



Asthma

Most Recent National Asthma Data

These tables feature the latest national and state statistics on the burden of asthma among children and adults. The data are from national and state surveillance systems administered by the Centers for Disease Control and Prevention (CDC). Links to sources are provided with each table to assist with finding additional information on the data and relevant tables and reports.

See also: [State or Territory Data](#), [Archived Most Recent Data](#)

National Data

Prevalence	Asthma Attacks	Healthcare Use	Mortality
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National Current Asthma¹ Prevalence by Select Sociodemographic Characteristics (2021)

Characteristic ²	Weighted Number With Current Asthma ¹	Percent ³ With Current Asthma ¹ (SE)
Total	24,963,874	7.7 (0.18)
Children (Age <18 years)	4,675,475	6.5 (0.32)
Adults (Age 18+ years)	20,288,399	8.0 (0.20)
Age Groups (Years)		
0-4	369,646	1.9 (0.34)
5-11	2,103,060	7.5 (0.58)
5-14	3,123,903	7.7 (0.47)
5-17 (School Age)	4,305,830	8.1 (0.42)
12-14 (Young Teens)	1,020,843	8.0 (0.84)
12-17	2,202,770	8.7 (0.63)
15-17 (Teenagers)	1,181,927	9.5 (0.88)
15-19	1,861,744	9.0 (0.76)
11-21 (Adolescents)	3,806,569	8.4 (0.52)
20-24	1,969,576	9.5 (0.96)
22-39 (Young Adults)	6,331,558	8.2 (0.38)
25-34	3,507,788	7.8 (0.48)

Characteristic ²	Weighted Number With Current Asthma ¹	Percent ³ With Current Asthma ¹ (SE)
35–64	10,079,876	8.2 (0.27)
65+	4,034,264	7.2 (0.33)
Sex⁴		
Males	10,273,831	6.5 (0.22)
Boys (Age <18 years)	2,695,146	7.3 (0.49)
Men (Age 18+ years)	7,578,685	6.2 (0.25)
Females	14,690,043	8.9 (0.26)
Girls (Age <18 years)	1,980,329	5.6 (0.41)
Women (Age 18+ years)	12,709,714	9.7 (0.30)
Poverty Level⁵		
Below 100% of the poverty threshold	3,812,653	10.4 (0.61)
100% to less than 250% of the poverty threshold	7,264,566	8.2 (0.35)
250% to less than 450% of the poverty threshold	6,155,634	7.1 (0.31)
450% of poverty threshold or higher	7,731,021	6.8 (0.28)

Abbreviations: NH = Non-Hispanic, SE = Standard Error

¹Persons who answered “yes” to the questions “Have you EVER been told by a doctor or other health professional that you had asthma?” and “Do you still have asthma?”

²Numbers within selected characteristics may not sum to total due to rounding and missing values.

³The weighted number of survey participants of the intended population group with current asthma divided by the weighted number of all survey participants in the intended population group and then multiply by 100.

⁴Persons who answered “male” or “female” to the question “Are you male or female?”

⁵Poverty level is based on family income and family size using the U.S. Census Bureau’s poverty thresholds. Poverty level was calculated separately using 10 imputed income files.

Source: 2021 National Health Interview Survey (NHIS) Data (Note: some detailed age group data was analyzed separately).

Current Asthma¹ Prevalence by Race and Ethnicity Among Children and Adults (2019–2021)

Race and Ethnicity	Total ² With Current Asthma ¹		Children Age <18 years With Current Asthma ¹		Adults Age 18+ years With Current Asthma ¹	
	Weighted Number	Percent ³ (SE)	Weighted Number	Percent ³ (SE)	Weighted Number	Percent ³ (SE)
White NH	14,806,266	7.6 (0.14)	2,074,381	5.5 (0.25)	12,731,885	8.0 (0.16)
Black NH	4,207,324	10.9 (0.41)	1,058,310	11.6 (0.81)	3,149,013	10.7 (0.45)
AI/AN NH ⁴	565,984	12.3 (1.05)	103,757	9.2 (1.64)	426,227	13.3 (1.23)
Asian NH	743,633	4.1 (0.32)	108,819	3.3 (0.53)	634,814	4.2 (0.35)
Multiple NH ⁵	624,874	10.3 (0.85)	221,110	7.4 (0.85)	403,763	13.2 (1.46)

Race and Ethnicity	Total ² With Current Asthma ¹		Children Age <18 years With Current Asthma ¹		Adults Age 18+ years With Current Asthma ¹	
	Weighted Number	Percent ³ (SE)	Weighted Number	Percent ³ (SE)	Weighted Number	Percent ³ (SE)
Hispanic	3,916,576	6.4 (0.25)	1,102,471	5.9 (0.37)	2,814,105	6.7 (0.30)
Mexican ⁶	1,967,523	5.4 (0.30)	605,788	5.2 (0.44)	1,361,736	5.5 (0.37)
Other Hispanic ⁶	1,896,557	8.0 (0.40)	483,257	7.1 (0.67)	1,413,299	8.3 (0.49)

Abbreviations: NH = Non-Hispanic, AI/AN = American Indian/ Alaska Native, SE = Standard Error

¹Persons who answered "yes" to the questions: "Have you EVER been told by a doctor or other health professional that you had asthma?" and "Do you still have asthma?"

²Total may not equal to the sum of children and adults due to rounding and varying missing values.

³The weighted number of survey participants of the intended population group with current asthma divided by the weighted number of all survey participants in the intended population group and then multiply by 100.

⁴NH AI/AN only and NH AI/AN with any other group.

⁵Subcategory includes "Other single and multiple races".

⁶As a subset of Hispanic.

Source: 2019–2021 National Health Interview Survey (NHIS).

National Prevalence of Asthma Attacks¹ Among Children and Adults With Current Asthma² (2021)

Characteristic	Weighted Number With Asthma Attack ¹	Percent ³ (SE)
Total	9,818,458	39.4 (1.05)
Children (Age <18 years)	1,811,063	38.7 (2.51)
Adults (Age 18+ years)	8,007,395	39.6 (1.18)

Abbreviations: SE = Standard Error

¹Having had one or more asthma attacks in the past 12 months among people with current asthma.

²Persons who answered "yes" to the questions: "Have you EVER been told by a doctor or other health professional that you had asthma?" and "Do you still have asthma?"

³The weighted number of survey participants of the intended population group who had one or more asthma attacks in the past 12 months among people with current asthma divided by the weighted number of all survey participants in the intended population group and then multiply by 100.

Source: 2021 National Health Interview Survey (NHIS)

Prevalence of Asthma Attacks¹ Among Children and Adults With Current Asthma² by Race, Ethnicity, and Age (2019–2021)

Race and Ethnicity	Total ³ With Asthma Attack		Children Age <18 years With Asthma Attack ¹		Adults Age 18+ years With Asthma Attack ¹	
	Weighted Number	Percent ⁴ (SE)	Weighted Number	Percent ⁴ (SE)	Weighted Number	Percent ⁴ (SE)
White NH	6,228,357	42.1 (0.85)	884,799	42.7 (2.12)	5,343,559	42.0 (0.95)
Black NH	1,570,637	37.6 (1.97)	415,410	39.3 (3.55)	1,155,228	37.0 (2.15)
AI/AN NH ⁵	248,982	44.0 (5.37)	49,698	47.9 (10.60)	199,284	43.1 (5.59)

Race and Ethnicity	Total ³ With Asthma Attack		Children Age <18 years With Asthma Attack ¹		Adults Age 18+ years With Asthma Attack ¹	
	Weighted Number	Percent ⁴ (SE)	Weighted Number	Percent ⁴ (SE)	Weighted Number	Percent ⁴ (SE)
Asian NH	297,084	40.1 (3.90)	47,159	43.3 (7.76)	249,925	39.6 (4.19)
Multiple NH ⁶	226,121	36.3 (4.06)	106,438	48.1 (6.13)	119,683	29.8 (5.15)
Hispanic	1,560,489	39.8 (1.99)	454,698	41.2 (3.58)	1,105,791	39.3 (2.42)
Mexican ⁷	746,911	38.0 (2.83)	243,092	40.1 (5.00)	503,819	37.0 (3.74)
Other Hispanic ⁷	785,373	41.4 (2.59)	203,114	42.0 (5.10)	582,258	41.2 (3.01)

Abbreviations: NH = Non-Hispanic, AI/AN = American Indian/ Alaska Native, SE = Standard Error.

¹Having had one or more asthma attacks in the past 12 months among people with current asthma.

²Persons who answered “yes” to the questions “Have you EVER been told by a doctor or other health professional that you had asthma?” and “Do you still have asthma?”

³Total may not equal to the sum of children and adults due to rounding and missing values.

⁴The weighted number of survey participants of the intended population group who had one or more asthma attacks in the past 12 months among people with current asthma divided by the weighted number of all survey participants with current asthma in the intended population group and then multiply by 100.

⁵NH AI/AN only and NH AI/AN with any other group combined.

⁶Subcategory includes “Other single and multiple races”.

⁷As a subset of Hispanic.

Source: 2019–2021 National Health Interview Survey (NHIS).

National Asthma Emergency Department Visits and Hospitalizations Among Children and Adults¹ (2020)

	Emergency Department Visits		Hospital Inpatient Stays	
	Weighted Number of Visits	Rate ² (SE)	Weighted Number of Visits	Rate ² (SE)
Total	986,453	29.8 (0.98)	94,560	2.9 (0.06)
Children (Age <18 years) ³	270,330	36.4 (2.69)	27,055	3.6 (0.21)
Adults (Age 18+ years) ⁴	716,117	27.8 (0.89)	67,505	2.6 (0.05)

Abbreviation: SE = Standard Error

Notes:

For detailed estimates refer to 2020 Asthma-related Healthcare Use data web tables:

<https://www.cdc.gov/asthma/national-surveillance-data/healthcare-use.htm>.

Note: in 2020 transitioned to using HCUP data to calculate asthma Emergency Department visits

¹Asthma as the primary diagnosis (ICD-10-CM Code: J45).

²Crude rate per 10,000 U.S. Census 2020 population.

³Rate was calculated using the weighted number of visits for children aged 0–17 years divided by the U.S. Census 2020 resident population for children aged 0–17 years and multiplied by 10,000.

⁴Rate was calculated using the weighted number of visits for adults aged 18+ years divided by the U.S. Census 2020 resident population for adults aged 18+ years and multiplied by 10,000.

Data sources:

Emergency department visits: HCUP, Healthcare Cost and Utilization Project, National (Nationwide) Emergency Department Samples (NEDS).

Hospital inpatient stays: HCUP, Healthcare Cost and Utilization Project National (Nationwide) Inpatient Sample (NIS). Agency for Healthcare Research and Quality, Rockville, MD. For more information about HCUP data see <https://www.hcup-us.ahrq.gov/>.

Asthma Mortality by Select Sociodemographic Characteristics (2021)

Characteristic ¹	Number of Deaths ²	Death Rate ² Per Million (SE)
Total	3,517	10.6 (0.18)
Children (Age <18 years) ³	145	2.0 (0.16)
Adults (Age 18+ years) ⁴	3,372	13.1 (0.22)
Age Groups (Years)		
0–4	26	1.4 (0.27)
5–11	68	2.4 (0.29)
12–17	51	2.0 (0.27)
18–24	113	3.8 (0.35)
25–34	293	6.4 (0.38)
35–64	1,453	11.5 (0.30)
65+	1,513	27.1 (0.70)
Sex⁵		
Males	1,430	8.7 (0.23)
Age <18 years	89	2.4 (0.25)
Age 18+ years	1,341	10.6 (0.29)
Females	2,087	12.5 (0.27)
Age <18 years	56	1.6 (0.25)
Age 18+ years	2,031	15.4 (0.34)
Race/Ethnicity		
White NH	1,929	9.8 (0.22)
Children (Age <18 years)	36	1.0 (0.17)
Adults (Age 18+ years)	1,893	11.8 (0.27)
Black NH	1,020	24.4 (0.76)
Children (Age <18 years)	78	7.7 (0.87)
Adults (Age 18+ years)	942	29.7 (0.97)
AI/AN NH	19	— ⁶ (1.78)
Children (Age <18 years)	— ⁷	— ⁷
Adults (Age 18+ years)	18	— ⁶ (2.29)
Asian or NH/OPI NH	139	6.8 (0.58)
Children (Age <18 years)	— ⁷	— ⁷
Adults (Age 18+ years)	139	8.6 (0.73)
Hispanic ⁸	366	5.8 (0.31)
Children (Age <18 years)	27	1.4 (0.27)

Characteristic ¹	Number of Deaths ²	Death Rate ² Per Million (SE)
Adults (Age 18+ years)	339	7.8 (0.42)

Abbreviations: NH = Non-Hispanic, AI/AN = American Indian or Alaska Native, NH/OPI = Native Hawaiian or Other Pacific Islander, SE = Standard Error

¹Numbers within selected characteristics may not sum to total due to rounding and missing values.

²Asthma as the underlying cause of death (ICD-10 codes J45–J46).

³Crude rate of child deaths was calculated using the number of deaths for children aged 0–17 years and dividing it by the U.S. Census 2021 resident population for children aged 0–17 years per 1,000,000.

⁴Crude rate of adult deaths was calculated using the number deaths for adults aged 18+ years divided by the U.S. Census 2021 resident population for adults aged 18+ years per 1,000,000.

⁵Variable includes categories female and male as reported in death certificate.

⁶Rates are unreliable when the number of deaths is less than 20.

⁷Data are suppressed when the number of deaths is 9 or fewer.

⁸Information for Hispanic origin was missing for suppressed number of deaths.

Source: CDC/NCHS, Division of Vital Statistics [CDC Wonder](#)

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Yes

Partly

No