CDC Reports 28x More Fully Vaxxed Than Unvaxxed Hospitalized With COVID

By Kenneth Richard, Principia Scientific, 5 November 2021

A new CDC study (inadvertently?) finds 28 times more fully vaccinated patients (5,213) were hospitalized with COVID from June to September than the unvaccinated with prior infection (189) in nine U.S. states.

The CDC was apparently hoping this study would demonstrate the superiority of vaccination relative to natural immunity from a prior infection so they could compel more Americans to get vaccinated. It may have backfired.

CDC Centers for Disease Control and Prevention

Laboratory-Confirmed COVID-19 Among Adults Hospitalized with COVID-19—Like Illness with Infection-Induced or mRNA Vaccine-Induced SARS-CoV-2 Immunity — Nine States, January-September 2021

During January 1-September 2, 2021, a total of 201,269 among 89 of 1,020 (8.7%) unvaccinated, previously infected persons.

These findings differ from those of a retrospective records-based cohort study in Israel, †† which did not find higher protection for vaccinated adults compared with those with previous infection hospitalizations for COVID-19-like illness were identified, during a period of Delta variant circulation. This variation is possibly Laboratory-confirmed SARS-CoV-2 infection was identi- related to differences in the outcome of interest and restrictions on fied among 324 (5.1%) of 6,328 fully vaccinated persons and the timing of vaccination. The Israeli cohort study assessed any positive SARS-CoV-2 test result, whereas this study examined laboratory-confirmed COVID-19 among hospitalized patients. No. (column %)

Characteristic	Unvaccinated with previous SARS-CoV-2 infection	Fully vaccinated ⁵ without previous documented infection				
Site						
Columbia University	53 (5)		238 (4)			
HealthPartners	22 (2)		94 (1)			
Intermountain Healthcare	117 (11)		454 (7)			
Kaiser Permanente Northern California	254 (25)		3,614 (57)			
Kaiser Permanente Northwest	30 (3)		250 (4)			
Regenstrief Institute	390 (38)		1,145 (18)			
University of Colorado	154 (15)		533 (8)			
			No. (row %) of			
			SARS-CoV-2			
Outcome	To	otal no.	positive test results			
During Delta predominance (June-September 2021)** Fully vaccinated* without previous documented infection Unvaccinated with a previous SARS-CoV-2 infection	28 times more fully vaccinated hospitalized	5,213	306 (5.9) 19 (10.1)			

Out of 201,269 people hospitalized with "COVID-19-like illness" from January to September (2021) in 9 states, just 1,020 (0.5 percent) of the hospitalizations occurred in unvaccinated people previously infected with COVID. This is a remarkably small number considering the CDC has estimated 120.2 million Americans (36.8% of the US population) had already been infected with COVID by late May.

Out of these 1,020 unvaccinated COVID patients landing in the hospital from January to September, 89 (8.7 percent) had tested positive for COVID a second time. The CDC interpreted this to mean natural immunity was less protective against re-infection with symptomatic COVID than vaccination because the percentage of infected fully vaccinated people in the hospital was 5.1 percent, or 1.7 times less.

But the rather hidden internals of the paper reveal a remarkable statistic: there were 27.6 times more (5,213 vs. 189) fully vaccinated than unvaccinated patients with COVID who needed to be hospitalized from June to September.

Considering the prevalence of infection in the U.S. (probably 40-45 percent of the U.S. population had been infected by June to September if prevalence was 37 percent by late May), there is little likelihood there were 28 times more people vaccinated than already infected.

This would appear to contradict the very *vaccination-reduces-hospitalization* conclusion the CDC had intended to emphasize in the first place.

UK: 90 Percent Of New Infections And 89 Percent Of Deaths Over 70 Are In The Fully Vaccinated

During weeks 38 to 41 (October), 2021, the UK Health Security Agency <u>reports</u> there were 117,882 of 130,904 (90 percent) new COVID cases identified in people aged 40 to 49 years old and fully vaccinated.

And the fully vaccinated were 2.2 times more likely to be infected with COVID (1,731.3 vs. 772.9 new cases per 100,000) than the unvaccinated in the 40-49 age group. Also, the fully vaccinated were about 2 times more likely to be infected in age groups 50-59, 60-69, and 70-79. It was only in the under 30 age groups that the unvaccinated had higher infection rates than the vaccinated.



Table 2. COVID-19 cases by vaccination status between week 38 and week 41 2021

Cases reported by specimen date between week 38 and week 41 2021	Total	Unlinked*	Not vaccinated	Received one dose (1-20 days before specimen date)	Received one dose, ≥21 days before specimen date	Second dose ≥14 days before specimen date	Rates among persons vaccinated with 2 doses (per 100,000)	Rates among persons not vaccinated (per 100,000)
Under 18	397,882	24,292	351,148	10,698	11,001	743	314.1	3,013.6
18-29	62,885	7,512	20,902	758	8,404	25,309	462.1	615.4
30-39	92,257	7,346	21,726	636	6,545	56,004	956.7	751.1
40-49	130,904	7,297	13,022	293	3,800	106,492	1,731.3	772.9
50-59	88,020	4,790	5,399	80	1,632	76,119	1,075.3	528.6
60-69	45,155	2,614	1,872	24	617	40,028	704.1	347.1
70-79	27,360	1,559	658	12	215	24,916	537.9	267.6
≥80	11,907	854	382	7	215	10,449	406.8	304.1

October, 2021

Ages 40-49:

-117,882 of 130,904 (90%) infections were fully vaccinated -infection rates were 2.2 times higher among the fully vaccinated

The <u>latest report</u> for weeks 39 to 42 indicates 2,333 of 2,621 (89 percent) COVID deaths were in the fully vaccinated. Again, that's nearly 9 of every 10 deaths.

This death percentage is slightly lower than the percentage of 70+ fully vaccinated (more than 90 percent), and thus the UKHSA has emphasized that the unvaccinated are more at risk

with regard to probabilities. But this is little consolation in defending vaccine effectiveness when 89 percent of those dying are fully vaccinated.

assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1029606/Vaccine-surveillance-report-week-43.pdf

UK Health
Security
Agency
Week 43

Death within 60 days of positive COVID-19 test by date of death between week 39 and week 42 2021	Total**	Unlinked*	Not vaccinated	Received one dose (1-20 days before specimen date)	Received one dose, ≥21 days before specimen date	Second dose ≥14 days before specimen date¹
Under 18	5	0	4.	1	0	0
18-29	19	1	- 11	0	0	7
30-39	42	1	27	0	2	12
40-49	100	3	55	0	6	36
50-59	224	3	100	0	9	112
60-69	490	4	143	0	23	320
70-79	904	4	121	0	27	752
≥80	1,717	5	167	0	53	1,492

October, 2021:

2,333 of 2,621 (89.0%) deaths in the 70+ age groups were fully vaccinated

Image Source: **UK Health Security Agency**

Three Studies Find Vaccine Effectiveness Vanishes To Zero Percent After 5-7 Months

In a <u>study</u> on vaccine effectiveness in hundreds of thousands of Qatar residents we learn that protection against infection peaks at 72.1 percent 4 to 5 weeks after the second dose, and then it rapidly declines to 0 percent (i.e., no more protection than the unvaccinated) within 140 days, or 20 weeks and later.

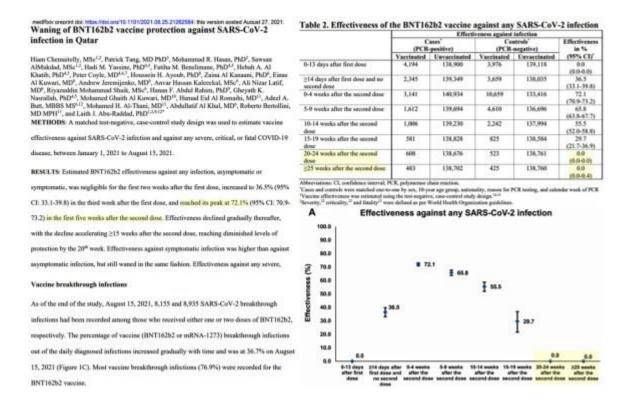


Image Source: Chemaitelly Et Al., 2021

Another <u>study</u> analyzed 11,889 infections in Israel and found infectiousness protection among the fully vaccinated "vanished" to the point there was no distinguishing the vaccinated from the unvaccinated within 180 days.

"[T]he viral load effectiveness declines with time post vaccination, significantly decreasing already after 3 months and effectively vanishing after about six months."

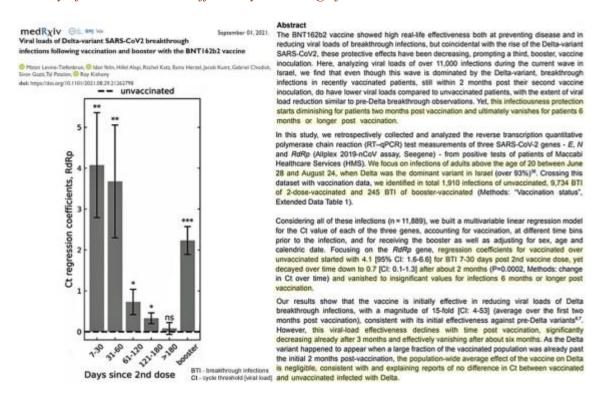


Image Source: Levine-Tiefenbrun Et Al., 2021

A nation-wide <u>study</u> of Sweden's mass vaccination campaign determined that vaccine effectiveness fell from 92 percent to 47 percent within 121-180 days after the second shot, and then "from day 211 and onwards no effectiveness could be detected."

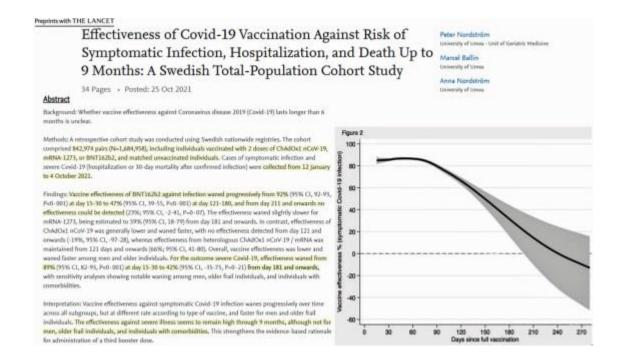


Image Source: Nordström Et Al., 2021

A disturbing <u>study</u> of 582 vaccine recipients (health care workers) found **48.4 percent were infected with COVID within 4 weeks after their first shot**, and 25.3 percent were infected with COVID within 3 months after their second shot.

It's as if these vaccines offer no protection at all.



Image Source: Ujjainiya Et Al., 2021

Natural Immunity From A Prior Infection Is Better Than Vaccines

In contrast to the rapidly-waning protection offered by COVID's "<u>leaky</u>" vaccines, <u>a</u> <u>collection of 96 studies</u> (as of 1 November) and counting compiled by an epidemiologist and 5 other MDs affirm a prior COVID infection (i.e., natural immunity) offers more and longer-lasting protection than vaccines do.

For example, according to <u>a compendium of 54 studies involving over 12 million people</u>, those who have already been infected with COVID are re-infected at a rate of only 0.2 percent (1 in 500) in the next 8 months after infection.



The prevalence of adaptive immunity to COVID-19 and reinfection after recovery, a comprehensive systematic review and meta-analysis of 12 011 447 individuals

Tawanda Chivese, Joshua Matizanadzo, Omran Musa, George Hindy, Luis Furuya-Kanamori,

Nazmul Islam, Rafal Al-Shebly, Rana Shalaby, Mohammad Habibullah, Talal Al-Marwani, Rizeq F Hourani, Ahmed D Nawaz, Mohammad Haider, Mohammed M Emara, Farhan Cyprian, Suhail A. R. Doi doi: https://doi.org/10.1101/2021.09.03.21263103

Using data from 54 studies with follow up time up to 8 months after recovery, during the period February 2020-February 2021, we found that, post-COVID-19, up to 90% of individuals had antibodies and memory T and B cells against SARS-CoV-2. We also found a pooled prevalence of reinfection of 0.2%, and that infection conferred an 81% decrease in odds of reinfection with SARS-CoV-2, compared to unimmunized individuals without previous COVID-19.

This review of 12 million individuals presents evidence that most individuals who recover from COVID-19 develop immunological memory to SARS-CoV-2, which was still detectable for up to 8 months. Further, reinfection after recovery from COVID-19 was rare during the first 8 months after recovery, with a prevalence below 1%, while prior infection confers protection with an odds ratio of 0.19 and a preventive efficacy of 80% at a baseline prevalence of 5% for COVID-19 in a community.

Image Source: Chivese Et Al., 2021

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