

**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, 2018**

Selected characteristic	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Total	11.6 (0.44)	7.5 (0.38)
Sex		
Male	13.1 (0.65)	8.4 (0.55)
Female	10.0 (0.58)	6.6 (0.51)
Age		
0-4 years	4.9 (0.56)	3.8 (0.50)
5-11 years	11.9 (0.71)	8.1 (0.60)
12-17 years	16.7 (0.84)	9.9 (0.74)
Race		
One race <sup>2</sup>	11.3 (0.45)	7.2 (0.37)
White	10.1 (0.48)	6.1 (0.38)
Black or African American	18.0 (1.49)	14.0 (1.44)
American Indian or Alaska Native	17.8 (5.42)	*
Asian	8.2 (1.33)	3.9 (0.88)
Native Hawaiian or Other Pacific Islander	*	*
Two or more races <sup>3</sup>	18.2 (2.42)	13.6 (2.34)
Black or African American and white	17.5 (3.32)	11.1 (2.79)
American Indian or Alaska Native and white	26.5 (5.76)	22.5 (6.41)
Hispanic or Latino origin <sup>4</sup> and race		
Hispanic or Latino	12.5 (0.98)	8.0 (0.85)
Mexican or Mexican American	11.5 (1.20)	7.0 (1.01)
Not Hispanic or Latino	11.3 (0.49)	7.4 (0.41)
White, single race	9.4 (0.52)	5.6 (0.40)
Black or African American only, single race	18.0 (1.56)	14.2 (1.52)
Family structure <sup>5</sup>		
Mother and father	9.6 (0.50)	5.9 (0.40)
Mother, no father	17.2 (1.10)	12.3 (1.02)
Father, no mother	13.8 (2.62)	9.5 (2.35)
Neither mother nor father	15.0 (2.28)	9.5 (1.84)
Parent's education <sup>6</sup>		
Less than high school diploma	11.5 (1.32)	7.0 (1.14)
High school diploma or GED <sup>7</sup>	14.3 (1.38)	10.0 (1.26)
More than high school	10.9 (0.50)	7.0 (0.41)
Family income <sup>8</sup>		
Less than \$35,000	16.2 (1.06)	11.2 (1.00)
\$35,000 or more	10.5 (0.51)	6.7 (0.42)
\$35,000-\$49,999	14.2 (1.57)	9.7 (1.42)
\$50,000-\$74,999	11.7 (1.22)	7.6 (1.08)
\$75,000-\$99,999	9.7 (1.08)	5.6 (0.77)
\$100,000 or more	9.2 (0.66)	5.8 (0.53)
Poverty status <sup>9</sup>		
Poor	14.8 (1.29)	10.0 (1.17)
Near poor	14.6 (1.20)	10.1 (1.10)
Not poor	10.0 (0.49)	6.2 (0.40)

**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, 2018**

Selected characteristic	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Health insurance coverage <sup>10</sup>		
Private	10.5 (0.58)	6.7 (0.48)
Medicaid or other public	14.2 (0.77)	9.7 (0.70)
Other	6.0 (1.55)	*
Uninsured	11.4 (2.00)	4.6 (1.09)
Place of residence <sup>11</sup>		
Large MSA	11.7 (0.57)	7.5 (0.48)
Small MSA	11.7 (0.82)	7.8 (0.70)
Not in MSA	10.8 (1.35)	7.0 (1.18)
Region		
Northeast	13.1 (1.27)	9.0 (1.08)
Midwest	10.9 (0.86)	6.9 (0.66)
South	12.7 (0.73)	8.2 (0.71)
West	9.8 (0.81)	6.2 (0.55)
Current health status		
Excellent or very good	9.8 (0.44)	6.2 (0.37)
Good	21.8 (1.64)	14.9 (1.45)
Fair or poor	33.1 (5.58)	26.0 (5.37)

\* Estimate does not meet NCHS standards of reliability.

<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: 2018 National Health Interview Survey, 2019. Available from:

<https://www.cdc.gov/nchs/nhis/SHS/tables.htm>.

SOURCE: NCHS, National Health Interview Survey, 2018.

**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, 2018**

Selected characteristic	All children under age 18		
	years	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Total	73,452	8,535	5,530
Sex			
Male	37,489	4,880	3,122
Female	35,963	3,655	2,408
Age			
0-4 years	19,678	963	744
5-11 years	29,220	3,470	2,350
12-17 years	24,554	4,102	2,436
Race			
One race <sup>2</sup>	69,541	7,845	5,013
White	53,462	5,377	3,245
Black or African American	10,618	1,910	1,491
American Indian or Alaska Native	1,085	196	*
Asian	4,148	344	162
Native Hawaiian or Other Pacific Islander	228	*	*
Two or more races <sup>3</sup>	3,912	690	517
Black or African American and white	1,718	271	171
American Indian or Alaska Native and white	677	*	*
Hispanic or Latino origin <sup>4</sup> and race			
Hispanic or Latino	18,717	2,321	1,493
Mexican or Mexican American	12,074	1,387	836
Not Hispanic or Latino	54,736	6,214	4,037
White, single race	37,234	3,526	2,077
Black or African American only, single race	9,692	1,758	1,383
Family structure <sup>5</sup>			
Mother and father	52,206	4,936	3,009
Mother, no father	16,128	2,838	2,018
Father, no mother	2,987	417	289
Neither mother nor father	2,131	343	214
Parent's education <sup>6</sup>			
Less than high school diploma	7,077	848	505
High school diploma or GED <sup>7</sup>	12,221	1,733	1,214
More than high school	51,759	5,603	3,591
Family income <sup>8</sup>			
Less than \$35,000	15,871	2,460	1,720
\$35,000 or more	50,690	5,362	3,405
\$35,000-\$49,999	6,944	996	682
\$50,000-\$74,999	10,972	1,270	822
\$75,000-\$99,999	7,653	725	422
\$100,000 or more	25,121	2,372	1,480
Poverty status <sup>9</sup>			
Poor	11,378	1,621	1,113
Near poor	15,425	2,208	1,521
Not poor	43,482	4,413	2,712

**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, 2018**

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	40,428	4,308	2,744
Medicaid or other public	26,673	3,626	2,501
Other	2,340	139	*
Uninsured	3,697	435	187
Place of residence <sup>11</sup>			
Large MSA	41,594	4,857	3,089
Small MSA	23,145	2,702	1,811
Not in MSA	8,714	976	630
Region			
Northeast	11,614	1,499	1,035
Midwest	14,949	1,634	1,038
South	28,080	3,570	2,294
West	18,810	1,832	1,163
Current health status			
Excellent or very good	63,035	6,121	3,853
Good	9,159	2,023	1,378
Fair or poor	1,253	391	300

\* Corresponding crude percentage for the frequency does not meet NCHS standards of reliability, 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, 2018.

**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, 2018**

Selected characteristic	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Total	11.6 (0.44)	7.5 (0.38)
Sex		
Male	13.0 (0.65)	8.3 (0.55)
Female	10.2 (0.59)	6.7 (0.52)
Age		
0-4 years	4.9 (0.56)	3.8 (0.50)
5-11 years	11.9 (0.71)	8.1 (0.60)
12-17 years	16.7 (0.84)	9.9 (0.74)
Race		
One race <sup>2</sup>	11.3 (0.45)	7.2 (0.37)
White	10.1 (0.48)	6.1 (0.38)
Black or African American	18.0 (1.50)	14.1 (1.45)
American Indian or Alaska Native	18.0 (5.35)	*
Asian	8.3 (1.36)	3.9 (0.86)
Native Hawaiian or Other Pacific Islander	*	*
Two or more races <sup>3</sup>	17.6 (2.58)	13.2 (2.49)
Black or African American and white	15.8 (3.07)	10.0 (2.48)
American Indian or Alaska Native and white	*	*
Hispanic or Latino origin <sup>4</sup> and race		
Hispanic or Latino	12.4 (0.98)	8.0 (0.84)
Mexican or Mexican American	11.5 (1.21)	6.9 (1.02)
Not Hispanic or Latino	11.4 (0.49)	7.4 (0.41)
White, single race	9.5 (0.53)	5.6 (0.41)
Black or African American only, single race	18.1 (1.58)	14.3 (1.53)
Family structure <sup>5</sup>		
Mother and father	9.5 (0.50)	5.8 (0.40)
Mother, no father	17.6 (1.12)	12.5 (1.04)
Father, no mother	14.0 (2.62)	9.7 (2.37)
Neither mother nor father	16.2 (2.47)	10.1 (1.94)
Parent's education <sup>6</sup>		
Less than high school diploma	12.0 (1.35)	7.1 (1.14)
High school diploma or GED <sup>7</sup>	14.2 (1.40)	10.0 (1.28)
More than high school	10.8 (0.50)	6.9 (0.41)
Family income <sup>8</sup>		
Less than \$35,000	15.5 (1.04)	10.9 (0.97)
\$35,000 or more	10.6 (0.51)	6.7 (0.42)
\$35,000-\$49,999	14.3 (1.63)	9.8 (1.47)
\$50,000-\$74,999	11.6 (1.27)	7.5 (1.11)
\$75,000-\$99,999	9.5 (1.06)	5.5 (0.76)
\$100,000 or more	9.4 (0.66)	5.9 (0.54)
Poverty status <sup>9</sup>		
Poor	14.3 (1.27)	9.8 (1.15)
Near poor	14.3 (1.19)	9.9 (1.09)
Not poor	10.2 (0.49)	6.2 (0.40)

**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, 2018**

Selected characteristic	Ever told had asthma <sup>1</sup>	Still have asthma <sup>1</sup>
Health insurance coverage <sup>10</sup>		
Private	10.7 (0.59)	6.8 (0.49)
Medicaid or other public	13.6 (0.74)	9.4 (0.68)
Other	6.0 (1.57)	*
Uninsured	11.8 (1.96)	5.1 (1.25)
Place of residence <sup>11</sup>		
Large MSA	11.7 (0.57)	7.4 (0.47)
Small MSA	11.7 (0.82)	7.8 (0.70)
Not in MSA	11.2 (1.45)	7.2 (1.29)
Region		
Northeast	12.9 (1.29)	8.9 (1.09)
Midwest	10.9 (0.87)	7.0 (0.66)
South	12.7 (0.72)	8.2 (0.71)
West	9.7 (0.81)	6.2 (0.54)
Current health status		
Excellent or very good	9.7 (0.44)	6.1 (0.37)
Good	22.1 (1.65)	15.1 (1.48)
Fair or poor	31.2 (4.74)	23.9 (4.61)

\* Estimate does not meet NCHS standards of reliability.

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

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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.

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