

Study finds Covid-19 Vaccines do not work after vaccinated patient sparked hospital outbreak among fully vaccinated leaving many in a critical condition whilst the unvaccinated were fine

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A [paper](#) published September 30th in Eurosurveillance raises questions about the legitimacy of "vaccine-generated herd immunity."

The study cites a Covid-19 outbreak which spread rapidly among hospital staff at an Israeli Medical Centre — despite a 96% vaccination rate, use of N-95 surgical masks by patients and full personal protective equipment worn by providers.

The [calculated rate of infection](#) among all exposed patients and staff was 10.6% (16/151) for staff and 23.7% (23/97) for patients, in a population with a 96.2% vaccination rate (238 vaccinated/248 exposed individuals).

The paper noted several transmissions likely occurred between two individuals both wearing surgical masks, and in one instance using full PPE, including N-95 mask, face shield, gown and gloves.

Of the 42 cases diagnosed in the outbreak, 38 were fully vaccinated with two doses of Pfizer mRNA vaccine, one had received only one vaccination and three were unvaccinated.

Of the infected, 23 were patients and 19 were staff members. The staff all

recovered quickly. However, eight vaccinated patients became severely ill, six became critically ill and five of the critically ill died. The two unvaccinated patients tracked had mild COVID cases.

Table. Case data, nosocomial COVID-19 outbreak, Israel, July 2021 (n = 23)

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Case	Age group (years)	Gap (days) vaccine to diagnosis	Cq	COVID-19 maximal disease severity	Died
Index	70-79	169	13.6	Critical	Yes
1	80-89	172	15	Critical	Yes
2	50-59	175	18	Severe	No
3	60-69	176	17.6	Severe	No
4	80-89	181	20.5	Severe	No
6	40-49	143	15	Moderate	No
7	70-79	182	16	Critical	Yes
9	50-59	Not vaccinated	24	Mild	No
10	80-89	171	28	Severe	No
Na	60-69	168	18.5	Severe	No
Na	70-79	182	36	Mild	No
Na	80-89	177	31.8	Severe	No
Na	70-79	187	22	Critical	No
Na	70-79	184	14	Severe	No
Na	80-89	186	21	Asymptomatic	No
Na	90-99	173	18	Critical	Yes
Na	70-79	174	38	Severe	No
Na	70-79	176	NA	Mild	No
Na	90-99	176	NA	Critical	Yes
Na	80-89	188	NA	Mild	No
Na	60-69	183	27	Asymptomatic	No
Na	80-89	Not vaccinated	NA	Mild	No
Na	50-59	152	21.3	Asymptomatic	No

[Source](#)

The authors concluded:

“This communication ... challenges the assumption that high universal vaccination rates will lead to [herd immunity](#) and prevent COVID-19 outbreaks ... In the outbreak described here, 96.2% of the exposed population was vaccinated. Infection advanced rapidly (many cases became symptomatic within 2 days of exposure), and viral load was high.”

[According to the paper](#), the outbreak **originated from a fully vaccinated haemodialysis patient** in his/her 70s who was admitted with fever and cough and placed in a room with three other patients.

The patient had not been tested for SARS-CoV-2 on admission day, because his/her symptoms were mistaken for a possible bloodstream infection exacerbating congestive heart failure.

To determine the source of the outbreak, researchers conducted [phylogenetic analysis](#) on the whole-genome SARS-CoV-2 sequences that were available for 12 cases in the outbreak, including staff and patients from Wards A, B and C and dialysis departments.

All were allegedly infected with the Delta variant and epidemiologically and phylogenetically connected to the same outbreak, except for one case. That case and three staff members were not considered part of the outbreak.

"This is a very interesting paper and it is scientifically very sound," said Dr. Brian Hooker, Ph.D., P.E., Professor of Biology at Simpson University.

"The breakthrough rate of 96.2% of the vaccinated population shows that in this instance, the vaccine was virtually useless in preventing transmission," Hooker said. "It should also be noted the two reported cases among unvaccinated patients were mild, whereas six of the vaccinated patients died."

According to a [new pre-print study](#) submitted for peer review, Pfizer/BioNTech vaccine antibodies disappear within seven months.

Six months after receiving the second dose of Pfizer's two-shot vaccine, many recipients [no longer have vaccine-induced antibodies](#) that can immediately neutralize worrisome SARS-CoV-2 variants.

Researchers analysed blood samples from 46 healthy, mostly young or

middle-aged adults after receipt of the two doses and again six months after the second dose.

“Our study shows vaccination with the Pfizer-BioNtech vaccine induces high levels of neutralizing antibodies against the original vaccine strain, but these levels drop by nearly 10-fold by seven months” after the initial dose, Bali Pulendran of Stanford University and Mehul Suthar of Emory University said in an [email to Reuters](#).

In roughly half (47%) of all subjects, neutralizing antibodies that can block infection against alleged Covid-19 variants, such as Delta, Beta and Mu, were undetectable at six months after the second dose, [the study showed](#).

Neutralizing antibodies are not the immune system’s only defense against the virus. Still, they “are critically important in protecting against SARS-CoV-2 infection,” said Pulendran and Suthar.

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