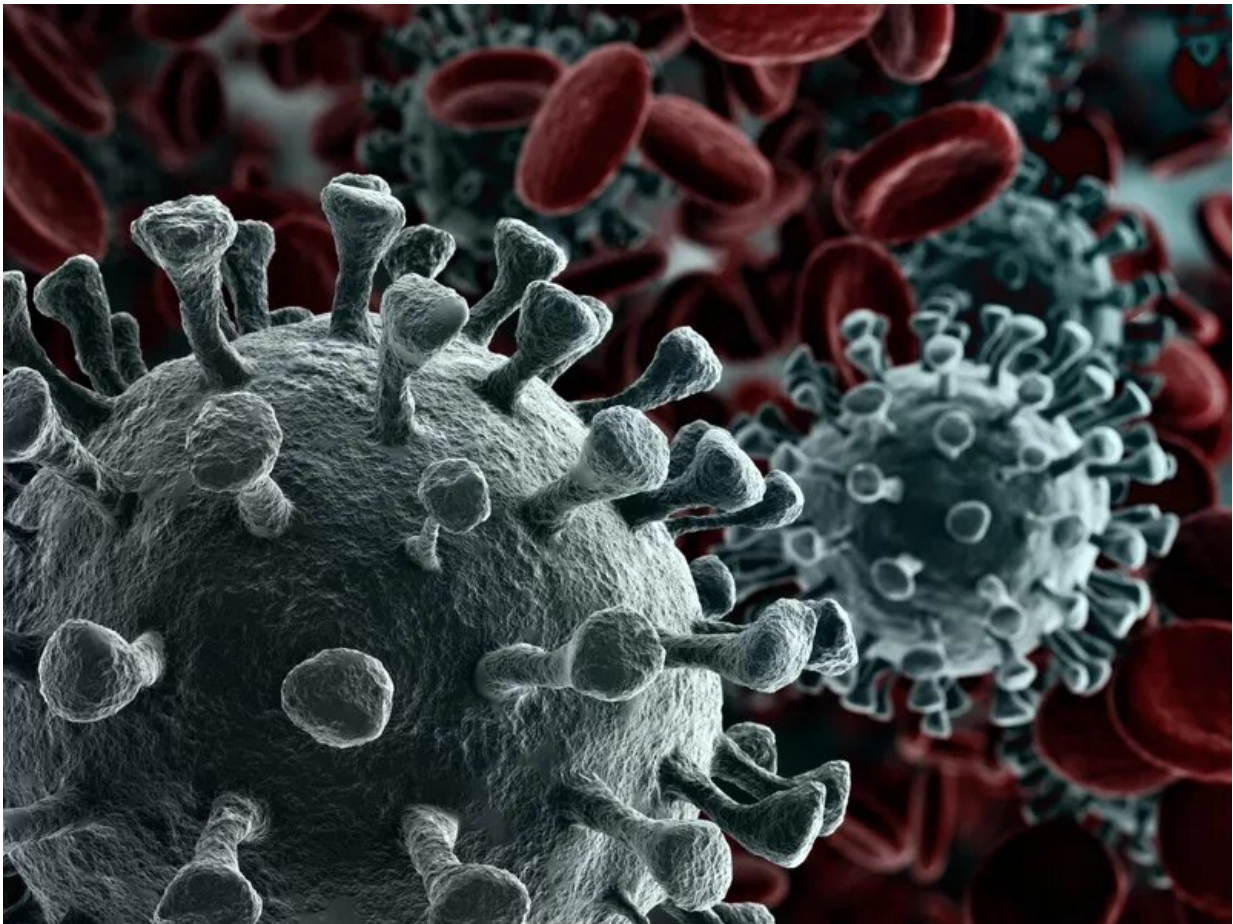


How many days do COVID antibodies stick around?

June 3 2022



Adults who get COVID-19 could have antibodies circulating in their

blood for nearly 500 days after infection, new research suggests.

"We now have a good estimate of how long [antibodies](#) last after a COVID-19 [infection](#)," said study author Michael Swartz, an associate professor and vice chair of biostatistics at the University of Texas Health Science Center at Houston. "Our research shows that the level of [antibodies](#) in those previously infected increases for the first 100 days post-infection and then gradually declines over the next 500 days and beyond."

For the new study, Swartz and his team analyzed data from more than 57,000 volunteers older than 20 enrolled in the Texas CARES survey. It was launched in October 2020 to track COVID-19 antibody status over time.

Most of the volunteers self-reported a COVID-19 infection before October 2020. The researchers examined [blood samples](#) collected from participants between Oct. 1, 2020, and Sept. 17, 2021.

While individual results varied based on age, weight, smoking or vaping, and severity of infection, all of the [volunteers](#) had a similar decrease in antibodies, according to the report published recently in *The Journal of Infectious Diseases*.

Even though antibodies can last for nearly 1.5 years after COVID-19 infection, Swartz emphasized that [vaccination](#) provides the best protection against infection, reinfection and hospitalization.

"We know that the rates of reinfection or hospitalization after being vaccinated are a lot lower than not being vaccinated, especially against other variants like we saw with Delta and Omicron," he said in a university news release. "So, if you haven't been vaccinated, now is the time to do it."

Previous research from Texas CARES showed that children had circulating antibodies for at least seven months after a COVID-19 infection.

More information: For more about COVID-19 antibodies, visit the [U.S. Centers for Disease Control and Prevention](#).

Michael D. Swartz et al, Antibody duration after infection from SARS-CoV-2 in the Texas Coronavirus Antibody Response Survey., *The Journal of Infectious Diseases* (2022). [DOI: 10.1093/infdis/jiac167](https://doi.org/10.1093/infdis/jiac167)

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