

# Ecological Data Point to COVID-19 Vaccines as a Determinant of Increased All-Cause Mortality

Countries Must Urgently Merge Vaccine Administration and Death Databases

By [Dr. Peter McCullough](#)

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*The biggest global news story in 2021, 2022, and now in 2023 is that people around the world are dying in ever great numbers as the pandemic winds down. This is just the opposite of what was expected since COVID-19 mortality was largely in the elderly and those with many medical problems, the viral illness should have had a "culling" effect leaving 2022 and now 2023 to have decreased mortality.*

Multiple sources of data suggest the swell in mortality occurring is not just among the elderly. Edward Dowd's book ["Cause Unknown": The Epidemic of Sudden Deaths in 2021 & 2022](#) numerous sources of insurance data are cited suggesting death claims among working age persons are skyrocketing.

Aarstad et al have published an ecological analysis demonstrating that deaths tracked with increased COVID-19 vaccination rates. But as the authors point out, these observations are not conclusive that the vaccines independently are responsible for the alarming trend.

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## Article

# Is there a Link between the 2021 COVID-19 Vaccination Uptake in Europe and 2022 Excess All-Cause Mortality?

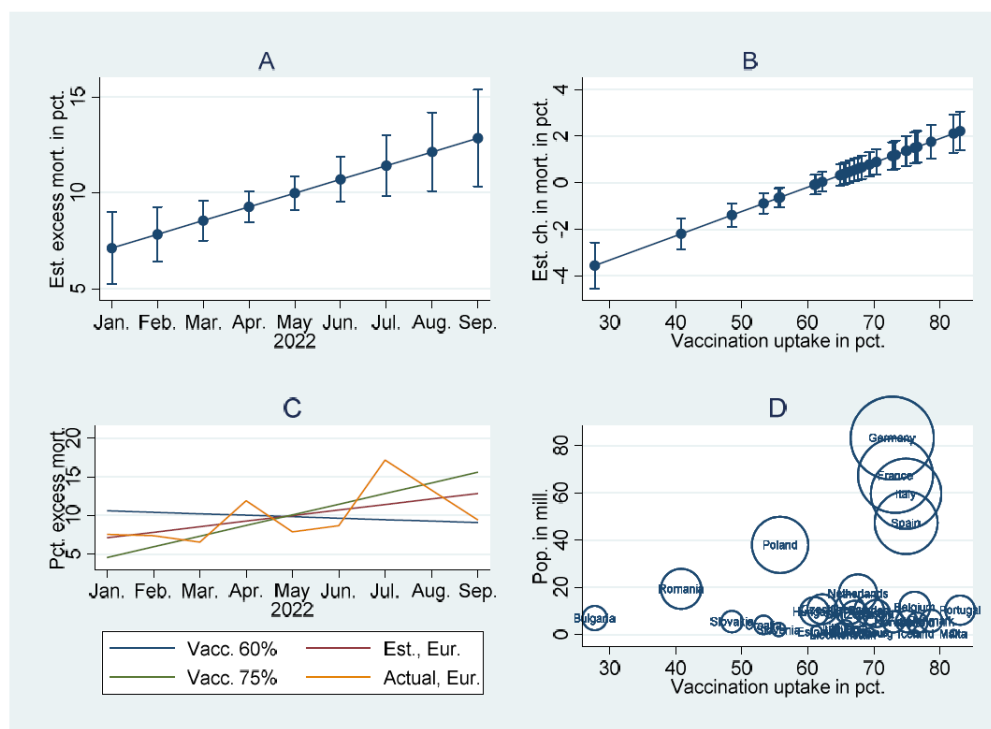
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**Abstract:** We primarily study a possible link between 2021 COVID-19 vaccination uptake in Europe and monthly 2022 excess all-cause mortality, i.e., mortality higher than before the pandemic. Analyses of 31 countries weighted by population size show that all-cause mortality during the first nine months of 2022 increased more the higher the 2021 vaccination uptake; a one percentage point increase in 2021 vaccination uptake was associated with a monthly mortality increase in 2022 by 0.105 percent (95% CI, 0.075-0.134). When controlling for alternative explanations, the association remained robust, and we discuss the result emphasizing causality as well as potential ecological fallacy. Also, the study shows that 2021 all-cause mortality was lower the higher the vaccination uptake, but this association became non-significant when controlling for alternative explanations.

**Keywords:** COVID-19; vaccination; all-cause mortality; excess mortality; causal inferences; ecological fallacy; individualistic fallacy



**Figure 1.** Monthly estimated excess mortality (A) and estimated change in excess mortality as a function of national vaccination uptake with 95% Cis (B). Estimated excess mortality for vaccination uptake at 60% (blue), 75% (green), 68.7% (red), which is the weighted European average, and actual excess mortality (yellow) (C). Vaccination uptake and population size (D). A-C are based on Model 1, Table 3, and D is based on Table 1.

Aarstad, J.; Kvitastein, O.A. Is there a Link between the 2021 COVID-19 Vaccination Uptake in Europe and 2022 Excess All-Cause Mortality?. Preprints 2023, 2023020350.

<https://doi.org/10.20944/preprints202302.0350.v1>.

Public health agencies should immediately merge the vaccine administration and all cause death data to analyze temporal association. In other words, to produce a frequency histogram of deaths occurring on days 0, 1, 2, 3, etc. after the shot. From a regulatory

perspective, any death within 30 days of an injection should be attributed to COVID-19 vaccination since all vaccines have conclusively caused death(s) as published in the peer-reviewed literature. Given the long-acting nature of mRNA and Spike protein, one could argue any death within a year is reasonable to consider as a vaccine death.

In conclusion, governments hold all the data on vaccination and death and it will be public health agencies or independent researchers who acquire the data that will deliver these important answers. Death cannot remain “cause unknown” forever.

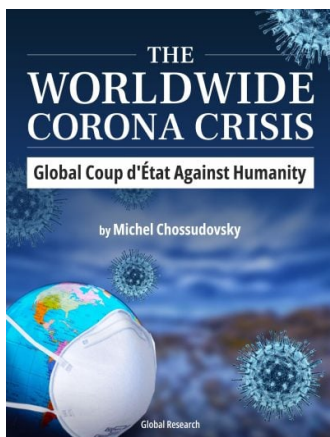
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