

AsthmaStats

Flu Vaccination Among Children With Current Asthma, 2018–2020

Sixty-nine percent of children with current asthma received flu vaccination

Influenza virus infection (flu) can worsen asthma symptoms, trigger asthma attacks, and may lead to pneumonia.* Vaccination (shot or nasal spray) is the best protection against flu. Centers for Disease Control and Prevention (CDC) recommends that people 6 months of age and older get a flu vaccination† every year to protect against flu and complications from it. The flu nasal spray is approved only for ages 2–49 years.*

Sixty-nine percent of children with current asthma† received flu vaccination during 2018–2020. The vaccination percentage did not differ significantly by demographic characteristics (Table 1). The percentage of children (aged 0–17 years) with current asthma who had flu vaccination varied by state. The percentage ranged from 52.6% in Michigan to 91.2% in Connecticut (Table 2).

Percentage of Children With Current Asthma Who Received Flu Vaccination by Demographics, 2018–2020

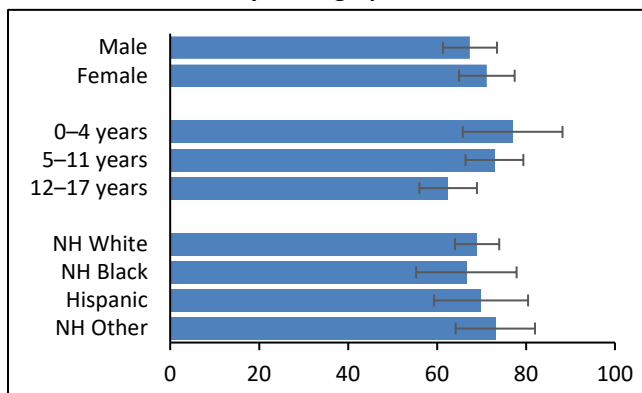


Table 1. Percentage of Children With Current Asthma Who Received Flu Vaccination by Demographics, 2018–2020

Characteristics	Percent	95% CI	SE	Y-error bar (=1.96*SE)
Male (sex at birth)	67.4	(61.0–73.1)	3.10	6.1
Female (sex at birth)	71.2	(64.6–77.1)	3.19	6.3
0–4 years	77.0	(63.9–86.3)	5.72	11.2
5–11 years	72.9	(66.0–78.9)	3.32	6.5
12–17 years	62.5	(55.8–68.7)	3.30	6.5
NH White	69.0	(63.8–73.7)	2.54	5.0
NH Black	66.6	(54.5–76.8)	5.76	11.3
Hispanic	69.9	(58.4–79.3)	5.39	10.6
NH Other	73.1	(63.3–81.0)	4.55	8.9

STATE	Table 2. Flu vaccination† among children aged 0–17 years with current asthma¶		
	%	% 95% CI	SE
Total§	69.0	(64.5–73.2)	2.20
CA	79.8	(67.6–88.2)	5.26
CT	91.2	(85.4–94.8)	2.34
FL	55.9	(40.8–69.9)	7.65
GA	57.5	(41.3–72.2)	8.12
HI	73.1	(59.0–83.7)	6.35
IN	62.3	(48.5–74.4)	6.76
KS	71.4	(60.3–80.5)	5.20
ME	74.2	(62.0–83.5)	5.51
MI	52.6	(43.3–61.7)	4.73
MN	73.8	(64.5–81.4)	4.32
MO	70.1	(56.6–80.8)	6.28
MT	54.3	(37.8–69.9)	8.47
NE	75.9	(65.0–84.3)	4.93
NM	67.4	(50.1–81.0)	8.08
NY	73.0	(54.2–86.1)	8.03
OH	71.1	(59.1–80.7)	5.55
PA	66.5	(49.6–80.1)	7.99
RI	80.4	(63.5–90.6)	6.90
UT	64.8	(56.0–72.6)	4.26
VT	72.4	(61.0–81.5)	5.29
WI	62.0	(46.6–75.3)	7.52

Abbreviation: NH, Non-Hispanic; SE, standard error; CI, confidence interval

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

*<https://www.cdc.gov/flu/asthma/index.htm>

†Includes “yes” response to either question: “A flu shot is an influenza vaccine injected in your arm. During the past 12 months, did {CHILD’S NAME} had a flu shot?” or “A flu vaccine that is sprayed in the nose is called FluMist™. During the past 12 months, did {he/she} have a flu vaccine that was sprayed in his/her nose?”

¶Includes persons who answered “yes” to the questions: “Have you ever been told by a doctor or other health professional that {CHILDName} had asthma?” and “Does {he/she} still have asthma?”

§Total includes the 21 participating 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.

