7	106,189	15.9	645	34.6	177	40.5	107,182	16
	White - Non-Hispanic	1,539	66.5	338,862	50.1	1,230	65.5	309	70.5	380,029	56
	Black - Non-Hispanic	540	23.3	235,586	34.9	456	24.3	84	19.2	187,110	27.6
	Other race only, Non-Hispanic	78	3.4	30,033	4.4	65	3.5	13	3	38,625	5.7
	Multiracial, Non-Hispanic	58	2.5	10,816	1.6	44	2.3	14	3.2	13,556	2
	Hispanic	101	4.4	60,417	8.9	83	4.4	18	4.1	59,447	8.8
Massachusetts	Male	344	37.8	309,660	41	228	37.1	116	39.2	309,660	41
	Female	566	62.2	445,230	59	386	62.9	180	60.8	445,230	59
	Age 18 to 24	72	8.1	116,721	15.9	56	9.4	16	5.5	114,335	15.4
	Age 25 to 34	107	12.1	138,816	18.9	81	13.6	26	8.9	141,202	19
	Age 35 to 44	111	12.5	112,122	15.2	74	12.5	37	12.7	116,146	15.6

	Age 45 to 54	146	16.5	116,889	15.9	95	16	51	17.5	115,652	15.6
	Age 55 to 64	181	20.5	112,008	15.2	122	20.5	59	20.3	113,275	15.3
	Age 65 or older	268	30.3	139,367	18.9	166	27.9	102	35.1	142,168	19.1
	White - Non-Hispanic	700	78.9	564,907	76.7	456	76.3	244	84.4	615,899	82.5
	Black - Non-Hispanic	47	5.3	39,588	5.4	34	5.7	13	4.5	44,810	6
	Other race only, Non-Hispanic	28	3.2	27,991	3.8	20	3.3	8	2.8	24,003	3.2
	Multiracial, Non-Hispanic	21	2.4	13,845	1.9	11	1.8	10	3.5	23,069	3.1
	Hispanic	91	10.3	90,175	12.2	77	12.9	14	4.8	38,485	5.2
Michigan	Male	614	39.9	508,091	42.1	318	39.8	296	40.1	510,268	42.1
	Female	924	60.1	698,472	57.9	482	60.3	442	59.9	700,698	57.9
	Age 18 to 24	158	10.4	189,363	16	102	13	56	7.6	190,950	16
	Age 25 to 34	213	14.1	211,787	17.9	124	15.9	89	12.1	213,098	17.8
	Age 35 to 44	203	13.4	195,688	16.5	120	15.3	83	11.3	191,619	16
	Age 45 to 54	244	16.1	196,468	16.6	136	17.4	108	14.7	201,206	16.8
	Age 55 to 64	315	20.8	195,827	16.5	135	17.3	180	24.6	195,774	16.4
	Age 65 or older	382	25.2	196,058	16.5	165	21.1	217	29.6	203,815	17
	White - Non-Hispanic	1,172	77.7	861,651	73.3	587	75.4	585	80.1	891,494	74.9
	Black - Non-Hispanic	191	12.7	211,119	18	114	14.6	77	10.5	185,626	15.6
	Other race only, Non-Hispanic	46	3	32,348	2.8	20	2.6	26	3.6	43,178	3.6
	Multiracial, Non-Hispanic	50	3.3	22,819	1.9	31	4	19	2.6	22,740	1.9
	Hispanic	50	3.3	47,869	4.1	27	3.5	23	3.2	47,809	4
Minnesota	Male	734	40	200,750	41.4	419	41	315	38.7	201,410	41.5
	Female	1,102	60	283,661	58.6	602	59	500	61.3	284,256	58.5
	Age 18 to 24	165	9.1	70,987	14.9	93	9.3	72	8.8	70,987	14.6
	Age 25 to 34	243	13.4	91,475	19.2	145	14.6	98	12	92,217	19
	Age 35 to 44	256	14.1	72,756	15.3	150	15.1	106	13	75,897	15.6

	Age 45 to 54	287	15.9	73,001	15.3	156	15.7	131	16.1	76,496	15.8
	Age 55 to 64	386	21.3	84,663	17.8	205	20.6	181	22.2	84,958	17.5
	Age 65 or older	473	26.1	84,085	17.6	246	24.7	227	27.9	85,110	17.5
	White - Non-Hispanic	1,528	84.6	386,588	81.1	820	82	708	87.7	418,036	86.9
	Black - Non-Hispanic	83	4.6	39,291	8.2	60	6	23	2.9	16,676	3.5
	Other race only, Non-Hispanic	93	5.1	29,383	6.2	62	6.2	31	3.8	26,182	5.4
	Multiracial, Non-Hispanic	38	2.1	7,361	1.5	18	1.8	20	2.5	7,881	1.6
	Hispanic	65	3.6	14,310	3	40	4	25	3.1	12,396	2.6
Missouri	Male	248	31.8	224,358	36.1	167	32.8	81	30	224,358	36
	Female	531	68.2	397,655	63.9	342	67.2	189	70	398,284	64
	Age 18 to 24	43	5.6	86,265	14	25	5	18	6.7	98,660	15.9
	Age 25 to 34	71	9.2	117,169	19	52	10.3	19	7.1	105,402	17
	Age 35 to 44	84	10.9	99,188	16.1	67	13.3	17	6.3	58,518	9.4
	Age 45 to 54	103	13.3	88,571	14.4	63	12.5	40	14.9	133,457	21.5
	Age 55 to 64	171	22.2	114,564	18.6	111	22	60	22.4	114,564	18.5
	Age 65 or older	300	38.9	110,940	18	186	36.9	114	42.5	109,397	17.6
	White - Non-Hispanic	636	83.5	484,165	79.5	409	82.5	227	85.3	512,587	83.4
	Black - Non-Hispanic	85	11.2	85,926	14.1	58	11.7	27	10.2	63,988	10.4
	Other race only, Non-Hispanic	13	1.7	16,193	2.7	10	2	3	1.1	22,152	3.6
	Multiracial, Non-Hispanic	13	1.7	7,031	1.2	9	1.8	4	1.5	8,755	1.4
	Hispanic	15	2	15,435	2.5	10	2	5	1.9	6,908	1.1
Montana	Male	263	39.3	49,692	44.2	171	39	92	39.8	49,692	44.1
	Female	406	60.7	62,771	55.8	267	61	139	60.2	62,953	55.9
	Age 18 to 24	51	7.7	15,904	14.3	38	8.8	13	5.7	13,326	11.9
	Age 25 to 34	74	11.2	21,602	19.4	50	11.6	24	10.4	24,211	21.6
	Age 35 to 44	83	12.6	16,170	14.5	60	14	23	10	16,170	14.4

	Age 45 to 54	106	16.1	17,676	15.9	67	15.6	39	17	17,983	16
	Age 55 to 64	148	22.4	20,168	18.1	90	20.9	58	25.2	20,173	18
	Age 65 or older	198	30	19,721	17.7	125	29.1	73	31.7	20,382	18.2
	White - Non-Hispanic	514	78	94,069	85.1	345	79.7	169	74.8	90,181	81
	Black - Non-Hispanic	2	0.3	475	0.4	1	0.2	1	0.4	683	0.6
	Other race only, Non-Hispanic	100	15.2	9,015	8.2	60	13.9	40	17.7	11,937	10.7
	Multiracial, Non-Hispanic	26	3.9	3,108	2.8	15	3.5	11	4.9	3,667	3.3
	Hispanic	17	2.6	3,849	3.5	12	2.8	5	2.2	4,806	4.3
Nebraska	Male	619	37.2	77,471	41.3	385	37.1	234	37.4	77,982	41.5
	Female	1,044	62.8	109,935	58.7	653	62.9	391	62.6	110,000	58.5
	Age 18 to 24	125	7.6	29,579	15.8	93	9	32	5.1	29,579	15.7
	Age 25 to 34	211	12.8	35,103	18.8	138	13.4	73	11.7	35,221	18.7
	Age 35 to 44	198	12	27,353	14.7	132	12.8	66	10.6	27,841	14.8
	Age 45 to 54	240	14.5	31,064	16.6	151	14.7	89	14.3	31,455	16.7
	Age 55 to 64	314	19	30,179	16.2	178	17.3	136	21.8	30,364	16.2
	Age 65 or older	565	34.2	33,417	17.9	337	32.8	228	36.5	33,520	17.8
	White - Non-Hispanic	1,444	87.9	155,237	84.3	901	87.8	543	88.1	157,838	85.7
	Black - Non-Hispanic	40	2.4	9,590	5.2	25	2.4	15	2.4	7,996	4.3
	Other race only, Non-Hispanic	45	2.7	3,982	2.2	26	2.5	19	3.1	4,857	2.6
	Multiracial, Non-Hispanic	31	1.9	6,062	3.3	23	2.2	8	1.3	3,757	2
	Hispanic	82	5	9,260	5	51	5	31	5	9,811	5.3
Nevada	Male	139	37.2	102,079	38.9	87	38.3	52	35.4	102,079	38.9
	Female	235	62.8	160,035	61.1	140	61.7	95	64.6	160,035	61.1
	Age 18 to 24	38	10.4	42,202	16.3	24	10.9	14	9.6	51,415	19.7
	Age 25 to 34	48	13.1	44,536	17.2	30	13.6	18	12.3	35,324	13.5
	Age 35 to 44	42	11.5	45,795	17.7	27	12.3	15	10.3	31,995	12.3

	Age 45 to 54	53	14.5	34,411	13.3	30	13.6	23	15.8	51,314	19.6
	Age 55 to 64	83	22.7	52,761	20.4	47	21.4	36	24.7	47,451	18.2
	Age 65 or older	102	27.9	38,874	15	62	28.2	40	27.4	43,681	16.7
	White - Non-Hispanic	234	64.1	121,780	47.6	130	59.1	104	71.7	173,439	66.6
	Black - Non-Hispanic	18	4.9	23,311	9.1	13	5.9	5	3.4	12,169	4.7
	Other race only, Non-Hispanic	29	7.9	43,190	16.9	22	10	7	4.8	30,153	11.6
	Multiracial, Non-Hispanic	25	6.8	7,326	2.9	16	7.3	9	6.2	6,110	2.3
	Hispanic	59	16.2	59,991	23.5	39	17.7	20	13.8	38,593	14.8
New Hampshire	Male	301	34.7	75,943	40.8	214	35.1	87	33.9	75,943	40.8
	Female	566	65.3	110,276	59.2	396	64.9	170	66.1	110,276	59.2
	Age 18 to 24	43	5.1	27,116	14.7	35	5.9	8	3.1	29,805	16
	Age 25 to 34	67	7.9	35,068	19	53	8.9	14	5.5	32,379	17.4
	Age 35 to 44	105	12.4	30,061	16.3	81	13.6	24	9.4	27,423	14.8
	Age 45 to 54	161	18.9	34,482	18.7	114	19.1	47	18.5	37,945	20.4
	Age 55 to 64	197	23.2	29,541	16	134	22.5	63	24.8	29,992	16.1
	Age 65 or older	277	32.6	28,076	15.2	179	30	98	38.6	28,225	15.2
	White - Non-Hispanic	790	92.7	167,539	91.2	556	92.8	234	92.5	176,925	95.7
	Black - Non-Hispanic	5	0.6	1,783	1	4	0.7	1	0.4	1,347	0.7
	Other race only, Non-Hispanic	23	2.7	4,395	2.4	14	2.3	9	3.6	2,436	1.3
	Multiracial, Non-Hispanic	20	2.3	3,225	1.8	12	2	8	3.2	3,341	1.8
	Hispanic	14	1.6	6,796	3.7	13	2.2	1	0.4	842	0.5
New Mexico	Male	369	37.4	94,911	39.4	252	37.8	117	36.4	95,061	39.3
	Female	618	62.6	146,202	60.6	414	62.2	204	63.6	146,757	60.7
	Age 18 to 24	76	7.7	39,445	16.5	56	8.5	20	6.2	45,414	18.8
	Age 25 to 34	112	11.4	37,842	15.8	87	13.2	25	7.8	31,874	13.2
	Age 35 to 44	101	10.3	28,095	11.7	74	11.2	27	8.4	28,245	11.7

	Age 45 to 54	158	16.1	39,180	16.3	113	17.1	45	14	40,185	16.6
	Age 55 to 64	216	22	40,864	17	135	20.4	81	25.2	41,711	17.2
	Age 65 or older	319	32.5	54,360	22.7	196	29.7	123	38.3	54,390	22.5
	White - Non-Hispanic	539	55.9	105,623	44.8	345	53.4	194	61	120,618	50.2
	Black - Non-Hispanic	15	1.6	2,688	1.1	12	1.9	3	0.9	739	0.3
	Other race only, Non-Hispanic	110	11.4	24,222	10.3	82	12.7	28	8.8	13,411	5.6
	Multiracial, Non-Hispanic	14	1.5	3,093	1.3	9	1.4	5	1.6	4,001	1.7
	Hispanic	286	29.7	100,232	42.5	198	30.7	88	27.7	101,400	42.2
New York	Male	676	37.6	938,886	39.8	478	36.5	198	40.7	938,886	39.8
	Female	1,120	62.4	1,420,233	60.2	831	63.5	289	59.3	1,420,233	60.2
	Age 18 to 24	146	8.4	361,651	15.9	117	9.4	29	6.1	361,651	15.7
	Age 25 to 34	218	12.6	457,037	20.1	176	14.1	42	8.8	460,154	20
	Age 35 to 44	247	14.3	298,605	13.1	193	15.4	54	11.3	311,025	13.5
	Age 45 to 54	294	17	373,036	16.4	229	18.3	65	13.6	377,527	16.4
	Age 55 to 64	379	21.9	347,286	15.3	246	19.7	133	27.8	351,684	15.3
	Age 65 or older	446	25.8	436,561	19.2	290	23.2	156	32.6	437,219	19
	White - Non-Hispanic	1,330	75.9	1,313,026	57.5	934	73.5	396	82.3	1,579,548	68.5
	Black - Non-Hispanic	140	8	340,263	14.9	104	8.2	36	7.5	324,790	14.1
	Other race only, Non-Hispanic	79	4.5	167,793	7.3	65	5.1	14	2.9	182,106	7.9
	Multiracial, Non-Hispanic	37	2.1	27,988	1.2	28	2.2	9	1.9	26,912	1.2
	Hispanic	166	9.5	435,351	19.1	140	11	26	5.4	194,089	8.4
Ohio	Male	550	34.1	495,050	43.3	367	35.2	183	32.2	495,371	43.3
	Female	1,062	65.9	647,044	56.7	676	64.8	386	67.8	648,875	56.7
	Age 18 to 24	120	7.5	193,326	17.1	83	8	37	6.5	193,326	16.9
	Age 25 to 34	133	8.3	157,082	13.9	92	8.9	41	7.2	157,082	13.7
	Age 35 to 44	183	11.4	198,332	17.5	134	13	49	8.6	198,332	17.3

	Age 45 to 54	240	15	172,622	15.2	173	16.8	67	11.8	178,068	15.6
	Age 55 to 64	379	23.7	179,068	15.8	223	21.6	156	27.4	181,060	15.8
	Age 65 or older	546	34.1	233,199	20.6	327	31.7	219	38.5	236,377	20.7
	White - Non-Hispanic	1,333	84.8	868,291	78.3	861	84.8	472	84.7	903,790	80.9
	Black - Non-Hispanic	122	7.8	149,590	13.5	84	8.3	38	6.8	109,262	9.8
	Other race only, Non-Hispanic	39	2.5	19,589	1.8	21	2.1	18	3.2	22,138	2
	Multiracial, Non-Hispanic	42	2.7	19,617	1.8	25	2.5	17	3.1	19,053	1.7
	Hispanic	36	2.3	51,781	4.7	24	2.4	12	2.2	62,752	5.6
Oregon	Male	367	37.6	224,317	41.5	223	37.5	144	37.6	224,996	41.5
	Female	610	62.4	316,744	58.5	371	62.5	239	62.4	317,144	58.5
	Age 18 to 24	70	7.3	62,916	11.8	50	8.6	20	5.3	73,925	13.7
	Age 25 to 34	142	14.8	109,726	20.6	102	17.6	40	10.5	99,396	18.5
	Age 35 to 44	137	14.3	86,410	16.2	83	14.3	54	14.2	88,530	16.4
	Age 45 to 54	176	18.3	89,969	16.9	113	19.4	63	16.6	93,805	17.4
	Age 55 to 64	175	18.2	80,586	15.1	99	17	76	20	80,586	15
	Age 65 or older	261	27.2	103,679	19.4	134	23.1	127	33.4	102,427	19
	White - Non-Hispanic	778	82.3	407,986	78.2	462	80.2	316	85.6	448,749	86.3
	Black - Non-Hispanic	12	1.3	10,172	2	8	1.4	4	1.1	6,016	1.2
	Other race only, Non-Hispanic	30	3.2	22,870	4.4	23	4	7	1.9	8,451	1.6
	Multiracial, Non-Hispanic	49	5.2	34,481	6.6	26	4.5	23	6.2	33,452	6.4
	Hispanic	76	8	45,924	8.8	57	9.9	19	5.1	23,407	4.5
Pennsylvania	Male	296	35.7	505,020	36.7	178	34.1	118	38.4	505,020	36.7
	Female	533	64.3	872,598	63.3	344	65.9	189	61.6	872,598	63.3
	Age 18 to 24	75	9.2	227,917	16.7	52	10.1	23	7.6	219,760	16.1
	Age 25 to 34	126	15.4	259,048	18.9	90	17.4	36	11.9	267,204	19.5
	Age 35 to 44	104	12.7	184,620	13.5	75	14.5	29	9.6	186,243	13.6

	Age 45 to 54	134	16.4	197,288	14.4	88	17.1	46	15.2	194,216	14.2
	Age 55 to 64	173	21.1	239,315	17.5	103	20	70	23.1	239,315	17.5
	Age 65 or older	207	25.3	259,605	19	108	20.9	99	32.7	261,465	19.1
	White - Non-Hispanic	609	74.7	999,627	73.8	369	71.8	240	79.7	1,119,294	82.7
	Black - Non-Hispanic	124	15.2	177,113	13.1	86	16.7	38	12.6	152,094	11.2
	Other race only, Non-Hispanic	17	2.1	42,184	3.1	16	3.1	1	0.3	661	0
	Multiracial, Non-Hispanic	16	2	13,596	1	7	1.4	9	3	20,291	1.5
	Hispanic	49	6	122,428	9	36	7	13	4.3	61,061	4.5
Rhode Island	Male	329	35.7	58,914	42.9	233	35.7	96	35.7	59,150	43
	Female	593	64.3	78,272	57.1	420	64.3	173	64.3	78,422	57
	Age 18 to 24	49	5.4	19,773	14.8	40	6.3	9	3.4	13,055	9.6
	Age 25 to 34	90	10	25,427	19	75	11.8	15	5.6	32,269	23.8
	Age 35 to 44	107	11.9	18,579	13.9	80	12.6	27	10.2	18,803	13.9
	Age 45 to 54	155	17.2	20,806	15.5	104	16.4	51	19.2	21,876	16.1
	Age 55 to 64	202	22.4	22,105	16.5	140	22.1	62	23.3	22,773	16.8
	Age 65 or older	297	33	27,267	20.4	195	30.8	102	38.3	26,769	19.7
	White - Non-Hispanic	721	80.2	95,744	72	499	78.7	222	83.8	102,999	76.1
	Black - Non-Hispanic	29	3.2	5,991	4.5	24	3.8	5	1.9	4,981	3.7
	Other race only, Non-Hispanic	40	4.4	8,117	6.1	30	4.7	10	3.8	7,419	5.5
	Multiracial, Non-Hispanic	26	2.9	3,052	2.3	17	2.7	9	3.4	4,205	3.1
	Hispanic	83	9.2	20,114	15.1	64	10.1	19	7.2	15,722	11.6
Texas	Male	511	36.9	961,413	44.1	369	36.2	142	38.9	961,413	43.9
	Female	873	63.1	1,216,298	55.9	650	63.8	223	61.1	1,227,378	56.1
	Age 18 to 24	119	8.8	426,583	19.9	96	9.7	23	6.4	471,032	21.8
	Age 25 to 34	146	10.8	291,739	13.6	119	12	27	7.5	247,291	11.4
	Age 35 to 44	152	11.2	312,222	14.6	123	12.4	29	8	329,662	15.3

	Age 45 to 54	198	14.6	370,490	17.3	153	15.4	45	12.5	357,834	16.6
	Age 55 to 64	287	21.2	371,499	17.3	198	19.9	89	24.7	370,682	17.2
	Age 65 or older	453	33.4	372,631	17.4	305	30.7	148	41	383,365	17.7
	White - Non-Hispanic	879	64.8	1,123,503	52.3	614	61.7	265	73.4	1,162,103	53.3
	Black - Non-Hispanic	158	11.7	270,312	12.6	121	12.2	37	10.2	299,260	13.7
	Other race only, Non-Hispanic	49	3.6	106,601	5	42	4.2	7	1.9	120,506	5.5
	Multiracial, Non-Hispanic	35	2.6	35,372	1.6	27	2.7	8	2.2	10,636	0.5
	Hispanic	235	17.3	613,730	28.6	191	19.2	44	12.2	588,846	27
Utah	Male	624	43.2	138,857	44.4	385	42.8	239	43.9	139,021	44.5
	Female	821	56.8	173,579	55.6	515	57.2	306	56.1	173,665	55.5
	Age 18 to 24	162	11.4	60,039	19.5	108	12.3	54	10	60,039	19.3
	Age 25 to 34	225	15.8	65,830	21.4	144	16.4	81	14.9	64,950	20.9
	Age 35 to 44	233	16.4	51,652	16.8	141	16.1	92	17	52,366	16.9
	Age 45 to 54	221	15.6	44,244	14.4	140	15.9	81	14.9	46,742	15.1
	Age 55 to 64	246	17.3	40,422	13.1	138	15.7	108	19.9	40,766	13.1
	Age 65 or older	333	23.5	45,359	14.7	207	23.6	126	23.2	45,523	14.7
	White - Non-Hispanic	1,255	88.8	260,119	85.6	769	87.7	486	90.7	267,135	87.9
	Black - Non-Hispanic	15	1.1	3,976	1.3	9	1	6	1.1	3,620	1.2
	Other race only, Non-Hispanic	33	2.3	6,942	2.3	21	2.4	12	2.2	6,831	2.2
	Multiracial, Non-Hispanic	16	1.1	5,983	2	10	1.1	6	1.1	6,596	2.2
	Hispanic	94	6.7	26,881	8.8	68	7.8	26	4.9	19,585	6.4
Vermont	Male	370	36.6	35,149	41.8	243	35.7	127	38.5	35,149	41.8
	Female	640	63.4	48,961	58.2	437	64.3	203	61.5	48,961	58.2
	Age 18 to 24	58	5.8	15,249	18.3	41	6.1	17	5.2	12,672	15.2
	Age 25 to 34	99	9.9	14,136	17	66	9.9	33	10.1	16,713	20.1
	Age 35 to 44	117	11.8	11,885	14.3	85	12.7	32	9.8	11,885	14.3

	Age 45 to 54	167	16.8	12,369	14.8	127	19	40	12.3	12,111	14.5
	Age 55 to 64	254	25.5	14,799	17.8	162	24.2	92	28.2	14,929	17.9
	Age 65 or older	300	30.2	14,913	17.9	188	28.1	112	34.4	14,980	18
	White - Non-Hispanic	905	91.4	76,682	92.7	605	90.8	300	92.6	75,605	91.6
	Black - Non-Hispanic	6	0.6	479	0.6	3	0.5	3	0.9	958	1.2
	Other race only, Non-Hispanic	40	4	2,900	3.5	30	4.5	10	3.1	1,823	2.2
	Multiracial, Non-Hispanic	30	3	1,185	1.4	21	3.2	9	2.8	1,438	1.7
	Hispanic	9	0.9	1,435	1.7	7	1.1	2	0.6	2,705	3.3
Wisconsin	Male	205	37.4	203,620	40.9	108	40.3	97	34.6	203,620	40.8
	Female	343	62.6	293,646	59.1	160	59.7	183	65.4	295,439	59.2
	Age 18 to 24	39	7.2	64,017	12.9	18	6.8	21	7.5	84,526	16.9
	Age 25 to 34	71	13.1	94,174	19	45	17.1	26	9.3	88,679	17.8
	Age 35 to 44	71	13.1	79,728	16.1	43	16.3	28	10	66,507	13.3
	Age 45 to 54	89	16.4	77,531	15.7	52	19.8	37	13.2	79,722	16
	Age 55 to 64	127	23.4	86,927	17.6	38	14.4	89	31.8	86,970	17.4
	Age 65 or older	146	26.9	92,654	18.7	67	25.5	79	28.2	92,654	18.6
	White - Non-Hispanic	440	82.1	398,561	82.3	214	81.7	226	82.5	396,622	83.1
	Black - Non-Hispanic	37	6.9	38,409	7.9	17	6.5	20	7.3	47,618	10
	Other race only, Non-Hispanic	23	4.3	6,487	1.3	11	4.2	12	4.4	3,483	0.7
	Multiracial, Non-Hispanic	13	2.4	9,111	1.9	6	2.3	7	2.6	8,831	1.9
	Hispanic	23	4.3	31,431	6.5	14	5.3	9	3.3	20,775	4.4
Puerto Rico**	Male	243	26.6	179,374	35.4	146	28.1	97	24.6	179,374	35.4
	Female	671	73.4	327,210	64.6	373	71.9	298	75.4	327,210	64.6
	Age 18 to 24	65	7.2	67,371	13.5	33	6.4	32	8.1	79,292	15.9
	Age 25 to 34	134	14.8	92,684	18.5	87	17	47	12	80,762	16.2
	Age 35 to 44	146	16.1	79,057	15.8	84	16.4	62	15.8	79,057	15.8

	Age 45 to 54	165	18.2	79,949	16	104	20.3	61	15.5	78,658	15.8
	Age 55 to 64	186	20.6	82,683	16.5	90	17.6	96	24.4	82,229	16.5
	Age 65 or older	209	23.1	98,823	19.7	114	22.3	95	24.2	98,823	19.8
	White - Non-Hispanic	5	0.5	3,536	0.7	4	0.8	1	0.3	1,113	0.2
	Other race only, Non-Hispanic	7	0.8	4,284	0.8	3	0.6	4	1	5,896	1.2
	Hispanic	901	98.7	497,727	98.5	511	98.6	390	98.7	499,575	98.6

Notes:*Adult: aged \geq 18

**Puerto Rico did not collect 6 consecutive months of adult data but did collect 6 or more months of data throughout 2018 and 2019 altogether.

Table 1B. Percentage of ACBS child* respondents, non-respondents, and BRFSS eligible asthma respondents by demographic groups and state/territory											
CHILD		BRFSS				ACBS		ACBS			
<i>State</i>	<i>Demographics</i>	<i>Eligible Asthma Respondents</i>				<i>Non-Respondents</i>		<i>Respondents</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	987	60.5	778,946	63.9	703	61.7	284	57.6	787,438	63.9
	Girl	645	39.5	441,009	36.1	436	38.3	209	42.4	445,273	36.1
	Age 0 to 4	122	8.6	97,125	9.2	89	9.4	33	6.9	79,732	6.5
	Age 5 to 9	317	22.3	301,212	28.6	217	23	100	20.9	355,367	29.1
	Age 10 to 14	512	36	353,762	33.6	334	35.4	178	37.2	444,759	36.4
	Age 15 to 17	471	33.1	300,433	28.5	303	32.1	168	35.1	341,626	28
	White only	1,230	76.3	730,759	62.2	841	74.8	389	79.7	873,985	71.5
	Black or African American only	207	12.8	309,645	26.3	155	13.8	52	10.7	219,269	17.9
	Other Races and Multiracial	175	10.9	135,000	11.5	128	11.4	47	9.6	128,509	10.5
Florida	Boy	204	58.6	334,187	66.3	160	60.2	44	53.7	336,578	66
	Girl	144	41.4	169,885	33.7	106	39.8	38	46.3	173,110	34
	Age 0 to 4	34	11.5	25,051	6	24	11.2	10	12.3	40,222	7.9
	Age 5 to 9	77	26	123,431	29.7	62	28.8	15	18.5	151,128	29.7
	Age 10 to 14	102	34.5	154,359	37.2	72	33.5	30	37	187,104	36.7
	Age 15 to 17	83	28	112,514	27.1	57	26.5	26	32.1	131,234	25.7
	White only	244	71.8	281,877	58.8	186	71.5	58	72.5	345,442	69.2
	Black or African American only	62	18.2	148,235	30.9	48	18.5	14	17.5	99,678	20
	Other Races and Multiracial	34	10	49,363	10.3	26	10	8	10	54,345	10.9

Michigan	Boy	199	62.4	163,580	63.7	125	65.1	74	58.3	165,254	64
	Girl	120	37.6	93,092	36.3	67	34.9	53	41.7	93,092	36
	Age 0 to 4	17	5.8	24,635	10.3	11	6.3	6	5	14,559	5.8
	Age 5 to 9	69	23.4	68,808	28.7	41	23.6	28	23.1	76,317	30.3
	Age 10 to 14	109	36.9	73,401	30.6	65	37.4	44	36.4	87,878	34.9
	Age 15 to 17	100	33.9	73,079	30.5	57	32.8	43	35.5	73,079	29
	White only	211	67.4	154,502	62.7	124	66.3	87	69	158,710	61.4
	Black or African American only	63	20.1	63,954	26	39	20.9	24	19	61,381	23.8
	Other Races and Multiracial	39	12.5	27,890	11.3	24	12.8	15	11.9	38,256	14.8
Minnesota	Boy	204	61.6	56,642	61.3	140	62.2	64	60.4	57,030	61.2
	Girl	127	38.4	35,820	38.7	85	37.8	42	39.6	36,228	38.8
	Age 0 to 4	23	8.2	11,216	13.9	17	9.7	6	5.7	6,151	6.6
	Age 5 to 9	52	18.5	21,961	27.1	33	18.8	19	18.1	28,594	30.6
	Age 10 to 14	101	35.9	18,916	23.4	66	37.5	35	33.3	21,439	22.9
	Age 15 to 17	105	37.4	28,840	35.6	60	34.1	45	42.9	37,359	39.9
	White only	262	78.9	66,619	72.9	172	76.4	90	84.1	74,128	79.2
	Black or African American only	25	7.5	10,543	11.5	21	9.3	4	3.7	3,933	4.2
	Other Races and Multiracial	45	13.6	14,217	15.6	32	14.2	13	12.1	15,484	16.6
Ohio	Boy	185	60.3	179,265	61.1	138	61.3	47	57.3	183,304	61.7
	Girl	122	39.7	113,980	38.9	87	38.7	35	42.7	113,980	38.3
	Age 0 to 4	22	8.4	29,052	11.5	18	9.9	4	4.9	10,198	3.4
	Age 5 to 9	55	20.9	70,180	27.9	36	19.9	19	23.2	80,083	26.9
	Age 10 to 14	96	36.5	83,450	33.2	61	33.7	35	42.7	124,375	41.8
	Age 15 to 17	90	34.2	69,012	27.4	66	36.5	24	29.3	82,629	27.8
	White only	231	75.5	167,298	58.4	164	73.2	67	81.7	228,509	76.9

	Black or African American only	47	15.4	83,883	29.3	39	17.4	8	9.8	51,806	17.4
	Other Races and Multiracial	28	9.2	35,180	12.3	21	9.4	7	8.5	16,969	5.7
Utah**	Boy	195	59.6	45,273	61.6	140	60.6	55	57.3	45,273	61.1
	Girl	132	40.4	28,231	38.4	91	39.4	41	42.7	28,862	38.9
	Age 0 to 4	26	9.1	7,171	11.1	19	9.6	7	7.8	8,602	12.4
	Age 5 to 9	64	22.3	16,833	26	45	22.8	19	21.1	19,245	27.8
	Age 10 to 14	104	36.2	23,636	36.6	70	35.5	34	37.8	23,963	34.7
	Age 15 to 17	93	32.4	16,990	26.3	63	32	30	33.3	17,325	25.1
	White only	282	87.9	60,463	84.2	195	85.5	87	93.5	67,197	91.9
	Black or African American only	10	3.1	3,030	4.2	8	3.5	2	2.2	2,471	3.4
	Other Races and Multiracial	29	9	8,350	11.6	25	11	4	4.3	3,456	4.7

Notes:

*Child: aged 0-17 years

**Utah did not collect 6 consecutive months of adult data but did collect 6 or more months of data throughout 2018 and 2019 altogether.

Table 2A. Estimated percentage of current asthma status among adults* ever diagnosed with asthma by state/territory								
Adult	ACBS Respondents				BRFSS Eligible Asthma Respondents			
<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	11,348	66	1.15	(63.7 - 68.2)	36,590	65.5	0.55	(64.4 - 66.6)
Arizona	226	67.8	6.54	(53.9 - 79.2)	1,125	68.1	2.34	(63.4 - 72.5)
California	362	57.5	3.69	(50.2 - 64.5)	1,689	56.4	1.61	(53.2 - 59.5)
Connecticut	375	72.6	3.49	(65.3 - 78.9)	1,490	69.9	1.67	(66.6 - 73.1)
Florida	682	60.6	4.17	(52.2 - 68.4)	1,696	65.5	2.47	(60.5 - 70.1)
Georgia	229	61.4	4.31	(52.6 - 69.4)	1,052	69.2	1.88	(65.4 - 72.7)
Hawaii	328	68.1	3.7	(60.5 - 74.9)	1,230	58.1	2	(54.2 - 62.0)
Illinois	223	66.1	4.06	(57.8 - 73.6)	654	68.4	2.17	(64.0 - 72.5)
Indiana	259	74.9	3.49	(67.5 - 81.1)	1,014	71.9	1.88	(68.0 - 75.4)
Iowa	362	64.9	3.16	(58.5 - 70.9)	952	68	1.81	(64.4 - 71.5)
Kansas	380	70.6	3.52	(63.2 - 77.0)	1,385	69.7	1.61	(66.5 - 72.8)
Maine	614	77.2	3.19	(70.3 - 82.8)	1,564	74.2	2.01	(70.1 - 78.0)
Maryland	412	65.3	4	(57.1 - 72.7)	2,272	65.3	1.63	(62.0 - 68.4)
Massachusetts	247	75.3	3.76	(67.3 - 82.0)	884	69.6	2.21	(65.1 - 73.7)
Michigan	643	75.8	2.25	(71.1 - 79.9)	1,498	71.4	1.47	(68.4 - 74.2)
Minnesota	784	71.3	2	(67.2 - 75.0)	1,790	73.2	1.3	(70.6 - 75.6)
Missouri	253	65.4	4.56	(56.0 - 73.7)	758	66.7	2.62	(61.4 - 71.6)
Montana	218	68.1	4.55	(58.7 - 76.3)	649	72	2.4	(67.1 - 76.5)
Nebraska	558	69.9	3.11	(63.5 - 75.6)	1,625	68.5	1.73	(65.0 - 71.8)
Nevada	134	64.4	6.8	(50.3 - 76.4)	360	66.1	4.18	(57.5 - 73.7)
New Hampshire	237	75.5	4.1	(66.6 - 82.6)	844	69.2	2.32	(64.5 - 73.5)
New Mexico	281	69.8	4.28	(60.8 - 77.4)	965	65	2.27	(60.4 - 69.3)
New York	429	74.1	3.93	(65.7 - 81.0)	1,726	70.9	1.92	(67.0 - 74.5)
Ohio	536	69.6	3.45	(62.5 - 75.9)	1,570	72.4	1.81	(68.8 - 75.9)

Oregon	330	73	3.08	(66.6 - 78.6)	937	68.5	1.84	(64.8 - 72.0)
Pennsylvania	281	73.3	3.93	(65.0 - 80.3)	803	71	2.25	(66.4 - 75.3)
Rhode Island	241	69.6	5.52	(57.9 - 79.2)	902	73.1	2.33	(68.3 - 77.4)
Texas	332	52.2	6.72	(39.2 - 65.0)	1,331	56.5	3.12	(50.3 - 62.4)
Utah	509	68.2	2.68	(62.7 - 73.2)	1,395	67.2	1.59	(64.0 - 70.2)
Vermont	304	69.8	4.62	(60.1 - 78.1)	980	70.6	2.34	(65.8 - 75.0)
Wisconsin	249	79.8	3.92	(71.0 - 86.4)	537	76.9	2.61	(71.4 - 81.6)
Puerto Rico**	330	61.9	3.53	(54.8 - 68.6)	913	60.1	2.2	(55.7 - 64.3)

Notes:

*Adult: age \geq 18 years

**Puerto Rico did not collect 6 consecutive months of adult data but did collect 6 or more months of data throughout 2018 and 2019 altogether.

Table 2B. Estimated percentage of current asthma status among children* ever diagnosed with asthma by state/territory

Child	ACBS Respondents				BRFSS Eligible Asthma Respondents			
	ACBS Sample size	Current Prevalence (weighted percent)	Standard Error	CI ACBS	BRFSS Sample size	Current Prevalence (weighted percent)	Standard Error	CI BRFSS
States/areas total	449	61.3	5.3	(50.6 - 71.1)	1,604	65.4	2.58	(60.2 - 70.3)
Florida	77	54.8	11.28	(33.1 - 74.8)	340	60.9	5.27	(50.2 - 70.6)
Michigan	102	62	6.18	(49.3 - 73.2)	309	70.6	3.25	(63.8 - 76.5)
Minnesota	102	66.5	5.92	(54.0 - 77.0)	329	72.6	2.92	(66.5 - 78.0)
Ohio	78	70.5	6.92	(55.4 - 82.1)	306	65.6	4.54	(56.2 - 73.9)
Utah**	90	60.5	6.12	(48.1 - 71.7)	320	68.7	3.2	(62.1 - 74.6)

Note:

* Children: aged 0-17 years

**Utah did not collect 6 consecutive months of adult data but did collect 6 or more months of data throughout 2018 and 2019 altogether.