

Flawed Study Paints Unjabbed as a Threat

by Universal Health Organization (28 Apr 2022)



A [study](#) was published in the Canadian Medical Association Journal (CMAJ) titled “Impact of population mixing between vaccinated and unvaccinated subpopulations on infectious disease dynamics: implications for SARS-CoV-2 transmission”, on 25 Apr 2022. Set in the context of Covid-19 and based on a simulation model study of various mixes of unjabbed and jabbed populations, the study concluded that the unjabbed pose a risk to the jabbed. This immediately made much waves in the media in various parts of the world: [WION News](#), [The Hamilton Spectator](#), [NDTV \(India\)](#), [DNA \(India\)](#), [Times Now \(India\)](#), etc.

The above conclusion of the study goes against the layperson observation that highly jabbed populations have faced repeated surges: e.g. Israel, various countries in Europe, USA, etc., while populations with only a low percentage of people jabbed haven’t had surges: India, various African countries, etc. In fact in many places like Singapore, South Korea, Hong Kong, etc. even the first surge happened only after a high percentage of the population was jabbed. [Data references: [Our World in Data](#)].

The publication’s conclusion not only is against layperson observation, but also against other careful statistical studies. As early as Sep 2021, a [study](#) titled “Increases in COVID-19 are unrelated to levels of vaccination across 68 countries and 2947 counties in the United States” looked at statistical correlation between jab levels and reported Covid-19 cases, and in fact found a slight positive correlation: higher level of jabs was correlated positively with higher Covid-19 cases. Post this statistical study, with arrival of Omicron, further data from around the world has shown that infection rates are *higher* in jabbed (even boosted) populations. For instance, the [graph](#) below shows the test positivity rates for various levels of jabs in the U.S. It is clear that the jab does nothing to prevent infection, in fact it likely increases the chance of testing positive.

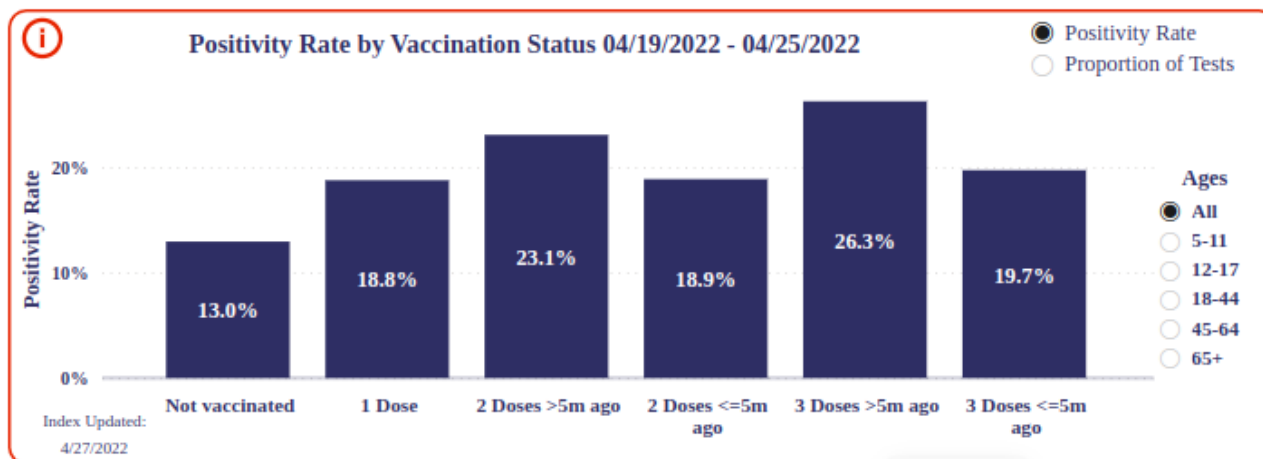


Figure 1: Screenshot taken on 28 Apr 2022 from <https://www.walgreens.com/businesssolutions/covid-19-index.jsp> (page-3)

Despite all the above, how did the CMAJ study arrive at the conclusion it did? Let us now look at the technical merit of the study. First, we note that it is a *simulation study*, not real-world data. In science, while simulations can be useful in many situations, real-world data has much more merit since no simulation can capture reality perfectly.

A closer look at the details of the simulation study reveals deep technical problems, listed below.

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1. The study says “We did not model waning immunity”. There is a preponderance of studies as well as real-world data showing waning immunity of the current Covid-19 jabs. The jab efficacy against [symptomatic infection](#) as well as [hospitalization](#) is known to be waning within 3-6 months. Therefore not modeling waning immunity is a clear mismatch with reality.
2. The simulation has taken jab efficacy as 80% (Table-1 in the [study](#)). Now, this too is way far from reality. While a recently case-controlled [study](#) in England showed jab efficacy as low as -2.7% (minus 2.7%) after six months of double-jab, the above mentioned population-wide data from the U.S. shows a jab efficacy lower than -100% (minus 100%) for the triple jabbed.
3. The simulation takes the baseline immunity in the unjabbed as 20% (Table-1 in the [study](#)). This is yet another parameter quite far from reality in most places in the world now. In India, [sero-surveys](#) have shown that most people are now naturally exposed to the virus. Even in the U.S., the CDC has [said](#) that most Americans have been exposed to the virus. This is significant since various studies have affirmed that immunity after natural exposure is [strong](#), [long-lasting](#) and far [superior](#) to jab-induced immunity.

Thus the much publicized CMAJ simulation [study](#) is based on assumptions which are known to be flawed. The conclusions may be true in an alternate world where immunity from natural exposure is poor, and Covid-19 jabs have high efficacy which does not wane; but they certainly do not hold in the real world.

It is also worthwhile pointing out the statement of “competing interests” declared in the [publication](#), which says that one of the authors has served on various advisory boards for Covid-19 jabs. Whether this indicates competence or bias should be left to the reader to interpret, and responsible media journalists should also indicate such competing interests while reporting on publication results.

Links to other critiques of the same study:

- Call for retraction of paper entitled: "Impact of population mixing between vaccinated and unvaccinated subpopulations on infectious disease dynamics: implications for SARS-CoV-2 transmission", By Jessica Rose [\[link\]](#)
- Fiction Disguised as Science to Promote Hatred, By Dr. Byram Bridle [\[link\]](#)

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