



**Multiple Year
2015–2017**

Behavioral Risk Factor Surveillance System

Child Asthma Call-Back Survey

**Prevalence Table
Technical Information**



**National
Asthma
Control
Program**

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Behavioral Risk Factor Surveillance System, Child Asthma Call-Back Survey

Prevalence Table Technical Information

The Child Asthma Call-back Survey (ACBS) requires use of the Behavioral Risk Factor Surveillance System (BRFSS) Random Child Selection Module and the Child Asthma Prevalence Module during the BRFSS survey interview. BRFSS survey respondents are eligible for the Child ACBS if they report that the randomly selected child in the household has ever been diagnosed with asthma (lifetime asthma). The number of children with lifetime asthma identified during the BRFSS interview differs depending on the state BRFSS sample size and typically ranges from 200 to 1,000. Due to sample loss between the BRFSS interview and the ACBS interview, the number of completed child interviews for the ACBS ranged from 26 to 236 from 2015 through 2017 (Table A). Beginning in 2009, the state child data were not weighted and were not included in the annual public release file if there were fewer than 75 completed interview records for children. Because the ACBS annual sample size for children was limited even in states with a sufficient number to weight; the data for all states implementing the child ACBS from 2015 through 2017 were combined and reweighted to represent an average individual year lifetime asthma population for each state. All states included in the multiple year file contributed data for all three years 2015, 2016, and 2017--with the exception of Florida (collected data in 2016 and 2017 only). Table A contains child ACBS sample sizes by year and state.

The annual child ACBS weighting process is based on the BRFSS final child weight for the randomly selected child (_CLLCPWT). The sum of the BRFSS child weights for records reporting children with lifetime asthma is an estimate of the total population of children in the state with lifetime asthma. For the ACBS weight, the BRFSS child weight for the randomly selected child is adjusted for loss to sample between the BRFSS interview and the ACBS interview. After adjusting for sample loss, demographic post stratification group (age/sex/race) adjustments are made to account for differential non-response. As an end result of the adjustment for sample loss and the post stratification adjustment, for each state the sum of the ACBS final weights for all ACBS child records is equal to the estimated total state population of children with lifetime asthma in the BRFSS. The final weight for multiple years (2015–2017) ACBS data is **_CHILDWT_M_YEARS**.

The multiple years of data were adjusted to represent an average individual year lifetime asthma population for each state, the prevalence tables for selected important measures of ACBS based on combined years 2015–2017 data could be found at: https://www.cdc.gov/brfss/acbs/2015-2017_tables.html.

Additional information on the ACBS can be accessed at: <https://www.cdc.gov/asthma/ACBS.htm> and <https://www.cdc.gov/brfss/acbs/index.htm>.

Table A. Child Asthma Call-back Sample Size by Year and State

States*	2015	2016	2017	Sample size
California	72	63	42	177
Connecticut	100	76	74	250
Florida**	-	236	154	390
Georgia	55	58	52	165
Hawaii	42	44	56	142
Indiana	42	68	95	205
Kansas	166	66	137	369
Maine	55	90	81	226
Michigan	90	110	83	283
Minnesota	142	125	95	362
Missouri	28	32	46	106
Montana	29	26	36	91
Nebraska	118	95	92	305
New Jersey	147	70	120	337
New Mexico	63	63	35	161
New York	41	76	37	154
Ohio	75	85	74	234
Oregon	46	33	30	109
Pennsylvania	47	53	39	139
Rhode Island	39	26	41	106
Utah	119	91	92	302
Vermont	60	40	40	140
Wisconsin	44	27	37	108
Puerto Rico	93	76	53	222
Total	1713	1729	1641	5083

Notes:

*Only states that have records for all three years 2015, 2016, and 2017 are included

**Florida has data for 2016 and 2017 only