



Asthma

2020 National Health Interview Survey (NHIS) Data

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Table 6-1
Percentage of Persons Who Had Asthma Attack¹ Among Those With Asthma, by Age, United States: National Health Interview Survey, 2020

Characteristic	All Ages Total	Children Age <18	Adults Age 18+	0-4	5-14	15-34	15-19	20-34
Total:	41.0	42.7	40.7	52.9	45.1	36.9	29.1	34.4
Male	37.5	40.8	36.6	32.3*	44.6	34.9	29.7	36.1
Female	43.1	44.5	42.9	61.9	45.8	38.2	28.6	33.0
White Non-Hispanic:	42.3	44.4	42.0	58.6	45.3	39.0	32.3	34.4
Male	38.7	43.8	37.7	**	48.8	33.0	35.2	32.1
Female	44.3	44.9	44.2	62.4	41.7	42.6	30.4	34.4
Black Non-Hispanic:	37.1	31.2	38.6	**	37.0	36.6	**	50.0
Male	35.3	38.7	34.0	**	46.2	38.1*	**	46.1
Female	38.3	22.1*	41.3	**	22.8*	35.6	**	55.0
Other Non-Hispanic:	38.3	50.4	35.2	**	56.6	28.8	42.8*	**
Male	36.9	44.9	33.5	**	46.7*	36.7	42.8*	**
Female	39.5	64.2	36.4	**	76.7	**	**	**
Hispanic:	41.4	45.4	40.0	80.6	46.9	34.4	30.8*	31.1
Male	36.3	34.5	36.9	59.7*	34.4*	36.1	29.2*	35.0
Female	44.8	54.0	42.0	**	57.7	33.1	**	**

Table 6-1**Percentage of Persons Who Had Asthma Attack¹ Among Those With Asthma² by Age, United States: National Health Interview Survey, 2020**

Characteristic	All Ages Total	Children Age <18	Adults Age 18+	0-4	5-14	15-34	15-19	20-34
Mexican/Mexican-American:³	38.5	46.0	35.5	**	42.9	31.2	34.5*	28.5
Male	35.0	38.6*	33.3	**	35.9*	30.6*	35.3*	**
Female	40.4	51.2	36.6	**	48.5*	31.6*	**	**
Other Hispanic:³	44.2	44.5	44.2	65.6*	51.4	39.5	**	**
Male	37.3	29.8*	39.6	**	33.0*	43.3*	**	54.0
Female	50.1	58.4	47.9	**	69.0	36.0*	**	**
Region:								
Northeast	40.2	55.4	37.7	**	54.3	40.3	60.3	33.0
Midwest	36.7	31.8	37.6	**	35.1	29.1	15.7*	31.0
South	42.8	43.8	42.6	61.3	45.3	37.4	24.2*	43.0
West	42.4	42.0	42.5	**	47.8	40.7	36.4	24.0
Ratio of Family Income to Poverty Threshold:⁴								
0-0.99	43.5	42.4	43.8	**	50.3	36.0	25.1*	26.0
1.00-2.49	41.8	39.4	42.3	65.7	36.8	40.6	27.1	51.0
2.50-4.49	40.3	47.7	38.9	**	47.0	38.2	49.3	**
4.50 and above	39.4	43.2	38.8	62.6*	50.1	31.7	21.4*	27.0

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?"

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.

³As a subset of Hispanic.

⁴Missing 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>.

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