

# Study: Vaccinated people had lower risk of severe COVID-19 outcomes

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Among people who had COVID-19, those who had received the latest vaccine had a lower risk of having a severe outcome than those who had not, according to new Cleveland Clinic research [published](#) in *The Lancet Infectious Diseases*.

Coupled with antiviral treatments such as nirmatrelvir and molnupiravir, updated versions of Moderna, Pfizer-BioNTech and Novavax COVID-19 vaccines significantly lowered the likelihood of hospitalization and death from currently circulating COVID-19 variants.

The study included more than 27,000 [patients](#) age 12 and older who tested positive for COVID-19 between September and December 2023. The researchers found that the updated vaccines and [antiviral drugs](#) reduced the risk of severe COVID-19 by 31% and 42% respectively, particularly in older individuals and those who are immunocompromised. Furthermore, the study observed consistent efficacy across various subvariants of SARS-CoV-2.

Although the research had some limitations, the results underscore the potential significance of XBB.1.5 vaccines and antiviral treatments as vital tools in combating the ongoing COVID-19 pandemic.

**More information:** Dan-Yu Lin et al, Effectiveness of XBB.1.5 vaccines and antiviral drugs against severe outcomes of omicron infection in the USA, *The Lancet Infectious Diseases* (2024). [DOI: 10.1016/S1473-3099\(24\)00150-6](#)

Provided by Cleveland Clinic

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