

# 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](#)

Theme: [Science and Medicine](#)

Global Research, March 27, 2023

[Courageous Discourse](#)

All Global Research articles can be read in 51 languages by activating the Translate Website button below the author's name.

To receive Global Research's Daily Newsletter (selected articles), [click here](#).

Click the share buttons above to email/forward this article to your friends and colleagues. Follow us on [Instagram](#) and [Twitter](#) and subscribe to our [Telegram Channel](#). Feel free to repost and share widely Global Research articles.

\*\*\*

*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.

Disclaimer/Publisher's Note: The statements, opinions, and data contained in all publications are solely those of the individual author(s) and contributor(s) and not of MDPI and/or the editor(s). MDPI and/or the editor(s) disclaim responsibility for any injury to people or property resulting from any ideas, methods, instructions, or products referred to in the content.

Article

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

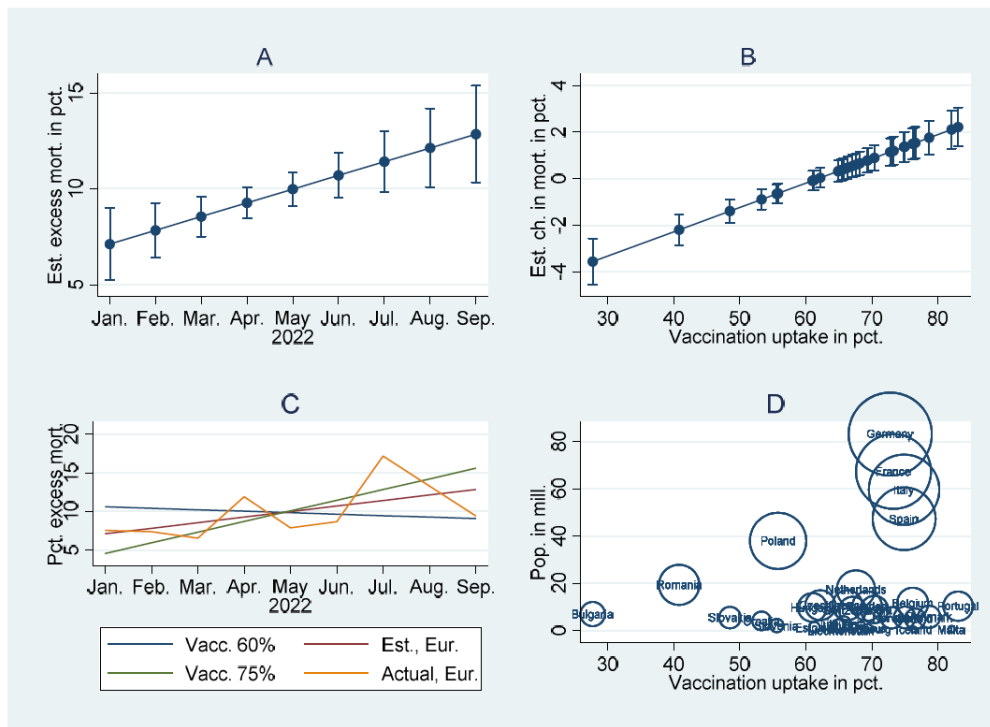
Jarle Aarstad<sup>1,\*</sup> and Olav Andreas Kvitastein<sup>1</sup>

<sup>1</sup> Western Norway University of Applied Sciences, PO Box 7030, NO-5020 Bergen, Norway

\* Correspondence: jarle.aarstad@hvl.no

**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.

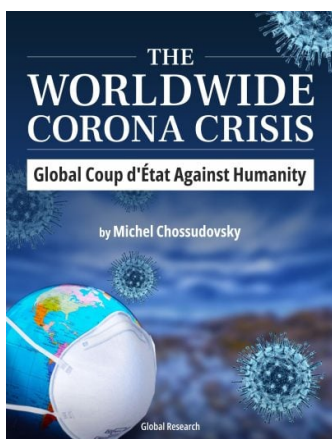
\*

Note to readers: Please click the share buttons above. Follow us on Instagram and Twitter and subscribe to our Telegram Channel. Feel free to repost and share widely Global Research articles.

Source

[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.](https://doi.org/10.20944/preprints202302.0350.v1)

*Featured image is from Children's Health Defense*



## The Worldwide Corona Crisis, Global Coup d'Etat Against Humanity

by Michel Chossudovsky

Michel Chossudovsky reviews in detail how this insidious project “destroys people’s lives”. He provides a comprehensive analysis of everything you need to know about the “pandemic” — from the medical dimensions to the economic and social repercussions, political underpinnings, and mental and psychological impacts.

*“My objective as an author is to inform people worldwide and refute the official narrative which has been used as a justification to destabilize the economic and social fabric of entire countries, followed by the imposition of the “deadly” COVID-19 “vaccine”. This crisis affects humanity in its entirety: almost 8 billion people. We stand in solidarity with our fellow human beings and our children worldwide. Truth is a powerful instrument.”*

[Conservative Risk Benefit Analyses Decide Against COVID-19 Vaccination](#)

ISBN: 978-0-9879389-3-0, Year: 2022, PDF Ebook, Pages: 164, 15 Chapters

Price: ~~\$11.50~~ Get yours for FREE! [Click here to download.](#)

We encourage you to support the eBook project by making a donation through Global Research's [DonorBox "Worldwide Corona Crisis" Campaign Page.](#)

The original source of this article is [Courageous Discourse](#)  
Copyright © [Dr. Peter McCullough](#), [Courageous Discourse](#), 2023

---

[Comment on Global Research Articles on our Facebook page](#)

[Become a Member of Global Research](#)

Articles by: [Dr. Peter McCullough](#)

**Disclaimer:** The contents of this article are of sole responsibility of the author(s). The Centre for Research on Globalization will not be responsible for any inaccurate or incorrect statement in this article. The Centre of Research on Globalization grants permission to cross-post Global Research articles on community internet sites as long the source and copyright are acknowledged together with a hyperlink to the original Global Research article. For publication of Global Research articles in print or other forms including commercial internet sites, contact: [publications@globalresearch.ca](mailto:publications@globalresearch.ca)  
[www.globalresearch.ca](http://www.globalresearch.ca) contains copyrighted material the use of which has not always been specifically authorized by the copyright owner. We are making such material available to our readers under the provisions of "fair use" in an effort to advance a better understanding of political, economic and social issues. The material on this site is distributed without profit to those who have expressed a prior interest in receiving it for research and educational purposes. If you wish to use copyrighted material for purposes other than "fair use" you must request permission from the copyright owner.

For media inquiries: [publications@globalresearch.ca](mailto:publications@globalresearch.ca)