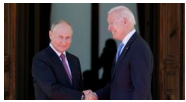


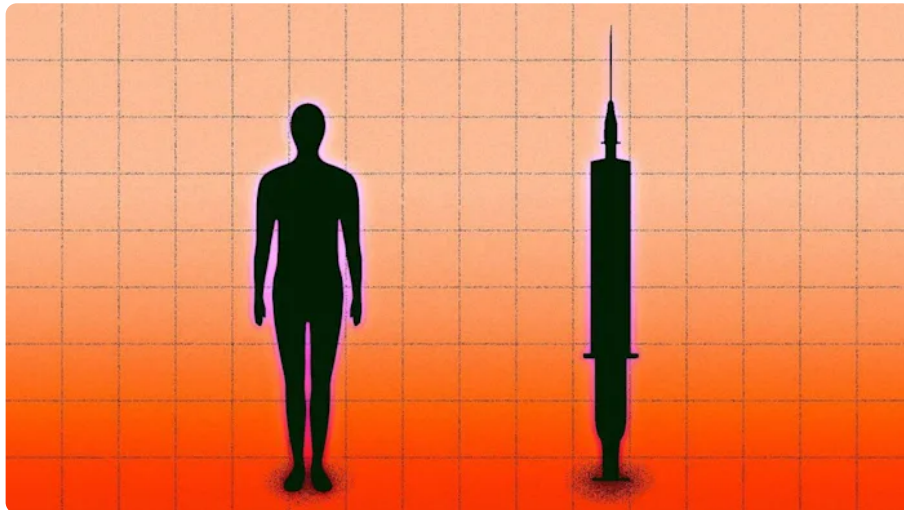
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AXIOS

How prior coronavirus infections factor into herd immunity



Caitlin Owens

Wed, June 16, 2021, 5:00 AM · 2 min read

People who were previously infected with the coronavirus have some level of protection against

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immunity, previous infections count for something. But protection from both vaccines and infections likely decreases over time, and getting at least one shot of a vaccine increases people with prior infections' level of protection against variants.

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Driving the news: Evidence is growing that prior COVID infections protect against future ones.

- A study [published in Nature](#) earlier this week found that people infected with the coronavirus retain relevant immune responses a year later, regardless of whether they were vaccinated. However, those who were vaccinated had stronger responses.

Yes, but: We don't know how long immunity lasts.

- Just as vaccinated people may eventually need a vaccine booster to strengthen their immune response, people with previous infections can benefit from getting at least one shot.
- "One dose of the mRNA vaccines boosts your antibody response right up," said John Moore, a professor and virologist at Cornell. "So natural infections, those give you a degree of protection, but it's boosted — in a highly relevant way — by vaccination."
- "With antibody-resistant variants on the spread, getting the vaccine is an important thing to do," he added.

Between the lines: Americans started getting infected with the coronavirus nearly a year before the vaccination campaign began, meaning that people who were infected a while ago may have a decreased level of protection than those who were

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Coronavirus infections dropping where people are vaccinated, rising where they are not, Post analysis finds
Washington Post





prior infections.

What they're saying: "Some 80% to 85% of American adults are immune to the virus: More than 64% have received at least one vaccine dose and, of those who haven't, roughly half have natural immunity from prior infection," Marty Makary, a professor at the Johns Hopkins School of Medicine, Bloomberg School of Public Health, wrote earlier this month in an op-ed in the [Wall Street Journal](#). "There's ample scientific evidence that natural immunity is effective and durable."

The bottom line: Calculating the level of "herd immunity" in the U.S. is complex.

- "You can make an argument that you can add these numbers up, but it's not a direct 1 + 1 = 2. It's more complicated than that, and I don't know how to quantify it," Moore said.

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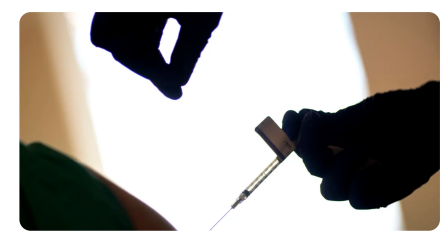
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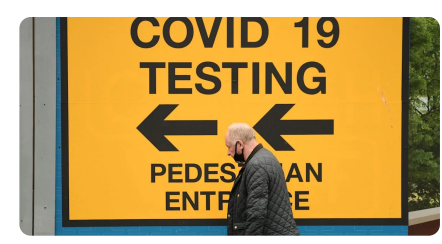
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I'm glad the absurdly named 'freedom day' is being postponed

The Independent



...tural immunity' for people who have had Covid

the telegraph

COVID-19 VACCINE: PROTECTION AGAINST DELTA VARIANT

U.K. Studies: 2 doses of vaccine highly effective at preventing hospitalization

- Pfizer vaccine: 90% effective (preventing hospitalization)
- Astra-Zeneca: 92% effective (preventing hospitalization)

Source: Lancet





Encouraging news about COVID-19 vaccine against Delta variant

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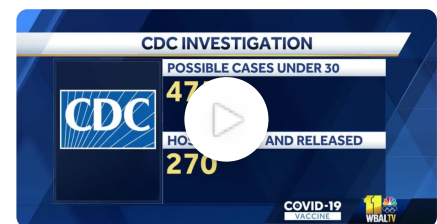
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Yahoo News Canada



Myocarditis Cases With Vaccine





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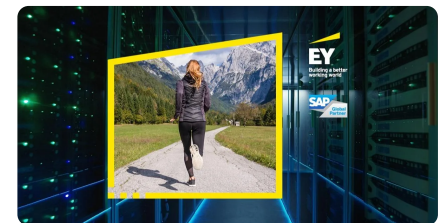
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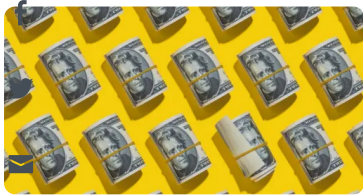
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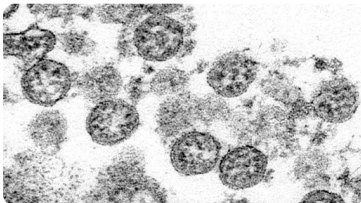


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A Washington Post analysis based on CDC data showed that the number of COVID-19 cases were dropping where most people were vaccinated.

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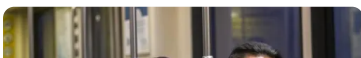


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As Lebanon's economy collapses, even the wealthy are no longer immune

At the cocktail bar on my block, barkeeper Nino fixes a decent Sazerac but says he won't be able to keep making them for much longer. The drink, priced at something like \$27 at...

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