

**Table 46. Health conditions among children under age 18 years, by selected characteristics:
United States, average annual, selected years 1997-1999 through 2009-2011**

(Data are based on household interviews of a sample of the civilian noninstitutionalized population)

Characteristic	Current asthma ¹				Asthma attack in the past 12 months ²			
	1997-1999	2000-2002	2003-2005	2009-2011	1997-1999	2000-2002	2003-2005	2009-2011
Percent of children								
Under 18 years ³	---	---	8.7	9.5	5.4	5.7	5.4	5.6
Age								
0-4 years.....	---	---	6.1	6.4	4.3	4.7	4.2	4.5
5-17 years.....	---	---	9.6	10.7	5.7	6.1	5.8	6.0
5-9 years.....	---	---	9.1	10.2	5.6	6.3	6.1	6.2
10-17 years.....	---	---	9.9	11.1	5.8	5.9	5.7	5.8
Sex								
Male.....	---	---	9.9	10.7	6.2	6.6	6.3	6.3
Female.....	---	---	7.3	8.3	4.5	4.7	4.4	4.8
Race ⁴								
White only.....	---	---	7.7	8.1	5.0	5.2	4.9	4.8
Black or African American only.....	---	---	13.0	16.4	7.0	8.0	7.6	8.8
American Indian or Alaska Native only.....	---	---	12.2	*6.6	6.4	*8.7	*6.1	*3.5
Asian only.....	---	---	4.8	7.7	4.3	4.7	3.3	5.2
Native Hawaiian or Other Pacific Islander only.....	---	---	*	*	---	*	*	*
2 or more races.....	---	---	13.5	13.3	---	7.3	8.8	8.0
Hispanic origin and race ⁴								
Hispanic or Latino.....	---	---	7.6	8.5	4.8	4.2	4.6	4.7
Not Hispanic or Latino.....	---	---	8.9	9.8	5.5	6.0	5.6	5.8
White only.....	---	---	7.9	8.2	5.1	5.5	5.0	5.0
Black or African American only.....	---	---	13.0	16.4	7.0	7.9	7.5	8.8
Percent of poverty level ⁵								
Below 100%.....	---	---	10.4	12.7	6.1	7.1	6.5	7.5
100%-199%.....	---	---	8.6	9.9	5.3	5.4	5.2	5.9
200%-399%.....	---	---	8.3	8.3	5.0	5.3	5.2	4.6
400% or more.....	---	---	7.9	7.8	5.2	5.5	4.9	4.7
Health insurance status at the time of interview ⁶								
Insured.....	---	---	9.0	9.7	5.6	5.9	5.6	5.7
Private.....	---	---	8.0	8.2	5.0	5.3	5.0	4.9
Medicaid.....	---	---	11.4	12.0	7.7	7.7	7.1	6.9
Uninsured.....	---	---	5.6	6.8	3.9	4.3	3.3	3.6

Characteristic	Attention deficit hyperactivity disorder ⁷				Serious emotional or behavioral difficulties ⁸			
	1997-1999	2000-2002	2003-2005	2009-2011	1997-1999	2000-2002	2003-2005	2009-2011
Percent of children								
Age								
5-17 years.....	6.5	7.5	7.6	9.6	---	---	5.1	5.8
5-9 years.....	4.8	5.2	5.6	6.3	---	---	4.3	5.0
10-17 years.....	7.6	9.0	8.9	11.7	---	---	5.6	6.3
Sex								
Male.....	9.6	10.8	10.7	13.1	---	---	6.1	7.1
Female.....	3.2	4.2	4.4	5.9	---	---	4.1	4.4
Race ⁴								
White only.....	7.1	8.1	7.8	9.8	---	---	5.1	5.7
Black or African American only.....	5.0	7.0	7.7	10.8	---	---	5.3	6.6
American Indian or Alaska Native only.....	*8.5	*	*9.4	*7.5	---	---	*	*9.2
Asian only.....	*1.7	*	*1.6	*1.8	---	---	*1.7	*2.3
Native Hawaiian or Other Pacific Islander only.....	---	*	*	*	---	---	*	*
2 or more races.....	---	7.4	9.7	10.7	---	---	8.2	8.9
Hispanic origin and race ⁴								
Hispanic or Latino.....	3.6	4.2	4.6	5.6	---	---	3.8	4.3
Not Hispanic or Latino.....	7.0	8.2	8.3	10.7	---	---	5.4	6.2
White only.....	7.7	9.0	8.8	11.3	---	---	5.6	6.2
Black or African American only.....	5.0	6.8	7.5	11.1	---	---	5.2	6.6
Percent of poverty level ⁵								
Below 100%.....	7.2	8.2	8.4	12.5	---	---	7.4	9.0
100%-199%.....	6.7	7.5	7.8	9.7	---	---	5.4	6.3
200%-399%.....	6.2	7.7	7.8	8.6	---	---	4.9	5.0
400% or more.....	6.1	7.1	6.9	8.3	---	---	3.7	3.9
Health insurance status at the time of interview ⁶								
Insured.....	6.7	7.8	7.8	9.9	---	---	5.2	5.9
Private.....	5.9	7.0	7.0	8.1	---	---	4.1	4.2
Medicaid.....	10.5	10.7	10.3	13.1	---	---	8.5	9.1
Uninsured.....	4.8	5.4	6.1	5.8	---	---	4.6	4.4

Characteristic	Food allergy ⁹				Skin allergy ¹⁰			
	1997-1999	2000-2002	2003-2005	2009-2011	1997-1999	2000-2002	2003-2005	2009-2011
Percent of children								
Under 18 years ³	3.4	3.6	3.8	5.1	7.4	8.1	9.6	12.5

Age

0-4 years.....	3.8	4.0	4.3	5.1	8.1	8.7	11.0	14.2
5-17 years.....	3.3	3.4	3.6	5.1	7.2	7.9	9.1	11.8
5-9 years.....	3.1	3.6	3.5	5.2	7.5	8.6	10.0	13.1
10-17 years.....	3.4	3.3	3.6	5.1	7.1	7.5	8.6	10.9

Sex

Male.....	3.4	3.7	3.8	5.3	7.3	7.9	9.5	12.3
Female.....	3.5	3.4	3.8	5.0	7.6	8.4	9.8	12.7

Race⁴

White only.....	3.5	3.6	3.8	4.8	7.1	7.6	9.0	11.4
Black or African American only.....	3.1	3.0	3.7	6.1	9.0	10.4	12.4	17.3
American Indian or Alaska Native only.....	*	*4.8	*	*4.5	*4.1	*9.1	11.3	9.3
Asian only.....	3.9	4.4	4.3	6.1	8.0	8.4	7.5	12.3
Native Hawaiian or Other Pacific Islander only.....	---	*	*	*	---	*	*	*
2 or more races.....	---	5.2	4.6	5.9	---	10.9	14.0	15.8

Hispanic origin and race⁴

Hispanic or Latino.....	2.1	2.5	2.8	3.6	5.5	5.6	7.2	10.1
Not Hispanic or Latino.....	3.7	3.8	4.0	5.6	7.8	8.7	10.2	13.2
White only.....	3.8	3.9	4.1	5.3	7.5	8.2	9.7	12.0
Black or African American only.....	3.1	3.1	3.7	6.1	9.0	10.4	12.4	17.4

Percent of poverty level⁵

Below 100%.....	3.3	3.2	3.3	4.4	7.3	7.1	9.0	13.1
100%-199%.....	3.0	3.4	3.8	5.0	7.2	7.6	8.7	12.2
200%-399%.....	3.2	3.4	3.8	5.5	7.3	8.5	10.0	12.6
400% or more.....	4.2	4.0	4.1	5.4	7.9	8.8	10.5	12.1

Health insurance status at the time of interview⁶

Insured.....	3.5	3.7	3.9	5.2	7.7	8.5	10.0	12.7
Private.....	3.5	3.7	4.0	5.5	7.4	8.5	10.1	12.6
Medicaid.....	3.6	3.7	3.6	4.5	8.4	8.4	9.5	12.4
Uninsured.....	2.6	2.4	3.0	4.8	5.9	5.3	6.8	10.5

Hay fever or respiratory allergy¹¹

Three or more ear infections¹²

Characteristic	1997-1999	2000-2002	2003-2005	2009-2011	1997-1999	2000-2002	2003-2005	2009-2011
Under 18 years.....	17.5	17.7	17.3	17.0	7.1	6.7	5.8	5.6

Percent of children

Age

0-4 years.....	10.7	10.4	10.1	10.8	13.7	12.8	11.0	10.4
5-17 years.....	19.9	20.3	20.0	19.5	4.8	4.5	3.8	3.7
5-9 years.....	17.3	18.1	17.9	17.4	7.1	6.9	5.7	6.0

10-17 years.....	21.6	21.7	21.2	20.8	3.2	2.9	2.7	2.2
Sex								
Male.....	18.6	18.8	18.9	18.4	7.3	6.9	5.9	5.6
Female.....	16.3	16.5	15.6	15.6	6.9	6.5	5.6	5.6
Race ⁴								
White only.....	17.9	18.5	17.8	17.3	7.4	7.2	6.3	5.9
Black or African American only.....	16.2	15.6	15.2	15.6	5.9	5.0	4.1	4.2
American Indian or Alaska Native only.....	15.2	16.4	16.5	14.8	*10.8	*6.3	*5.1	*
Asian only.....	15.3	12.6	11.3	14.1	3.7	2.6	3.3	3.6
Native Hawaiian or Other Pacific Islander only.....	---	*	*	*	---	*	*	*
2 or more races.....	---	20.9	20.8	20.1	---	7.4	5.0	5.6
Hispanic origin and race ⁴								
Hispanic or Latino.....	12.4	12.4	12.8	13.0	6.1	6.7	6.2	6.1
Not Hispanic or Latino.....	18.4	18.8	18.3	18.2	7.3	6.7	5.7	5.5
White only.....	19.1	19.9	19.4	19.1	7.7	7.3	6.3	5.9
Black or African American only.....	16.3	15.5	15.1	15.6	5.9	4.9	4.0	4.1
Percent of poverty level ⁵								
Below 100%.....	14.3	14.0	14.2	14.9	8.3	7.9	6.7	7.1
100%-199%.....	15.4	15.6	16.0	15.8	7.1	6.8	5.7	6.1
200%-399%.....	18.5	18.1	17.7	16.8	6.8	6.5	5.6	4.9
400% or more.....	20.3	21.1	19.7	20.1	6.6	6.1	5.5	4.8
Health insurance status at the time of interview ⁶								
Insured.....	18.0	18.3	17.7	17.2	7.3	6.9	5.8	5.7
Private.....	18.8	19.2	18.5	18.6	6.6	6.4	5.2	4.8
Medicaid.....	15.0	16.0	16.1	14.9	10.2	8.7	7.4	7.2
Uninsured.....	14.3	12.6	13.5	15.0	5.9	4.9	5.4	4.4

---Data not available.

*Estimates are considered unreliable.

Data preceded by an asterisk have a relative standard error (RSE) of 20%-30%.

Data not shown have an RSE greater than 30%.

¹Based on parent or knowledgeable adult responding to both questions, "Has a doctor or other health professional ever told you that your child had asthma?" and "Does your child still have asthma?"

²Based on parent or knowledgeable adult responding to both questions, "Has a doctor or other health professional ever told you that your child had asthma?" and "During the past 12 months, did your child have an episode of asthma or an asthma attack?"

³Includes all other races not shown separately, unknown poverty level, and unknown health insurance status.

⁴The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 *Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity* and are not strictly comparable with estimates for earlier years. The five single-race categories plus multiple-race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single-race categories prior to

1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

⁵Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 1997 and beyond. See Appendix II, Family income; Poverty; Table VI.

⁶Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having private coverage. Starting with 1997 data, state-sponsored health plan coverage is included as Medicaid coverage. Starting with 1999 data, coverage by the Children's Health Insurance Program (CHIP) is included as Medicaid coverage. In addition to private and Medicaid, the insured category also includes military, other government, and Medicare coverage. Persons not covered by private insurance, Medicaid, CHIP, state-sponsored or other government-sponsored health plans, Medicare, or military plans are considered to have no health insurance coverage. Persons with only Indian Health Service coverage are considered to have no health insurance coverage. See Appendix II, Health insurance coverage.

⁷Based on parent or knowledgeable adult responding to the question, "Has a doctor or health professional ever told you that your child had attention deficit hyperactivity disorder (ADHD) or attention deficit disorder (ADD)?"

⁸Based on parent or knowledgeable adult responding to the question, "Overall, do you think that [child] has difficulties in any of the following areas: emotions, concentration, behavior, or being able to get along with other people?"

⁹Based on parent or knowledgeable adult responding to the question, "During the past 12 months, has your child had any kind of food or digestive allergy?"

¹⁰Based on parent or knowledgeable adult responding to the question, "During the past 12 months, has your child had any eczema or any kind of skin allergy?"

¹¹Based on parent or knowledgeable adult responding to the question, "During the past 12 months, has your child had hay fever?" or to the question, "During the past 12 months, has your child had any kind of respiratory allergy?"

¹²Based on parent or knowledgeable adult responding to the question, "During the past 12 months, has your child had three or more ear infections?"

NOTES: Answers to questions are supplied by the parents or a knowledgeable adult in the family. Standard errors are available in the spreadsheet version of this table. Available from: <http://www.cdc.gov/nchs/hus.htm>. Data for additional years are available. See Appendix III.

SOURCE: CDC/NCHS, National Health Interview Survey, sample child and family core questionnaire. See Appendix I, National Health Interview Survey (NHIS).

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