

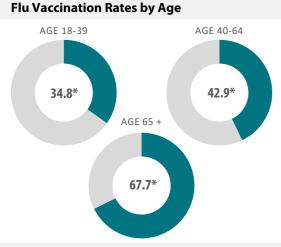
A STATE-LEVEL LOOK AT FLU VACCINATION RATES AMONG KEY POPULATION SUBGROUPS

SHADAC's analysis of 2017-2019 Behavioral Risk Factor Surveillance System (BRFSS) Data.

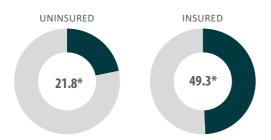
North Carolina

Though there is no consensus on one singular figure needed to achieve what is commonly known as "herd immunity" (i.e., sufficient levels of COVID vaccinations in order to achieve protective population immunity) scientists and researchers have generally agreed on a range of 70-90% of the population being vaccinated. For simplicity, we use the lower end of the target range (70%) as a comparison for these state profiles.

Using data from the U.S. Centers for Disease Control and Prevention's (CDC) Behavioral Risk Factor Surveillance System (BRFSS) survey, these profiles give a deeper look into flu vaccination rates across the states among U.S adults (age 18 +) as a proxy to identify population subgroups that may be harder to reach with a COVID-19 vaccine.

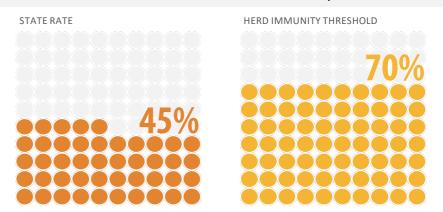


Flu Vaccination Rates by Insurance Status



* Significantly different from the statewide rate (adults age 18+) at 95% confidence level

State Flu Vaccination Rate vs. COVID-19 Herd Immunity Threshold



Flu Vaccination Rates by Race/Ethnicity

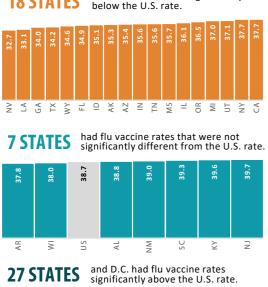


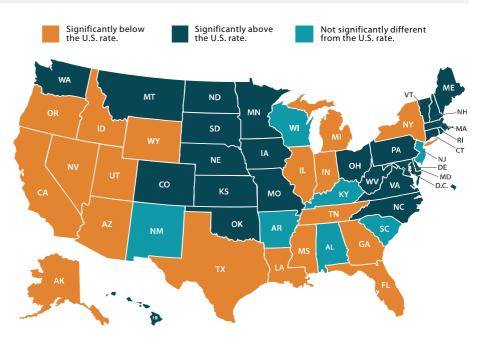
Flu Vaccination Rates by Household Income



State vs. National Adult Flu Vaccination Rates

had flu vaccine rates significantly





CLICK HERE

to access SHADAC's related brief: Anticipating COVID-19 Vaccination Challenges through Flu Vaccination Patterns

to visit SHADAC's State Health Compare for more data on flu vaccination rates in the states

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A STATE-LEVEL LOOK AT FLU VACCINATION RATES AMONG KEY POPULATION SUBGROUPS

SHADAC's analysis of 2017-2019 Behavioral Risk Factor Surveillance System (BRFSS) Data.

		North Carolina			United States	
North Carolina	Percent	Diff. from All Adults	Diff. from U.S. rate	Percent	Diff. from All Adults	
All Adults Age 18+	45.4		6.7*	38.7		
Age						
18-39	34.8	-10.5*	6.3*	28.5	-10.2*	
40-64	42.9	-2.4*	5.7*	37.2	-1.5*	
65+	67.7	22.4*	8.4*	59.4	20.7*	
Race/Ethnicity						
White	48.4	3.0*	6.7*	41.7	3.0*	
Black/African American	42.2	-3.2*	9.4*	32.8	-5.9*	
Hispanic	34.2	-11.2*	3.2	30.9	-7.7*	
Asian/Pacific Islander	45.2	-0.1	3.9	41.4	2.7*	
American Indian/Alaska Native	33.7	-11.6*	-0.2	33.9	-4.8*	
Other/multiple	36.0	-9.4*	1.1	34.9	-3.8*	
Sex						
Male	41.8	-3.5*	6.5*	35.4	-3.3*	
Female	48.5	3.1*	6.7*	41.8	3.1*	
Chronic Condition Status						
No chronic conditions	41.6	-3.8*	6.1*	35.4	-3.3*	
1+ chronic conditions	56.6	11.3*	7.5*	49.1	10.5*	
Health Insurance Coverage						
Uninsured	21.8	-23.6*	4.2*	17.6	-21.1*	
Insured	49.3	3.9*	7.6*	41.6	2.9*	
Access to Care						
No personal doctor	23.8	-21.6*	3.7*	20.1	-18.6*	
Has personal doctor	51.4	6.0*	7.3*	44.1	5.4*	
Educational Attainment (Age 25+)						
All Adults Age 25+	46.8		6.7*	40.2		
Less than high school	43.3	-3.6*	9.2*	34.0	-6.1*	
High school graduate	42.9	-3.9*	7.3*	35.6	-4.6*	
Some college or associate's degree	45.1	-1.7*	6.3*	38.8	-1.4*	
Bachelor's degree or higher	53.7	8.7*	5.8*	47.9	9.2*	
Household Income						
Less than \$25,000	42.7	-2.7*	7.9*	34.8	-3.9*	
\$25,000 to \$49,999	42.1	-3.2*	5.6*	36.5	-2.2*	
\$50,000 to \$74,999	43.9	-1.4	5.3*	38.6	-0.1	
\$75,000 or more	50.2	4.9*	7.4*	42.8	4.1*	

Notes: Adults defined as 18 years of age and above, except where explicitly noted under the educational attainment. All differences are statistically significant at the 95% confidence level. Source: SHADAC analysis of the 2017-2019 Behavioral Risk Factor Surveillance System (BRFSS) public use files on statehealthcompare.shadac.org