

AsthmaStats

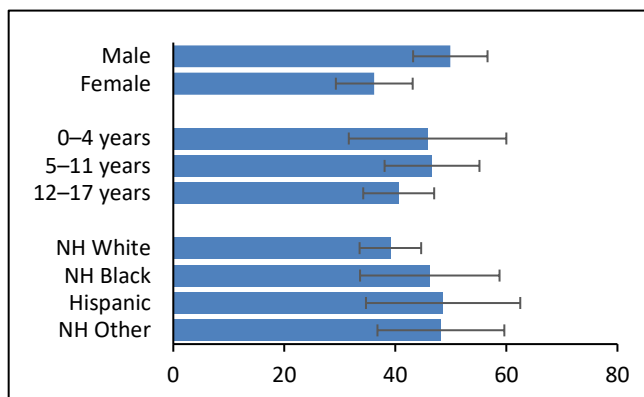
Uncontrolled Asthma Among Children With Current Asthma, 2018–2020

Forty-four percent of children with current asthma had uncontrolled asthma

Children with well controlled asthma symptoms can lead normal lives. However, uncontrolled asthma with frequent and intense episodes of symptoms can have a significant cost to families and society because it may lead to an increased risk of an emergency department visit, hospitalization, and work and school absenteeism. Asthma control was classified as well controlled or uncontrolled based on the national asthma guidelines.*

About 44.0% of children with current asthma[†] had uncontrolled asthma. The percentage with uncontrolled asthma was higher among boys (49.9%) than among girls (36.2%) (sex at birth). No other statistically significant differences by demographic characteristics were observed. The level of asthma control varies by state but does not seem to follow a specific geographic pattern. The percentage with uncontrolled asthma for children ranged from 32.3% in Indiana to 62.1% in New York (Table).

Percentage With Uncontrolled Asthma by Demographics



Abbreviations: NH, Non-Hispanic; SE, Standard error; CI, confidence interval

Characteristic	Percent	95% CI	SE	y-error bar (=1.96*SE)
Male	49.9	43.2–56.5	2.42	6.7
Female	36.2	29.6–43.4	3.53	6.9
0–4 years	45.8	32.3–60.0	7.24	14.2
5–11 years	46.6	38.2–55.1	4.36	8.5
12–17 years	40.6	34.5–47.1	3.26	6.4
NH White	39.1	33.7–44.8	1.51	5.5
NH Black	46.2	34.1–58.7	4.42	12.6
Hispanic	48.6	35.1–62.2	3.32	13.9
NH Other	48.2	37.1–59.6	4.36	11.4

STATE §	Children With Current [†] and Uncontrolled Asthma*		
	%	95% CI	SE
Total¶	44.0	38.9–49.2	2.63
CA	37.9	24.5–53.4	7.57
CT	37.7	27.1–49.7	5.85
FL	42.0	28.3–56.6	7.27
GA	60.3	43.5–74.9	8.25
HI	33.5	21.0–48.9	7.25
IN	32.3	22.2–44.4	5.74
KS	52.9	42.0–63.5	5.57
ME	49.5	37.2–61.8	6.39
MI	47.8	39.0–56.8	4.56
MN	38.7	29.6–48.7	4.91
MO	47.9	33.2–63.0	7.82
MT	37.4	23.4–54.0	8.03
NE	42.4	29.7–56.2	6.93
NM	37.0	23.5–52.9	7.71
NY	62.1	44.1–77.2	8.74
OH	37.8	26.4–50.7	6.33
PA	36.3	23.0–52.2	7.63
RI	40.7	25.4–58.1	8.63
UT	54.5	44.7–63.9	4.94
VT	53.7	41.4–65.6	6.28
WI	36.4	23.7–51.3	7.18

Source: Behavioral Risk Factors Surveillance System (BRFSS)—Child Asthma Call-back Survey Data, 2018–2020

*National Asthma Education and Prevention Program Expert panel report 3: Guidelines for the Diagnosis and Management of Asthma, 2007. Available at: https://www.ncbi.nlm.nih.gov/books/NBK7232/pdf/Bookshelf_NBK7232.pdf

†Includes persons who answered “yes” to the questions: “Have you ever been told by a doctor, nurse, or other health professional that you had asthma?” and “Do you still have asthma?”

§Includes states with 3 years of data.

¶Total includes the listed states.

CDC’s National Asthma Control Program (NACP) was created in 1999 to help the millions of people with asthma in the United States gain control over their disease. The NACP conducts national asthma surveillance and funds states to help them improve their asthma surveillance and to focus efforts and resources where they are needed.



Centers for Disease Control and Prevention
National Center for Environmental Health