



COVID-19

To maximize protection from the [Delta variant](#) and prevent possibly spreading it to others, wear a mask indoors in public if you are in an [area of substantial or high transmission](#).

Ensuring COVID-19 Vaccines Work

Updated May 10, 2021

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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.



Do COVID-19 vaccines work?

Are COVID-19 vaccines safe?

Related Research

[MMWR: Effectiveness of Pfizer-BioNTech and Moderna Vaccines Against COVID-19 Among Hospitalized Adults Aged \$\geq 65\$ Years — United States, January–March 2021](#)

[MMWR: Interim Estimates of Vaccine Effectiveness of BNT162b2 and mRNA-1273 COVID-19 Vaccines in Preventing SARS-CoV-2 Infection Among Health Care Personnel, First Responders, and Other Essential and Frontline Workers — Eight U.S. Locations, December 2020–March 2021](#)

[MMWR: Effectiveness of the Pfizer-BioNTech COVID-19 Vaccine Among Residents of Two Skilled Nursing Facilities Experiencing COVID-19 Outbreaks — Connecticut, December 2020–February 2021](#)

Information about Vaccine Effectiveness

[COVID-19 Vaccines Work](#)

[How CDC Measures COVID-19 Vaccine Effectiveness](#)

[Why CDC Measures COVID-19 Vaccine Effectiveness](#)

[CDC's COVID-19 Vaccine Effectiveness Research](#)

[Possibility of COVID-19 Illness After Vaccination](#)



For Healthcare Professionals

[COVID-19 Clinical Resources](#)

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