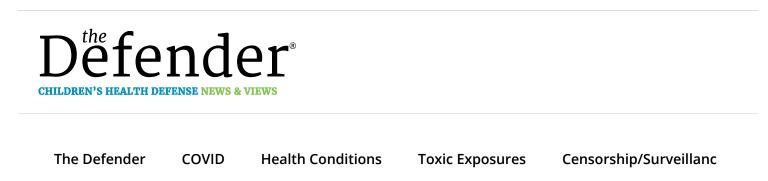
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One and two doses of the COVID-19 vaccines were linked to an **increase in all-cause mortality** in a new peer-reviewed study that analyzed data from the Italian National Healthcare System.

Based on their analysis, a team of Italian researchers verified what they called "the real impact of the vaccination campaign" by comparing the risk of **all-cause death among vaccinated** and unvaccinated residents of the Italian province of Pescara.

In their multivariate analysis, the researchers found the risk of all-cause death to be higher for those vaccinated with one or two doses of the **COVID-19** vaccine compared to the **unvaccinated**.

Those who received three or four doses had roughly the same risk of all-cause death as the unvaccinated, they said, in contrast with prior research done in the same region suggesting those with three or four doses had a lower risk of all-cause death.

"We also found a slight but statistically significant loss of life expectancy for those vaccinated with 2 or 3/4 doses," they said in the report, which they published June 30 in **Microorganisms**.

**Dr. Peter McCullough** told **The Defender**, "These findings call for an immediate halt of COVID-19 vaccination across the globe and a thorough investigation of what went wrong during the COVID-19 vaccine campaign."

McCullough wrote on **Substack** that the paper's main point is that "COVID-19 vaccination did not 'save lives' as so many in Washington have proclaimed without evidence."

Alberto Donzelli, one of the Italian study's authors, told The Defender the study is "an important advance" because it looks at all-cause mortality broken down by vaccination status, and accounts for confounding variables that may have affected earlier reports on COVID-19 vaccination and all-cause mortality.

Very few studies in the world have successfully done that, he said.

McCullough also told The Defender the study's findings are "cohesive" with those of a recent **German study** — currently available as a preprint — which found COVID-19 vaccination was linked to increased all-cause death in 16 German states.

# The Vaccine Safety Project

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#### Researchers undertake study to correct for bias

For their study, **Donzelli and his co-authors** used the same data analyzed by other researchers in an **earlier Italian study** on COVID-19 vaccine effectiveness.

The earlier study — which followed up with people two years after the start of the COVID-19 vaccination campaign — found that those who received one or two doses had a significantly higher risk of all-cause death, while those who received three or more vaccine doses had a lower risk of **death**.

However, these results were likely distorted due to "immortal time bias," Donzelli and his coauthors said.

**Immortal time bias** is a common study design flaw that can throw off statistical estimations between an exposure (such as a COVID-19 shot) and an outcome (such as an increased risk of death), according to the University of Oxford's Catalogue of Bias.

Donzelli said the bias "afflicts most observational studies on mortality from COVID-19." So he and his co-authors took the necessary steps to correct for the bias and reanalyzed the same data.

They looked at vaccination records from Jan. 1, 2021, through Dec. 31, 2022, for people ages 10 and up.

They also looked at follow-up data collected from Jan. 1, 2021, through Feb. 15, 2023, for these people, as long as they hadn't tested positive for COVID-19 on the date of the follow-up.

They also looked at other variables, such as pathologies other than COVID-19, that may have affected people's health.

"The results are startling," wrote McCullough, after doing calculations using the report's data. "COVID-19 specific deaths were not reduced with vaccination, however there was a U-shaped trend of note when COVID-19 deaths were adjusted per 1000 population: unvaccinated 1.98/1000, one dose 0.27/1000, two doses 1.08/1000, and 3/4 doses 3.5/1000." Additionally, Donzelli and his co-authors in their multivariate analysis found that those who received one dose of the COVID-19 vaccine had a hazard risk ratio — which is a statistical estimate of risk — of 2.4 for all-cause mortality, meaning they were much more likely to die compared to the unvaccinated.

"Those vaccinated with two doses showed an almost double hazard ratio of death: 1.98," Donzelli pointed out.

These numbers are significantly worse than what was reported in the original study that hadn't corrected for the immortal time bias, he said. Correcting for that bias changed the results for those who were vaccinated with three or more doses, too.

The original study authors had claimed that being vaccinated three or more times reduced the risk of mortality more than four-fold. Based on his and his co-authors corrected analysis, Donzelli called the claim "implausible."

He said, "Those vaccinated with three or more doses turned out to die at the same rate as the unvaccinated."

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### CDC: COVID shots 'save lives'

The Defender asked the Centers for Disease Control and Prevention (CDC) if it planned to modify its statement that "**COVID-19 vaccines save lives**" in light of the study's findings.

A CDC spokesperson told The Defender that the CDC "does not comment on findings or claims by individuals or organizations outside of CDC." The spokesperson declined to provide studies or data supporting the agency's claim that the **vaccines** save lives.

"CDC research has continuously found that COVID-19 vaccines are safe and effective," the spokesperson said.