



Asthma

2020 National Health Interview Survey (NHIS) Data

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Table 5-1

Asthma Attack¹ Population Estimates Among Those With Current Asthma²—in Thousands³ by Age, United States: National Health Interview Survey, 2020

Characteristic ⁴	All Ages Total	Children Age <18	Adults Age 18+								
			0-4	5-14	15-34	15-19	20-24	25-34	35-64	65+	
Total:	10,342	1,804	8,539	209	1,219	2,824	533	772	1,519	4,752	1,339
Male	3,592	860	2,732	39*	646	1,077	226	357*	494	1,430	399
Female	6,751	944	5,807	170*	572	1,747	307	415	1,025	3,322	940
White Non-Hispanic:	6,363	865	5,498	141*	495	1,615	309	380	926	3,189	923
Male	2,054	393	1,661	**	271	516	133*	147*	236	980	277
Female	4,309	472	3,838	132*	223	1,098	176	232	690	2,209	647
Black Non-Hispanic:	1,482	255*	1,226	**	221*	509	**	187*	263*	595	151
Male	569	174*	395*	**	167*	210*	**	**	**	148	**
Female	913	82*	831	**	54*	299	**	87*	153*	446	113
Other Non-Hispanic:	781	210	571	**	171	150	44*	**	84*	354	104*
Male	362	133*	229	**	95*	110*	44*	**	**	133	**
Female	418	76*	342	**	76*	**	**	**	**	221	81*

**Table 5-1
Asthma Attack¹ Population Estimates Among Those With
Current Asthma²—in Thousands³ by Age, United States: National
Health Interview Survey, 2020**

Characteristic ⁴	All Ages Total	Children Age <18	Adults Age 18+								
			0–4	5–14	15– 34	15– 19	20– 24	25– 34	35– 64	65+	
Hispanic:	1,717	474	1,243	59*	332	550	**	184*	245	615	161
Male	606	160*	446	**	113*	241*	49*	**	104*	169	**
Female	1,111	314*	797	**	219*	309*	**	**	141*	445	99
Mexican/Mexican– American: ⁵	818	276*	541	**	162*	312*	**	**	100*	266	45*
Male	266	96*	170	**	60*	116*	49*	**	52*	73*	**
Female	552	181*	371	**	102*	197*	**	**	**	194*	38*
Other Hispanic: ⁵	884	197*	687	**	170*	238*	**	**	145*	333	116*
Male	340	**	276	**	**	**	**	**	**	97*	**
Female	544	133*	410	**	117*	112*	**	**	93*	236	62*
Region:											
Northeast	1,747	340	1,407	**	222*	456	128	**	199	846	217
Midwest	1,906	268	1,638	**	194	481	72*	180*	229	955	253
South	4,125	780	3,345	157*	496	1,100	179*	352*	569	1,872	501
West	2,564	415	2,149	**	307	788	155*	111*	522	1,079	368
Ratio of Family Income to Poverty Threshold: ⁶											
0–0.99	1,751	334	1,418	**	280	485	**	**	288*	752	206
1.00–2.49	3,265	581	2,684	87*	314	1,036	214*	403	420	1,432	395
2.50–4.49	2,418	441	1,976	**	299	654	151*	**	422	1,082	335
4.50 and above	2,909	448	2,461	**	326	648	91*	169*	388	1,486	402

Table 5-1 Asthma Attack¹ Population Estimates Among Those With Current Asthma²—in Thousands³ by Age, United States: National Health Interview Survey, 2020

Characteristic ⁴	All	Children	Adults								
	Ages	Age <18	Age	0-4	5-14	15-	15-	20-	25-	35-	65+
	Total		18+			34	19	24	34	64	

Source: National Health Interview Survey, National Center for Health Statistics, CDC
Compiled 3/13/2022

¹Having had one or more asthma attacks, which is defined by persons who answered “yes” to the question: “During the past 12 months, have you had an episode of asthma or an asthma attack?” 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?”

³Multiply numbers by a thousand.

All relative standard errors are <30% unless otherwise indicated.

*Relative standard error of the estimate is 30%–50%; the estimate is unreliable.

**Suppressed if relative standard error of the estimate exceeds 50% or if standard error is missing or 0.

⁴Numbers within selected characteristics may not sum to total due to rounding.

⁵As a subset of Hispanic.

⁶Missing responses imputed.

Notes: Sex determined by “male” or “female” response to question: “Are you male or female?” Additional information on methods and variable description available at: <https://www.cdc.gov/asthma/nhis/default.htm>.

Asthma and Community Health Branch
National Center for Environmental Health, Centers for Disease Control and Prevention

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