



the Defender™

CHILDREN'S HEALTH DEFENSE NEWS & VIEWS

Whistleblowers Welcome! Help Humanity – Securely Share COVID-19 Corruption

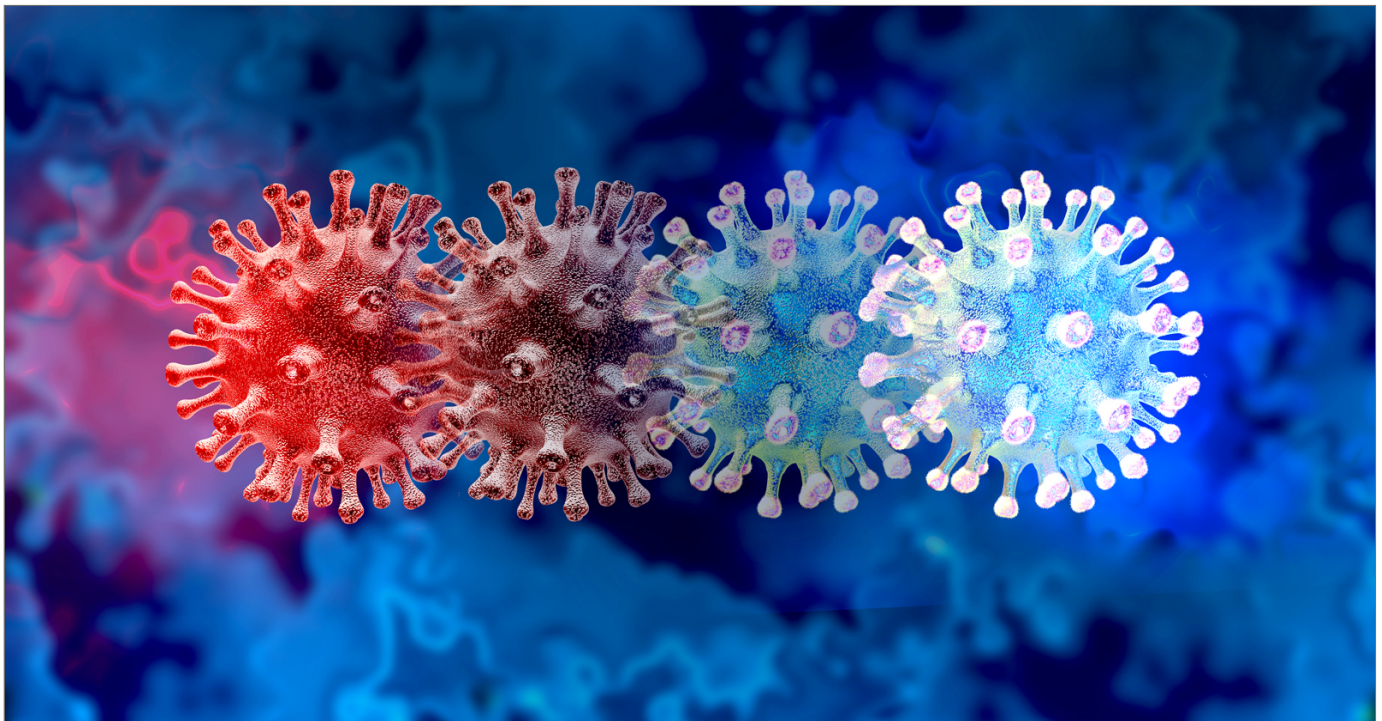
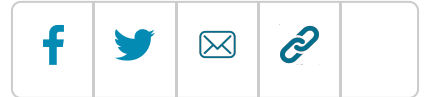
08/03/21 • BIG PHARMA › NEWS

Scientist: 'What We're Seeing Is Virus Evolution 101' — Delta Variant More Transmissible, Not More Deadly

As COVID — especially the Delta variant — surges among the fully vaccinated, Brian Hooker, Ph.D., said the more the variant deviates from the original sequence used for the vaccine, the less effective the vaccine will be on that variant.

By **Megan Redshaw**

175



We use cookies to ensure that we give you the best experience on our website. You consent to our cookies if you continue to use our website.

Ok Privacy policy

with the Delta variant.”

The CDC's statement, however, [stands in contrast](#) to what the director of Israel's Public Health Services told viewers of the CBS program “[Face the Nation](#)” on Sunday — that 50% of new infections reported in Israel are from fully vaccinated people.

[Dr. Anthony Fauci](#), director of the National Institute of Allergy and Infectious Diseases and chief medical advisor to President Biden, and Dr. Sharon Alroy-Preis, director of Israel's Public Health Services, were interviewed during the program.

Israel and the U.S. began administering [COVID](#) vaccines in December 2020.

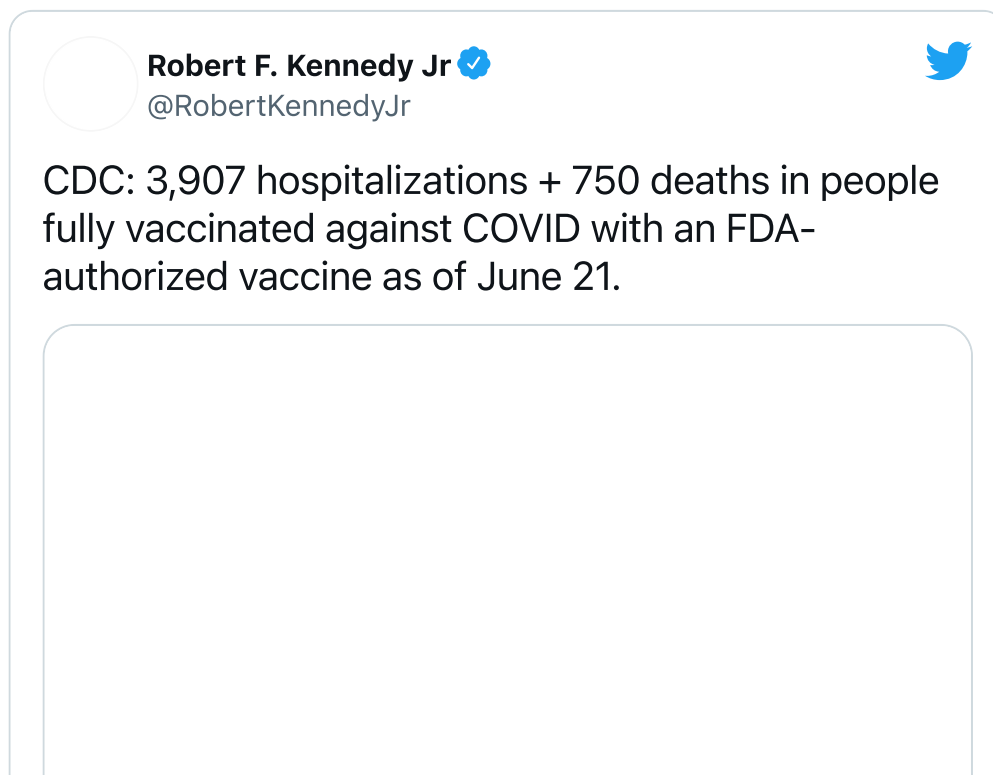
During the interview, Fauci [adhered to the CDC's position](#) — that breakthrough infections are happening only in a small proportion of fully vaccinated people — while Alroy-Preis said Israel is seeing breakthrough infections [occurring in 50%](#) of those who test positive for COVID.

Whistleblowers Welcome! Help Humanity – Securely Share COVID-19 Corruption

Despite mounting evidence COVID vaccine protection is [waning over time](#), Fauci told “Face the Nation”:

“...the predominant message is that if you are vaccinated and you get a breakthrough infection ... you're much, much more protected against getting infected than an unvaccinated [person] who is completely vulnerable.”

A [breakthrough](#) case refers to a person who is diagnosed with [COVID](#) after being fully vaccinated. A person is considered fully vaccinated 14 days after receiving the second dose of either the [Pfizer](#) or [Moderna](#) COVID vaccine, or two weeks after receiving the single-dose [Johnson & Johnson \(J&J\)](#) vaccine.



We use cookies to ensure that we give you the best experience on our website. You consent to our cookies if you continue to use our website.

Ok Privacy policy

9:21 PM · Jun 30, 2021



3.3K



See the latest COVID-19 information on Twitter

The CDC's [latest breakthrough numbers](#), as of July 25, show 6,587 fully vaccinated people with COVID breakthrough cases. Of those, 6,239 people were hospitalized and 1,263 people died.

In May, the CDC [revised its guidance](#) for reporting breakthrough cases, stating it would count only those cases that result in hospitalization or death. Previously, the agency had included in its breakthrough count anyone who tested positive for COVID.

According to the [CDC](#), the surveillance system for breakthrough cases is passive and relies on voluntary reporting from state health departments, which may not be complete.

In addition, some breakthrough cases will not be identified due to lack of testing. This is particularly true in instances of asymptomatic or mild illness, the CDC said.

NBC News investigated breakthrough cases not reported by CDC

[NBC News](#) contacted health agencies in 50 states and the District of Columbia to collect information on breakthrough cases, citing a lack of comprehensive data available from the CDC.

Data collected from 38 states showed more than 125,000 fully vaccinated Americans tested positive for COVID, and 1,400 died.

This conflicts with the CDC's data published July 26. Research by NBC News indicates the number who have been hospitalized or died passed 7,300 in just 30 states providing data.

The total number of breakthrough cases is likely higher than 125,683, as nine states, including Pennsylvania and Missouri, did not provide information, while 11 states did not provide death and hospitalization totals. Four states gave death and hospitalization numbers, but not total cases.

In addition, vaccinated adults who had breakthrough cases but showed no symptoms could be missing from the data altogether, officials told NBC.

Subscribe to The Defender – It's Free!

SIGN UP

We use cookies to ensure that we give you the best experience on our website. You consent to our cookies if you continue to use our website.

[Ok](#) [Privacy policy](#)

In Oklahoma, breakthrough cases are up by 67%, with incidents of breakthrough greater with J&J's vaccine than with Moderna.

Delta variant more transmissible, but not more pathogenic than original strain

World Health Organization (WHO) officials said they are still [trying to understand](#) why the Delta variant is more transmissible than the original COVID virus strain.

"There are certain mutations in the Delta variant that, for example, allow the virus to adhere to a cell more easily," said Dr. Maria Van Kerkhove, WHO'S technical lead on COVID, at a press briefing July 30. "There are some laboratory studies that suggest that there's increased replication in some of the modeled human airway systems."

The CDC warned lawmakers July 29 of new research indicating the Delta strain is more contagious than chickenpox. It also appears to have a longer transmission window than the original COVID strain, and may make older people sicker, even if they've been fully vaccinated, [CNBC reported](#).

Brian Hooker, Ph.D., P.E., [Children's Health Defense](#) chief scientific officer and professor of biology at Simpson University, said while the Delta variant is likely more transmissible, it's also likely less pathogenic. "What we're seeing is virus evolution 101," Hooker said.

Hooker explained:

"Viruses like to survive, so killing the host (i.e. the human who is infected) defeats the purpose because killing the host kills the virus, too.


"For this reason, new variants of viruses that circulate widely through the population tend to become more transmissible but less pathogenic. In other words, they will spread more easily from person to person, but they will cause less damage to the host."



Hooker said the more the variant deviates from the original sequence used for the vaccine, the less effective the vaccine will be on that variant, which could explain why fully vaccinated people are getting infected with the Delta variant. But this isn't the case for natural immunity, he explained.

Hooker said:

"The vaccine focuses on the [spike protein](#), whereas natural immunity focuses on the entire virus. Natural immunity — with a more diverse array of antibodies and T-cell receptors — will provide better protection overall as it has more targets in which to attack the virus, whereas vaccine-derived immunity only focuses on one portion of the virus, in this case, the spike protein. Once that portion of the virus has mutated sufficiently, the vaccine no longer is effective."

As [The Defender reported](#) Monday, vaccinated people may play a key role in aiding the evolution of COVID variants.



Robert F. Kennedy Jr. 
@RobertKennedyJr 

Scientific Reports research: highest risk for establishing a vaccine-resistant virus strain occurs

We use cookies to ensure that we give you the best experience on our website. You consent to our cookies if you continue to use our website.

Ok [Privacy policy](#)

Vaccinated People May Play Key Role in Aiding Evolution of M...

According to research published last week in Scientific Reports, the highest risk for establishing a vaccine-resistant virus strai...

childrenshealthdefense.org

11:33 PM · Aug 3, 2021



♡ 2.3K



See the latest COVID-19 information on Twitter

According to research [published](#) last week in Scientific Reports, the highest risk for establishing a vaccine-resistant virus strain occurs when a large fraction of the population has already been vaccinated but the transmission is not controlled.

The data was consistent with a [study](#) released July 30, by the CDC which showed vaccinated people may transmit the [Delta variant](#) — now responsible for [80% of COVID](#) cases in the U.S. — just as easily as the unvaccinated.

The team of scientists who published the data in [Scientific Reports](#) said their findings follow what's known as selective pressure — the force that drives any organism to evolve.

"Generally, the more people infected, the more the chances for vaccine resistance to emerge," [said](#) Fyodor Kondrashov of the Institute of Science and Technology Austria.

"So the more Delta is infectious, the more reason for concern," Kondrashov said. "By having a situation where you vaccinate everybody, a vaccine-resistant mutant actually gains a selective advantage."

U.S. senator and Kentucky state senator test positive for COVID despite being fully vaccinated

Sen. [Lindsey Graham](#) (R-S.C.) said Monday he tested positive for COVID despite being fully vaccinated, [The Hill reported](#).

Graham said:

"I started having flu-like symptoms Saturday night and went to the doctor this morning. I feel like I have a sinus infection and at present time I have mild symptoms. I will be quarantining for

We use cookies to ensure that we give you the best experience on our website. You consent to our cookies if you continue to use our website.

Ok Privacy policy

Sen. [Roy Blunt](#) (R-Mo.) warned reporters against sensationalizing the news about Graham, as it would “probably discourage some people at least from getting the vaccine.”

Blunt has been talking to CDC officials about how to make sure reports of fully vaccinated people getting COVID aren't overshadowed by the fact that it is less likely to result in a severe case.

Kentucky Sen. Alice Forgy Kerr also tested positive for COVID despite being fully vaccinated, she [announced on Facebook](#) Monday night.

Forgy Kerr said in the post three other family members who were also fully vaccinated tested positive in the last three weeks as well, [The Enquirer reported](#).

“Please be careful out there,” she wrote. “This Delta variant is a ‘new ballgame’ apparently.”

At least 233 staffers at two major hospitals test positive for COVID, majority vaccinated

At least 233 staffers at two major San Francisco hospitals [tested positive for COVID](#) — the majority of whom were fully vaccinated and became infected with the Delta variant.

Between 75% and 80% of the more than 50 staff members infected with COVID at Zuckerberg San Francisco General Hospital were fully vaccinated, Dr. Lukejohn Day, the hospital's chief medical officer, [told The New York Times](#) Saturday.

The University of California, San Francisco Medical Center said in a statement Friday, 153 of its 183 infected staff members had been fully vaccinated. Some of the cases were asymptomatic, but most involved mild to moderate symptoms with two requiring hospitalization, officials said.

Day said the number of staff infections reported in July is almost as many as during the peak of the winter surge. Despite the majority of staffers infected having been vaccinated, Day said without vaccinations the hospitalization rate would be much worse.

Yankee starting pitcher latest player to get COVID

The Yankees' top starting pitcher tested positive for the virus and will miss his next game, Manager Aaron Boone announced Monday.

“Gerrit will not be pitching tomorrow,” Boone said. “He's actually tested positive for COVID.”

Twice this season the [Yankees have had outbreaks](#) among fully vaccinated members that involved several players or staff, but Monday's news was limited to Cole.

Boone did not say whether Cole is vaccinated or not. The majority of COVID cases among Yankees players and staff this season have occurred in those who were fully vaccinated, [The Times reported](#).

Subscribe to The Defender – It's Free!

We use cookies to ensure that we give you the best experience on our website. You consent to our cookies if you continue to use our website.

[Ok](#) [Privacy policy](#)

SUGGEST A CORRECTION



Megan Redshaw

Megan Redshaw is a freelance reporter for The Defender. She has a background in political science, a law degree and extensive training in natural health.

[Sign up](#) for free news and updates from Robert F. Kennedy, Jr. and the Children's Health Defense. CHD is planning many strategies, including legal, in an effort to defend the health of our children and obtain justice for those already injured. Your [support](#) is essential to CHD's successful mission.

Republishing Guidelines

Children's Health Defense Comment Policy

We welcome relevant and respectful comments. Off-topic comments may be removed.

Please read our [Comment Policy](#) before commenting.



175 Comments

Children's Health Defense



1 Login ▾

Recommend 8

Tweet

Share

Sort by Best ▾

Join the discussion...

LOG IN WITH

OR SIGN UP WITH DISQUS

Name

Mary Ann Dowrick • 8 days ago

Oh dear, these experimental biologicals appear to be.....not working. What a shame they have been distributed in the millions, caused so many adverse events and deaths and now to top it off, they do not even work. Wow, did anyone see that coming? I think we did.

54 ^ | v 1 • Reply • Share ›

Get FREE News & Updates!

First Name

Last Name

We use cookies to ensure that we give you the best experience on our website. You consent to our cookies if you continue to use our website.

Ok Privacy policy