

**Table C-1a. Age-adjusted percentages (with standard errors) of ever having asthma and still having asthma for children under age 18 years, by selected characteristics: United States, 2017**

Selected characteristic	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Total	13.0 (0.43)	8.4 (0.36)
Sex		
Male	15.1 (0.67)	9.5 (0.55)
Female	10.8 (0.56)	7.3 (0.48)
Age		
0-4 years	5.6 (0.66)	4.4 (0.56)
5-11 years	13.2 (0.73)	8.8 (0.61)
12-17 years	18.7 (0.87)	11.1 (0.69)
Race		
One race <sup>2</sup>	12.7 (0.43)	8.2 (0.36)
White	12.1 (0.49)	7.6 (0.39)
Black or African American	17.2 (1.44)	12.8 (1.22)
American Indian or Alaska Native	12.9 (3.64)	*
Asian	9.3 (1.60)	3.6 (0.78)
Native Hawaiian or Other Pacific Islander	*	*
Two or more races <sup>3</sup>	18.1 (2.26)	13.0 (2.10)
Black or African American and white	22.0 (3.70)	16.8 (3.51)
American Indian or Alaska Native and white	*	*
Hispanic or Latino origin <sup>4</sup> and race		
Hispanic or Latino	12.4 (0.87)	7.8 (0.70)
Mexican or Mexican American	10.2 (0.93)	6.4 (0.75)
Not Hispanic or Latino	13.1 (0.51)	8.6 (0.43)
White, single race	12.1 (0.57)	7.7 (0.47)
Black or African American only, single race	17.1 (1.54)	12.6 (1.32)
Family structure <sup>5</sup>		
Mother and father	11.4 (0.50)	7.2 (0.41)
Mother, no father	16.5 (0.98)	11.2 (0.80)
Father, no mother	14.2 (2.02)	7.9 (1.59)
Neither mother nor father	18.1 (2.76)	14.8 (2.73)
Parent's education <sup>6</sup>		
Less than high school diploma	14.5 (1.59)	9.3 (1.32)
High school diploma or GED <sup>7</sup>	12.4 (1.07)	8.2 (0.90)
More than high school	12.7 (0.50)	8.0 (0.42)
Family income <sup>8</sup>		
Less than \$35,000	16.4 (1.07)	11.6 (0.92)
\$35,000 or more	11.9 (0.50)	7.3 (0.39)
\$35,000-\$49,999	14.1 (1.38)	8.8 (1.23)
\$50,000-\$74,999	11.3 (1.02)	7.1 (0.80)
\$75,000-\$99,999	12.2 (1.21)	7.1 (0.95)
\$100,000 or more	11.4 (0.72)	6.9 (0.55)
Poverty status <sup>9</sup>		
Poor	16.2 (1.31)	11.4 (1.15)
Near poor	13.8 (0.94)	9.1 (0.82)
Not poor	11.9 (0.53)	7.4 (0.42)

**Table C-1a. Age-adjusted percentages (with standard errors) of ever having asthma and still having asthma for children under age 18 years, by selected characteristics: United States, 2017**

Selected characteristic	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Health insurance coverage <sup>10</sup>		
Private	11.8 (0.55)	7.4 (0.44)
Medicaid or other public	15.6 (0.80)	11.0 (0.73)
Other	9.4 (1.90)	2.6 (0.79)
Uninsured	9.2 (1.64)	5.0 (1.27)
Place of residence <sup>11</sup>		
Large MSA	12.9 (0.61)	8.0 (0.49)
Small MSA	13.6 (0.71)	9.4 (0.64)
Not in MSA	11.7 (0.98)	7.9 (0.88)
Region		
Northeast	15.3 (1.33)	10.0 (1.10)
Midwest	13.2 (0.85)	9.2 (0.74)
South	12.7 (0.66)	8.1 (0.55)
West	11.5 (0.82)	7.0 (0.67)
Current health status		
Excellent or very good	11.3 (0.43)	6.8 (0.35)
Good	20.1 (1.50)	14.9 (1.36)
Fair or poor	43.5 (5.43)	41.4 (5.38)

\* Estimate is considered unreliable, as specified in National Center for Health Statistics Data Presentation Standards for Proportions (available from: [https://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_175.pdf](https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf)), and is not shown.

<sup>1</sup>Based on the questions, "Has a doctor or other health professional ever told you that [child's name] had asthma?" and "Does [child's name] still have asthma?"

<sup>2</sup>Refers to children with only a single race group indicated, including those of Hispanic or Latino origin.

<sup>3</sup>Refers to children with more than one race group indicated, including those of Hispanic or Latino origin. Only two combinations of multiple race groups are shown due to small sample sizes for other combinations.

<sup>4</sup>Refers to children who are of Hispanic or Latino origin and may be of any race or combination of races. "Not Hispanic or Latino" refers to children who are not of Hispanic or Latino origin, regardless of race.

<sup>5</sup>Refers to parents living in the household. "Mother and father" can include biological, adoptive, step, in-law, or foster relationships. Legal guardians are classified in "Neither mother nor father."

<sup>6</sup>Refers to the education level of the parent with the higher level of education, regardless of that parent's age, provided the parent(s) live(s) in the household.

<sup>7</sup>GED is General Educational Development high school equivalency diploma.

<sup>8</sup>Includes children in families that reported either dollar amounts or would not provide a dollar amount but provided an income interval.

<sup>9</sup>"Poor" children live in families defined as below the poverty threshold. "Near poor" children live in families with incomes of 100% to less than 200% of the poverty threshold. "Not poor" children live in families with incomes that are 200% of the poverty threshold or greater.

<sup>10</sup>Based on a hierarchy of mutually exclusive categories. Children with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. "Uninsured" includes children who had no coverage as well as those who had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care.

<sup>11</sup>MSA is metropolitan statistical area. Large MSAs have a population size of 1 million or more; small MSAs have a population size of less than 1 million. "Not in MSA" consists of persons not living in a metropolitan statistical area.

NOTES: Based on household interviews of a sample of the civilian noninstitutionalized population. This table is based on responses about the sample child, not all children in the family. Data came from the Sample Child File and were weighted using the Sample Child weight. Estimates are age-adjusted using the projected 2000 U.S. population as the standard population and using age groups 0-4 years, 5-11 years, and 12-17 years. Estimates for age groups are not age-adjusted. Unknowns for the columns were not included in the denominators when calculating percentages. Percentages may not add to totals due to rounding. "Total" includes children of other races not shown separately and children with unknown family structure, parent's education, family income, poverty status, health insurance, or current health status. For more information on the data source, methods, and definitions used for this table, refer to Technical Notes for Summary Health Statistics Tables: National Health Interview Survey (available from <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>).

Suggested citation: Black LI, Benson V. Tables of Summary Health Statistics for U.S. Children: 2017 National Health Interview Survey. 2018. Available from: <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2017.

**Table C-1b. Frequencies (in thousands) of ever having asthma and still having asthma for children under age 18 years, by selected characteristics: United States, 2017**

Selected characteristic	All children under age 18		
	years	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Total	73,529	9,562	6,182
Sex			
Male	37,520	5,661	3,569
Female	36,009	3,902	2,613
Age			
0-4 years	19,694	1,101	869
5-11 years	28,875	3,802	2,548
12-17 years	24,960	4,659	2,765
Race			
One race <sup>2</sup>	69,897	8,916	5,717
White	53,672	6,488	4,073
Black or African American	10,796	1,863	1,379
American Indian or Alaska Native	1,063	133	*
Asian	4,189	402	159
Native Hawaiian or Other Pacific Islander	177	*	*
Two or more races <sup>3</sup>	3,632	646	465
Black or African American and white	1,754	378	285
American Indian or Alaska Native and white	558	*	*
Hispanic or Latino origin <sup>4</sup> and race			
Hispanic or Latino	18,490	2,272	1,416
Mexican or Mexican American	12,090	1,205	753
Not Hispanic or Latino	55,039	7,291	4,765
White, single race	37,781	4,627	2,918
Black or African American only, single race	9,761	1,676	1,231
Family structure <sup>5</sup>			
Mother and father	51,402	5,805	3,641
Mother, no father	16,919	2,871	1,940
Father, no mother	2,739	418	219
Neither mother nor father	2,469	469	382
Parent's education <sup>6</sup>			
Less than high school diploma	7,595	1,105	708
High school diploma or GED <sup>7</sup>	12,062	1,490	984
More than high school	51,207	6,499	4,107
Family income <sup>8</sup>			
Less than \$35,000	17,396	2,787	1,984
\$35,000 or more	48,533	5,808	3,518
\$35,000-\$49,999	7,517	1,047	652
\$50,000-\$74,999	10,736	1,193	750
\$75,000-\$99,999	7,892	955	560
\$100,000 or more	22,388	2,613	1,555
Poverty status <sup>9</sup>			
Poor	12,571	2,001	1,419
Near poor	16,070	2,189	1,438
Not poor	41,704	5,029	3,084

**Table C-1b. Frequencies (in thousands) of ever having asthma and still having asthma for children under age 18 years, by selected characteristics: United States, 2017**

Selected characteristic	All children under age 18 years	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Health insurance coverage <sup>10</sup>			
Private	40,543	4,901	3,027
Medicaid or other public	26,690	4,039	2,869
Other	2,323	213	59
Uninsured	3,655	389	206
Place of residence <sup>11</sup>			
Large MSA	42,560	5,490	3,378
Small MSA	22,141	3,000	2,085
Not in MSA	8,829	1,072	719
Region			
Northeast	12,777	2,002	1,301
Midwest	15,980	2,088	1,464
South	27,370	3,472	2,205
West	17,403	2,000	1,212
Current health status			
Excellent or very good	62,574	7,012	4,210
Good	9,694	2,021	1,483
Fair or poor	1,257	530	489

\* Corresponding crude percentage for the frequency is considered unreliable, as specified in National Center for Health Statistics Data Presentation Standards for Proportions (available from: [https://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_175.pdf](https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf)), so the frequency is not shown.

<sup>1</sup>Based on the questions, "Has a doctor or other health professional ever told you that [child's name] had asthma?" and "Does [child's name] still have asthma?"

<sup>2</sup>Refers to children with only a single race group indicated, including those of Hispanic or Latino origin.

<sup>3</sup>Refers to children with more than one race group indicated, including those of Hispanic or Latino origin. Only two combinations of multiple race groups are shown due to small sample sizes for other combinations.

<sup>4</sup>Refers to children who are of Hispanic or Latino origin and may be of any race or combination of races. "Not Hispanic or Latino" refers to children who are not of Hispanic or Latino origin, regardless of race.

<sup>5</sup>Refers to parents living in the household. "Mother and father" can include biological, adoptive, step, in-law, or foster relationships. Legal guardians are classified in "Neither mother nor father."

<sup>6</sup>Refers to the education level of the parent with the higher level of education, regardless of that parent's age, provided the parent(s) live(s) in the household.

<sup>7</sup>GED is General Educational Development high school equivalency diploma.

<sup>8</sup>Includes children in families that reported either dollar amounts or would not provide a dollar amount but provided an income interval.

<sup>9</sup>"Poor" children live in families defined as below the poverty threshold. "Near poor" children live in families with incomes of 100% to less than 200% of the poverty threshold. "Not poor" children live in families with incomes that are 200% of the poverty threshold or greater.

<sup>10</sup>Based on a hierarchy of mutually exclusive categories. Children with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. "Uninsured" includes children who had no coverage as well as those who had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care.

<sup>11</sup>MSA is metropolitan statistical area. Large MSAs have a population size of 1 million or more; small MSAs have a population size of less than 1 million. "Not in MSA" consists of persons not living in a metropolitan statistical area.

NOTES: Based on household interviews of a sample of the civilian noninstitutionalized population. This table is based on responses about the sample child, not all children in the family. Data came from the Sample Child File and were weighted using the Sample Child weight. Estimates of "All children under 18 years" in this table differ slightly from estimates of "All children under 18 years" in the other detailed tables that were based on the Person File and were weighted using the Person weight. Unknowns for the columns were not included in the frequencies, but they are included in the "All children under 18 years" column. "Total" includes children of other races not shown separately and children with unknown family structure, parent's education, family income, poverty status, health insurance, or current health status. For more information on the data source, methods, and definitions used for this table, refer to Technical Notes for Summary Health Statistics Tables: National Health Interview Survey (available from <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>).

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SOURCE: NCHS, National Health Interview Survey, 2017.

**Table C-1c. Crude percentages (with standard errors) of ever having asthma and still having asthma for children under age 18 years, by selected characteristics: United States, 2017**

Selected characteristic	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Total	13.0 (0.43)	8.4 (0.36)
Sex		
Male	15.1 (0.68)	9.5 (0.55)
Female	10.9 (0.57)	7.3 (0.49)
Age		
0-4 years	5.6 (0.66)	4.4 (0.56)
5-11 years	13.2 (0.73)	8.8 (0.61)
12-17 years	18.7 (0.87)	11.1 (0.69)
Race		
One race <sup>2</sup>	12.8 (0.44)	8.2 (0.36)
White	12.1 (0.49)	7.6 (0.39)
Black or African American	17.3 (1.43)	12.8 (1.22)
American Indian or Alaska Native	12.5 (3.46)	*
Asian	9.6 (1.65)	3.8 (0.81)
Native Hawaiian or Other Pacific Islander	*	*
Two or more races <sup>3</sup>	17.8 (2.26)	12.8 (2.08)
Black or African American and white	21.6 (3.63)	16.3 (3.40)
American Indian or Alaska Native and white	*	*
Hispanic or Latino origin <sup>4</sup> and race		
Hispanic or Latino	12.3 (0.88)	7.7 (0.70)
Mexican or Mexican American	10.0 (0.93)	6.2 (0.76)
Not Hispanic or Latino	13.3 (0.52)	8.7 (0.43)
White, single race	12.3 (0.58)	7.7 (0.47)
Black or African American only, single race	17.2 (1.54)	12.6 (1.31)
Family structure <sup>5</sup>		
Mother and father	11.3 (0.50)	7.1 (0.41)
Mother, no father	17.0 (1.01)	11.5 (0.82)
Father, no mother	15.3 (2.12)	8.0 (1.56)
Neither mother nor father	19.0 (2.90)	15.5 (2.85)
Parent's education <sup>6</sup>		
Less than high school diploma	14.6 (1.57)	9.3 (1.31)
High school diploma or GED <sup>7</sup>	12.4 (1.07)	8.2 (0.90)
More than high school	12.7 (0.51)	8.0 (0.42)
Family income <sup>8</sup>		
Less than \$35,000	16.1 (1.07)	11.4 (0.92)
\$35,000 or more	12.0 (0.50)	7.3 (0.39)
\$35,000-\$49,999	13.9 (1.36)	8.7 (1.21)
\$50,000-\$74,999	11.1 (1.03)	7.0 (0.79)
\$75,000-\$99,999	12.1 (1.21)	7.1 (0.94)
\$100,000 or more	11.7 (0.75)	7.0 (0.56)
Poverty status <sup>9</sup>		
Poor	16.0 (1.31)	11.3 (1.16)
Near poor	13.6 (0.95)	9.0 (0.81)
Not poor	12.1 (0.54)	7.4 (0.43)

**Table C-1c. Crude percentages (with standard errors) of ever having asthma and still having asthma for children under age 18 years, by selected characteristics: United States, 2017**

Selected characteristic	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Health insurance coverage <sup>10</sup>		
Private	12.1 (0.57)	7.5 (0.44)
Medicaid or other public	15.2 (0.80)	10.8 (0.72)
Other	9.2 (1.89)	2.5 (0.78)
Uninsured	10.6 (1.78)	5.6 (1.30)
Place of residence <sup>11</sup>		
Large MSA	12.9 (0.61)	8.0 (0.49)
Small MSA	13.6 (0.73)	9.4 (0.65)
Not in MSA	12.2 (1.00)	8.2 (0.91)
Region		
Northeast	15.7 (1.35)	10.2 (1.11)
Midwest	13.1 (0.84)	9.2 (0.74)
South	12.7 (0.66)	8.1 (0.54)
West	11.5 (0.84)	7.0 (0.68)
Current health status		
Excellent or very good	11.2 (0.43)	6.7 (0.34)
Good	20.9 (1.56)	15.3 (1.39)
Fair or poor	42.1 (5.04)	38.9 (5.02)

\* Estimate is considered unreliable, as specified in National Center for Health Statistics Data Presentation Standards for Proportions (available from: [https://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_175.pdf](https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf)), and is not shown.

<sup>1</sup>Based on the questions, "Has a doctor or other health professional ever told you that [child's name] had asthma?" and "Does [child's name] still have asthma?"

<sup>2</sup>Refers to children with only a single race group indicated, including those of Hispanic or Latino origin.

<sup>3</sup>Refers to children with more than one race group indicated, including those of Hispanic or Latino origin. Only two combinations of multiple race groups are shown due to small sample sizes for other combinations.

<sup>4</sup>Refers to children who are of Hispanic or Latino origin and may be of any race or combination of races. "Not Hispanic or Latino" refers to children who are not of Hispanic or Latino origin, regardless of race.

<sup>5</sup>Refers to parents living in the household. "Mother and father" can include biological, adoptive, step, in-law, or foster relationships. Legal guardians are classified in "Neither mother nor father."

<sup>6</sup>Refers to the education level of the parent with the higher level of education, regardless of that parent's age, provided the parent(s) live(s) in the household.

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<sup>10</sup>Based on a hierarchy of mutually exclusive categories. Children with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. "Uninsured" includes children who had no coverage as well as those who had only Indian Health Service coverage or had only a private plan that paid for one type of service such as accidents or dental care.

<sup>11</sup>MSA is metropolitan statistical area. Large MSAs have a population size of 1 million or more; small MSAs have a population size of less than 1 million. "Not in MSA" consists of persons not living in a metropolitan statistical area.

NOTES: Based on household interviews of a sample of the civilian noninstitutionalized population. This table is based on responses about the sample child, not all children in the family. Data came from the Sample Child File and were weighted using the Sample Child weight. Unknowns for the columns were not included in the denominators when calculating percentages. Percentages may not add to totals due to rounding. "Total" includes children of other races not shown separately and children with unknown family structure, parent's education, family income, poverty status, health insurance, or current health status. For more information on the data source, methods, and definitions used for this table, refer to Technical Notes for Summary Health Statistics Tables: National Health Interview Survey (available from <https://www.cdc.gov/nchs/nhis/SHS/tables.htm>).

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