

Effectiveness of Vaccine

U.S. health officials have confirmed fewer than 6,000 cases of Covid-19 in fully vaccinated Americans. (*Fully vaccinated are people 2 weeks past their second shot with the 2 shot vaccinations, or 2 weeks past the single dose of J & J vaccine*). This number represents only 0.007% or 7 in 1000 persons of the 84 million who have been fully vaccinated. (published on CNBC April 19, 2021)

Vaccine Effectiveness: Information found at: https://www.cdc.gov/coronavirus/2019-ncov/vaccines/effectiveness.html?s_cid=10536:%2Bis%20%2Bthere%20%2Bcovid%20%2Bvaccine:sem.b:p:RG:GM:gen:PTN:FY21

Vaccine Effectiveness

- All COVID-19 vaccines currently available in the United States **are effective** at preventing COVID-19 as seen in clinical trial settings.
- Research provides growing evidence that mRNA COVID-19 vaccines offer similar protection in real world conditions.
- COVID-19 vaccination is an important tool to help stop the COVID-19 pandemic.
- COVID-19 vaccination helps protect people from getting sick or severely ill with COVID-19 and might also help protect people around them.
- To receive the most protection, people should **receive all recommended doses** of a COVID-19 vaccine.
- Some people who are fully vaccinated against COVID-19 will still get sick because no vaccine is 100% effective. Experts continue to monitor and evaluate how often this occurs, how severe their illness is, and how likely a vaccinated person is to spread COVID-19 to others.
- CDC recommends you get a COVID-19 vaccine as soon as one is available to you.

What is already known about this topic? (Effectiveness of Covid vaccines)

Health care personnel (HCP) are at high risk for COVID-19. The early distribution of two mRNA COVID-19 vaccines (Pfizer-BioNTech and Moderna) to HCP provided an opportunity to examine vaccine effectiveness in a real-world setting.

What is added by this report?

The first U.S. multisite test-negative design vaccine effectiveness study among HCP found a single dose of Pfizer-BioNTech or Moderna COVID-19 vaccines to be 82% effective against symptomatic COVID-19 and 2 doses to be 94% effective. (fully vaccinated is 2 weeks after second shot).

What are the implications for public health practice?

The mRNA vaccines are highly effective at preventing symptomatic COVID-19 among U.S. HCP. High vaccination coverage among HCP and the general population is critical to prevent COVID-19 in the United States

To get the most up to date information you can go to the cdc website at:

<https://www.cdc.gov/coronavirus/2019-ncov/index.html>