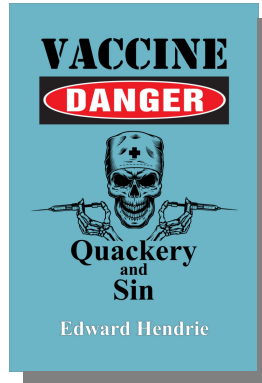


Increased All-Cause Mortality
Excerpt From
Vaccine Danger Quackery and Sin
Edward Hendrie



Vaccine manufacturers often try to obscure their vaccines' dangerousness by arguing that correlation does not necessarily mean causation. That bare statement is true. The correlation is not causation argument offers some logical cover when there is an allegation that a vaccine caused an adverse event or a death. The correlation is not necessarily causation argument can be made in any individual case of death without scientific confirmation that the vaccine caused the death. The vaccine makers often argue a myriad of co-factors for the deaths.

But we must key in on the word "necessarily." While correlation does not "necessarily" prove causation, correlation can nonetheless be convincing evidence of causation where no other variables can explain the adverse event or death. There is a statistic that saps the persuasiveness of the correlation is not necessarily causation argument. The all-cause mortality statistic for an entire population makes it difficult to conceal the deaths caused by a population-wide vaccine program. The occurrence of events (deaths) spread over a large population after the occurrence of an independent variable (vaccination) administered to that same population raises a stronger inference of causation than a single occurrence of an event (death) after a single prior independent variable (vaccination).

The Bradford-Hill criteria are used to determine if there is a causal relationship between a presumed cause and an observed effect. Five Bradford-Hill criteria pertinent to showing if vaccines cause adverse events indicate a causal relationship between COVID-19 vaccinations and excess deaths.¹ 1) Consistency in the reported association between vaccinations and deaths by different authorities at different locations. 2) The association between vaccinations and deaths is strong, involving large populations. 3) There is a specific association between vaccinations and deaths rather than some other factor. 4) There is a temporal relationship between vaccinations and deaths, such that the deaths follow after the vaccinations. 5) It is biologically plausible that vaccinations are causing the deaths.²

All-cause mortality covers the gambit of people who die from all causes. A significant increase in all-cause mortality indicates that something acted on the population to bring about that increase. Thus, if a vaccine is dangerous and causes widespread death, the increased deaths will appear in the all-cause mortality rate. Suppose the only change in population behavior is vaccination. In that case, a subsequent increase in deaths would be convincing evidence that the vaccine caused those deaths. The correlation between the population-wide vaccine program and the increased deaths from all causes is compelling evidence that the vaccine is the independent variable causing the deaths since there is no other variable that would explain the excess deaths.

A February 2023 study that compared the average monthly all-cause mortality rate for the years 2016-2019 to the monthly all-cause mortality for the first nine months of 2022 found that the countries that vaccinated their population for COVID-19 during 2021 saw a 0.105% increase in the monthly all-cause mortality rate for every one percent increase in people being vaccinated in that country.³ That is a direct correlation between COVID-19 vaccines and increased deaths across many countries. More COVID-19 vaccines result in more deaths.

The study looked at the all-cause mortality for the first nine months of 2022 and compared it to the vaccination uptake in 31 European countries by the end of 2021. The 31 countries studied were the EU member states, plus Norway, Iceland, Liechtenstein, and Switzerland. The researchers determined the correlation between vaccination uptake and the mortality rate was significant. It “implies that the mortality increases the higher the vaccination uptake. Specifically, it shows that a one percentage point increase in 2021 vaccination uptake is associated with an increase in 2022 monthly mortality by 0.105 percent.”⁴

The vaccine uptake for the COVID-19 vaccines for the countries ranged from Bulgaria, with 27.7% of the country vaccinated, to Portugal, with 83.1% of the population vaccinated. All countries, except Bulgaria, vaccinated more than 50% of their people.

The 0.105% increase in mortality for every one percent increase in vaccinations represents a 10.5% increase in all-cause mortality among the vaccinated population. To understand the significance of the 10.5% increase in all-cause mortality in Western Europe’s vaccinated population, we must consider that the background mortality rate from all causes in most Western countries is approximately 1% per year.⁵ Eurostat reported that “the number of deaths per 1,000 persons was estimated at 10.4 in the EU in 2019.”

For simplicity’s sake, we will use 1% as the base mortality rate for Western Europe. That means that year in and year out, approximately 1% of the population in Western Europe die each year. Thus, the statistics from the February 2023 study showing an increase in the all-cause mortality rate of 0.105% for every percentage increase in vaccine uptake indicates that the COVID-19 vaccines are correlated with a rise of 10.5% in all-cause mortality in Western Europe. Assuming a base rate of about 1%, that means there is a death rate of 1.105% for the vaccinated population.

Looking at the U.S, we find the same increase in the mortality rate correlated to the rollout of the COVID-19 vaccines. But U.S. death statistics for 2020, in particular, must be looked at with suspicion. That is because the CDC has been caught fudging the mortality data. For example, The

Guardian reported that the CDC was caught over-counting COVID-19 deaths.⁶ Once the CDC was confronted with the over-count, it claimed to have corrected it and attributed it to a "coding logic error." Oddly, no "coding logic error" had ever happened before the COVID-19 "pandemic." Usually, a coding error would result in the missed recording of statistics. It is rather suspicious that the "coding logic error" resulted in an artificial increase in COVID-19 deaths.

Also, the CDC has massaged the COVID-19 death data to under-report the vaccinated deaths from COVID-19 by listing vaccinated deaths as unvaccinated deaths. Add to that the efforts made by the CDC to prevent effective treatments like hydroxychloroquine and ivermectin for flu-like illnesses while locking down and masking people and administering dangerous and ineffective treatments such as remdesivir, midazolam, and ventilation. It is no wonder that the death rate increased in 2020. With those cautions in mind we will look at what seems to be an increase in mortality in the U.S. after the introduction of the COVID-19 vaccines.

Because of the anomalous government actions during the 2020 "pandemic" and the untrustworthiness of the mortality rates reported by the CDC that year, we will use the average mortality rates in the U.S. from 2015 to 2019. We will compare the average mortality rate from 2015-2019 to the death rates after the introduction of the COVID-19 vaccines to obtain the delta. The average annual mortality rate for 2015-2019 was 0.86%.⁷ That means an average of 0.86% of the U.S. population died annually between 2015 and 2019.

The Organisation for Economic Co-operation and Development (OECD) is an intergovernmental organization with 38 member countries. It keeps data on mortality for those countries, which includes the U.S. The data shows a significant increase in all-cause mortality in the U.S. after the rollout of the COVID-19 vaccines.⁸

That website only provides U.S. all-cause death numbers for 2020, 2021, and 2022. To give the raw death numbers meaning, we must be able to compare them to the deaths for prior years. As noted earlier, the average death rate reported by the CDC for the years 2015 to 2019 was 0.86%.⁹ But that number is unhelpful in comparing it to the raw death numbers reported by the OECD. In order to compare the average mortality rate for 2015-2019 to the mortality rate for 2020, 2021, and 2022, we must convert the raw numbers provided by the OECD to a percentage.

The OECD website lists the all-cause deaths and reveals that the 2020 all-cause mortality rate in the U.S. was 1.04%. That figure was arrived at by dividing the all-cause deaths reported by the OECD (3,441,118)¹⁰ by the mid-year U.S. population reported by the U.S. Census Bureau on June 30, 2020 (331,509,617).¹¹ The OECD website lists the all-cause deaths reveals that the 2021 all-cause mortality rate in the U.S. was 1.04%. That figure was arrived at by dividing the all-cause deaths reported by the OECD (3,457,525)¹² by the mid-year U.S. population reported by the U.S. Census Bureau on June 30, 2021 (332,028,282).¹³ The OECD website lists the all cause deaths and reveals that the 2022 all-cause mortality rate in the U.S. was 0.981%. That figure was arrived at by dividing the all-cause deaths reported by the OECD (3,270,300)¹⁴ by the mid-year U.S. population reported by the U.S. Census Bureau on June 30, 2022 (333,282,419).¹⁵

Thus we find an increase in the mortality rate in the U.S. in 2020 of 0.18% (1.04%–0.86%

= 0.18%). Recall that 2020 saw some strange and anomalous actions and reporting of deaths by the CDC, so the numbers cannot be relied upon. What is really interesting is that after the rollout of the COVID-19 vaccines in 2021, we see the same increase in mortality of 0.18% ($1.04\% - 0.86\% = 0.18\%$). You would expect the mortality rate to decrease if you assume the vaccines are effective due to the massive vaccine program. Instead, we find continued carnage at the same rate as 2020. Then, in 2022, we find that there was a continuation of the excess deaths but at a slightly slower clip of 0.12% ($0.98\% - 0.86\% = 0.12\%$).

The 2021 0.18% increase over the 0.86% death rate represents an astounding 20% increase in the mortality rate in the U.S. during 2021. The 2022 0.12% increase over the 0.86% death rate represents a 14% increase in the mortality rate in the U.S during 2022. **What that means in real numbers is that there have been approximately 997,589 excess U.S. deaths correlated to the rollout of the COVID-19 vaccines during 2021 and 2022.**¹⁶ Again, correlation does not necessarily mean causation. But the statistics from the UK where the vaccinated death rate can be compared to the unvaccinated death rate, strengthens the causation argument.

When we focus on the statistics from the UK, the inference of causation becomes clearer. That is because the UK Office for National Statistics (ONS) breaks down its death statistics by vaccination status. Thus, we can compare the all-cause death rate of the vaccinated population against the all-cause death rate for the unvaccinated population and find out from where the excess deaths are coming.

The investigative journalists at *The Expose* examined the official death data from the UK Office for National Statistics (ONS). On March 21, 2023, *The Expose* reported that between January 1, 2021, and May 31, 2022, the all-cause mortality rate among those who had received a COVID-19 vaccine was 1.36%. But the all-cause mortality rate for those who had not received any COVID-19 vaccine was 0.58%. The mortality rate among the COVID-19 vaccinated population is more than double that of the unvaccinated population. *The Expose* reported:

44.48 million people had received at least one dose of a Covid-19 vaccine in England, and 606,537 of those people had sadly died. This, therefore, equates to 1 in every 73 [which is a 1.36% mortality rate for] Covid-19 vaccinated people having sadly died by the 1st of June 2022.

18.9 million people had not received a single dose of a Covid-19 vaccine in England, and 109,891 of those people had sadly died. This, therefore, equates to 1 in every 172 [which is a 0.58% mortality rate for] unvaccinated people having sadly died by the 1st of June 2022.¹⁷

The above data presents total all-cause mortality of 1.130% for both vaccinated and unvaccinated combined between January 1, 2021, and May 31, 2022. There were 716,428 total deaths ($606,537$ vaccinated + $109,891$ unvaccinated = $716,428$ total deaths). The total vaccinated and unvaccinated population was 63.38 million (44.8 million vaccinated + 18.9 million unvaccinated = 63.38 million total population). That results in a total mortality rate of 1.130% ($716,428 \div 63.38$ million = 1.130%).

The UK's base mortality rate for 2019 and prior was less than 1%. But for simplicity's sake, we will use 1% for the base mortality rate for the UK. Assuming a base mortality rate of 1%, that means there has been about a 13% increase in total mortality in the UK between January 1, 2021, and May 31, 2022, after the rollout of the COVID-19 vaccines. That increased mortality is attributable entirely to the vaccinated population because the unvaccinated population had a mortality rate of approximately 0.58%, which is far below the approximate 1% total expected mortality rate for Western European countries. *The Expose* explains:

The official figures unfortunately confirm that mortality rates per 100,000 are the lowest among the unvaccinated population in every single age group in England. And the data reveals the gap between the unvaccinated and vaccinated populations in terms of mortality rates is widening by the month.¹⁸

When you break out just the vaccinated group, we find a mortality rate of 1.36%. Comparing that to the expected base mortality rate of approximately 1%, we see a whopping 36% increase in mortality among the vaccinated population. The Expose comes to the ineluctable conclusion:

There is no other conclusion that can be found for the fact mortality rates per 100,000 are the lowest among the unvaccinated other than that the Covid-19 injections are killing people.¹⁹

To put that in perspective, a study of 1,118 unique armed conflicts spanning 193 countries between 1990 and 2017 found that the increase in civilian mortality during a war is 81.5 per 100,000 population.²⁰ That is an increased mortality rate of 0.0815% during a war. That increased war mortality is due to a break-down in infrastructure that increases communicable and non-communicable diseases, respiratory infections, maternal, neonatal, and nutritional diseases, respiratory infections and tuberculosis, enteric infections, and maternal and neonatal disorders, increased cardiovascular diseases, diabetes and kidney diseases, neoplasms, and digestive diseases, etc.

During a war, the civilian mortality rate increases by 0.0815%. Assuming the background mortality rate in the European Union of approximately 1%, we arrive at a total civilian mortality rate during a war in Europe of approximately 1.0815%. The COVID-19 vaccines are inferred to cause a greater mortality increase of 10.5% among the vaccinated population of Western Europe. That suggests that the COVID-19 vaccines had a devastating effect on the population of Europe. The inference from the all-cause mortality statistics is that the COVID-19 vaccines caused the mortality rate to increase in the vaccinated population to 1.105% which is more than what would be expected in the civilian population during a war.

According to the European Centre for Disease Prevention and Control, as of March 2023, approximately 330 million persons in the EU have received at least two doses of a COVID-19 vaccine.²¹ Ordinarily, about 3.3 million of those people would die from all different causes each year. But extrapolating a death rate of 0.105% increase in the monthly all-cause mortality rate for every one percent of the persons vaccinated, we can expect that an additional 10.5%, or 346,500 persons will have died from the COVID-19 vaccine in 2022.

While correlation does not “necessarily” mean causation when the correlation across so many different countries only shows a rise in mortality, the inference of causation is robust. It certainly raises to the level of at least probable cause. Dr. John Campbell, Ph.D., opined that the correlation from the February 2023 study was so strong that he declared it a “slam dunk.”²²

Mathematician Igor Chudov conducted a separate study and analyzed the correlation between COVID-19 booster shots and the rise in all-cause mortality across approximately 29 countries (including the USA). He used the average weekly mortality rates of 2017-2019 to establish the baseline and compared it to the weekly mortality increase during weeks 10 to 35 in 2022. On August 30, 2022, Chudov announced his findings.²³ He was shocked by what he found. He discovered an almost linear correlation between the rate of COVID-19 booster shots and a rise in national mortality rates. The P value for the correlation was 0.0002. A P value that is below 0.05 is considered statistically significant. A P value that is 0.0002 is considered to be an ironclad correlation that could not be by random coincidence.

Chudov was careful to say that he was merely reporting the correlation. Chudov stated that the proper interpretation “is that there is an EXTREMELY PROMINENT RELATIONSHIP between boosters and deaths in 2022.” (emphasis in original). The correlation showed: "More boosters – more deaths!" Chudov concluded:

Despite my stating clearly that I uncovered a *correlation*, not a *causation*, I personally believe that boosters ARE a cause of increased mortality. There are many reasons to believe this to be highly likely.²⁴ (italics and emphasis in original)

Igor Chudov conducted another analysis of UK data. This time it was limited to UK mortality data. He analyzed the unique data from the UK, which tracked the COVID-19 vaccinated population. The UK Government has data where it collects and reports weekly excess mortality by vaccination status.²⁵ To arrive at the excess mortality, the UK government used the average mortality rate between 2015 to 2019 as their base mortality rate.

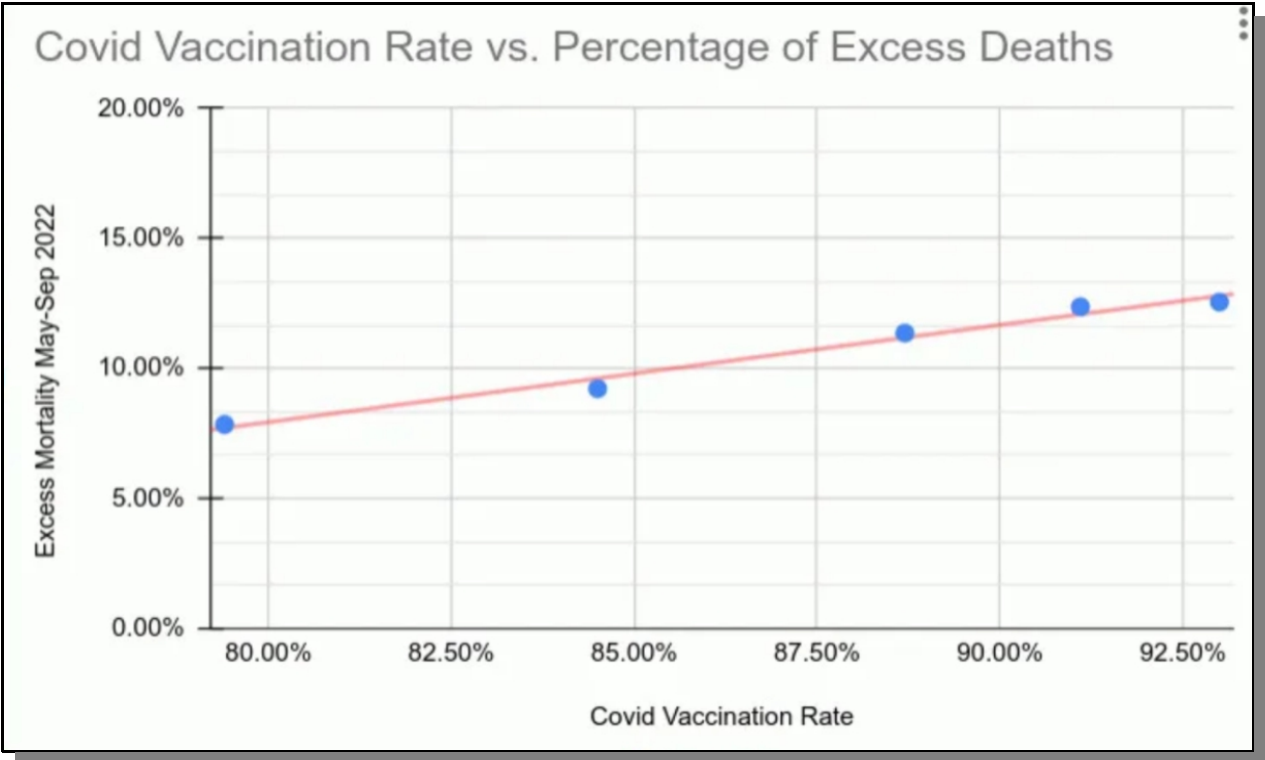
The UK Government tracks the vaccination rates among quintiles that rank a population according to economic disparities. Igor Chudov downloaded and analyzed the May to September 2022 UK Government data. He found a direct correlation between an increase in the vaccination rate and an increase in the excess death rate.

The lowest rank of the five quintiles was the most economically deprived and was found to have the lowest vaccine rate of 79.40%. That lowest quintile was shown to have an excess death rate of 7.85%. There was a steady increase in the death rate as the vaccination rate increased with the economic status of the quintile. The highest excess death rate of 12.55% was found at the highest quintile, with a COVID-19 vaccine rate of 93%. When you look at the chart below, you can see a steady increase in the death rate as there is an increase in the vaccination rate.

Deprivation Level	Vaccination Rate %	Excess Mortality %
Most Deprived	79.4%	7.85%
More Deprived	84.5%	9.22%
Median	88.7%	11.36%
More Wealthy	91.1%	12.37%
Most Wealthy	93.0%	12.55%

As you can see from the above chart, there is a direct correlation between the COVID-19 vaccination rate and the mortality rate. More COVID-19 vaccines mean more deaths. Chudov analyzed those statistics and found that the R^2 was 0.9471. That means that the increase in the COVID-19 vaccination rate explains 95% of the increase in the death rate across the quintiles.

Chudov further calculated the P value for the statistics to be 0.0052. That means there is only a 0.5% chance that the increase in the death rate correlated to the increase in the vaccine rate was due to chance. Chudov plotted the data on a chart, illustrating the obvious correlation between increased COVID-19 vaccination and deaths. Chudov concluded that “this makes a very strong case that excess mortality in the UK in May-Sep 2022 is caused by Covid vaccines.”²⁶



Chudov also uncovered evidence from another statistician showing a significant drop in the

UK birthrate in 2022 compared to 2021. The statistician did some digging and found a correlation between the increase in the COVID-19 vaccination rate and a decline in the birth rate.²⁷ That correlation was based on the UK deprivation statistics. The study showed that the proportion of women giving birth in the two wealthier quintiles of the UK population, which had the higher COVID-19 vaccination rate, dropped in 2022. But the proportion of women giving birth in the two more deprived quintiles of the population, which had a lower vaccination rate, increased in 2022. That was notable because it is the reverse of the historical precedent between 2017 and 2020, where the two higher quintiles had a steadily growing proportion of mothers giving birth, and the two most deprived quintiles had a steadily reduced proportion of mothers giving. That suddenly flipped in 2022, directly correlating to the COVID-19 vaccination program and a reduced overall birth rate. Chudov suggested that the COVID-19 vaccines are acting as a depopulation scheme. Chudov commented:

We have an interesting situation: Covid vaccines appear to cause a decline in birth rate, and at the same time, an increase in the death rate. A decline in births and a simultaneous increase in deaths is called depopulation. So, is Covid vaccine a depopulation vaccine?²⁸

Up to this point, we have been comparing total all-cause mortality differences. But the devastating effect of the vaccines can be seen more clearly when looking at just the sliver of increase in excess deaths from all causes. For example, according to official government data from the Australian Organisation for Economic Co-Operation and Development (OECD), the increase in excess deaths became exponential upon the rollout of the COVID-19 vaccines in 2021. *The Expose* reports that “the Australian Government confirms the first 38 weeks of 2021 saw a shocking 1,452% increase in excess deaths following the rollout of the COVID-19 injections compared to the same period in 2020.”²⁹ *The Expose* limited its analysis to the first 38 weeks of 2020, 2021, and 2022 because it only had official government statistics for excess death data available for the first 38 weeks of 2022.

When comparing the excess deaths during the first 38 weeks of 2022, when the vaccine rollout was in full swing, compared to the first 38 weeks of 2020, during the height of the alleged COVID-19 pandemic, *The Expose* discovered a whopping 5,162% increase in excess deaths in 2022 compared with 2020.

By 2022, the nation was hit by a devastating blow, with a shocking 5,162% increase in excess deaths in the first 38 weeks of the year following the repeat rollout of the COVID-19 injections compared to the first 38 weeks of 2020, at the alleged height of the pandemic.³⁰

If the vaccines were effective, you would expect just the opposite. You would expect that there would be more excess deaths during the height of the COVID-19 pandemic, with the number dropping into negative territory after the protective effect of the vaccines saving lives during 2021 and 2022. But in (the first 38 weeks of) 2021, after the COVID-19 vaccine rollout, there was a whopping 1,452% increase in excess deaths over (the first 38 weeks of) 2020 pandemic levels. And there was an explosion of 5,162% increased excess deaths in (the first 38 weeks of) 2022 over the

excess death rate during (the first 38 weeks of) 2020, which was the height of the alleged COVID-19 pandemic. That can mean only one thing. The COVID-19 vaccines are killing people.

Denis Rancourt, Ph.D., is an accomplished interdisciplinary scientist and physicist and a former tenured Full Professor of Physics and lead scientist, originally at the University of Ottawa. Dr. Rancourt studied all-cause mortality for the years beginning in 2020. He concluded, "[t]here was no pandemic causing excess mortality."³¹ He explained that the 2020 excess mortality was the result of a "multi-pronged state and iatrogenic attack against populations, and against societal support structures, which caused all the excess mortality, in every jurisdiction."³² He attributed the rise in all-cause mortality starting in 2021 to the COVID-19 vaccines. He stated, "we quantified many instances in which a rapid rollout of a dose in the imposed vaccine schedule was synchronous with an otherwise unexpected peak in all-cause mortality." Dr. Rancourt determined that the vaccines killed 3.7 million people in India alone. He further determined:

In Western countries, we quantified the average all-ages rate of death to be 1 death for every 2000 injections, to increase exponentially with age (doubling every additional 5 years of age), and to be as large as 1 death for every 100 injections for those 80 years and older. We estimated that the vaccines had killed 13 million worldwide.³³

Dr. Rancourt conducted a later study that was published on September 17, 2023.³⁴ The Data from that extensive research study involved 17 countries, which comprised 9.10% of the worldwide population and 10.3% of the worldwide COVID-19 injections. The study showed a significant rise in all-cause mortality that synchronized with the rollout of the COVID-19 vaccines. The researchers concluded that "[i]t is unlikely that the rise in all-cause mortality (ACM) coinciding with the rollout and sustained administration of COVID-19 vaccines in all 17 countries could be due to any cause other than the vaccines."³⁵ The study deduced that the 13.25 billion COVID-19 vaccine injections worldwide caused a statistically inferred increase of 17 million worldwide deaths from all causes as of September 2, 2023. The researchers stated: "This would correspond to a mass iatrogenic [caused by medical treatment] event that killed (0.213 ± 0.006) % of the world population (1 death per 470 living persons, in less than 3 years)."³⁶

We have more than statistical inference of causation. There is medical proof that the COVID-19 vaccines are killing people. Renowned cardiologist Dr. Peter McCullough, Yale epidemiologist Dr. Harvey Risch, and former Former Senior Pandemic Advisor to the Secretary of Health and Human Services, Paul E. Alexander, Ph.D. along with other doctors and researchers, conducted a study to determine the causal link between the reported COVID-19 vaccine deaths in VAERS and the COVID-19 vaccine. They reviewed 325 autopsy cases and one necropsy case of persons who died after receiving a COVID-19 vaccine. The doctors determined that "[a] total of 240 deaths (73.9%) were independently adjudicated as directly due to or significantly contributed to by COVID-19 vaccination."³⁷ The average time in which the persons died after vaccination was 14.3 days. The study proves causation; it attests that COVID-19 vaccines are killing people. A pre-print of the study was posted on The Lancet website on July 5, 2023, pending peer review.³⁸ But after a high volume of downloads, after only 24 hours, The Lancet removed the pre-print from its website. The coverup continues.

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