



NATIONAL CITIZENS INQUIRY

Ottawa

17 May 2023

DENIS RANCOURT, PHD

Citation:

Rancourt, D. G. (2023, May 17). Denis G Rancourt expert-witness presentation slides to the National Citizens Inquiry (NCI) Ottawa - Mortality during the Covid period.

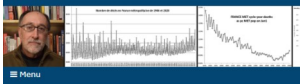
Zenodo. National Citizens Inquiry (NCI), Ottawa, Canada.

<https://doi.org/10.5281/zenodo.22821173>

When I review scientific articles, in particular, in relation to COVID-19, my personal knowledge and ability to evaluate the facts in the said scientific articles are grounded in my education, research, training and experience, as follows:

- i. *Regarding environmental nanoparticles.* Viral respiratory diseases are transmitted by the smallest size-fraction of virion-laden aerosol particles, which are reactive environmental nanoparticles. Therefore, the chemical and physical stabilities and transport properties of these aerosol particles are the foundation of the dominant contagion mechanism through air. My extensive work on reactive environmental nanoparticles is internationally recognized, and includes: precipitation and growth, surface reactivity, agglomeration, surface charging, phase transformation, settling and sedimentation, and reactive dissolution. In addition, I have taught the relevant fluid dynamics (air is a compressible fluid), and gravitational settling at the university level, and I have done industrial-application research on the technology of filtration (face masks are filters).
- ii. *Regarding molecular science, molecular dynamics, and surface complexation.* I am an expert in molecular structures, reactions, and dynamics, including molecular complexation to biotic and abiotic surfaces. These processes are the basis of viral attachment, antigen attachment, molecular replication, attachment to mask fibers, particle charging, loss and growth in aerosol particles, and all such phenomena involved in viral transmission and infection, and in protection measures. I taught quantum mechanics at the advanced university level for many years, which is the fundamental theory of atoms, molecules and substances; and in my published research I developed X-ray diffraction theory and methodology for characterizing small material particles.
- iii. *Regarding statistical analysis methods.* Statistical analysis of scientific studies, including robust error propagation analysis and robust estimates of bias, sets the limit of what reliably can be inferred from any observational study, including randomized controlled trials in medicine, and including field measurements during epidemics. I am an expert in error analysis and statistical analysis of complex data, at the research level in many areas of science. Statistical analysis methods are the basis of medical research.
- iv. *Regarding mathematical modelling.* Much of epidemiology is based on mathematical models of disease transmission and evolution in the population. I have research-level knowledge and experience with predictive and exploratory mathematical models and simulation methods. I have expert knowledge related to parameter uncertainties and parameter dependencies in such models. For example, my 2006 co-authored model of biogeochemical cycling of nutrients in lakes is highly cited (from my laboratory, lead researcher). I have recently made extensive simulations of epidemiological dynamics, using standard compartmental models and new models.
- v. *Regarding measurement methods.* In science there are five main categories of measurement methods: (1) spectroscopy (including nuclear, electronic and vibrational spectroscopies), (2) imaging (including optical and electron microscopies, and resonance imaging), (3) diffraction (including X-ray and neutron diffractions, used to elaborate molecular, defect and magnetic structures), (4) transport measurements (including reaction rates, energy transfers, and conductivities), and (5) physical property measurements (including specific density, thermal capacities, stress response, material fatigue...). I have taught these measurement methods in an interdisciplinary graduate course that I developed and gave to graduate (M.Sc. and Ph.D.) students of physics, biology, chemistry, geology, and engineering for many years. I have made fundamental discoveries and advances in areas of spectroscopy, diffraction, magnetometry, and microscopy, which have been published in leading scientific journals and presented at international conferences. I know measurement science, the basis of all sciences, at the highest level.

- Marine Baudin, PhD
- Joseph Hickey, PhD
- Jérémie Mercier, PhD
- John Johnson, PhD
- Christian Linard, PhD



COVID

- 2023-04-25 :: BOOK OF EXHIBITS of expert witness Denis Rancourt - National Citizens Inquiry
- 2023-03-29 :: The Court of Appeal for Ontario's decision in J.N. v. C.G. brings the province's appellate judiciary into disrepute
- 2023-02-09 :: Age-stratified COVID-19 vaccine-dose fatality rate for Israel and Australia
- 2023-02-05 :: Predictions from standard epidemiological models of consequences of segregating and isolating vulnerable people into care facilities
- 2022-12-20 :: Probable causal association between Australia's new regime of high all-cause mortality and its COVID-19 vaccine rollout
- 2022-12-06 :: Probable causal association between India's extraordinary April-July 2021 excess-mortality event and the vaccine rollout
- 2022-10-29 :: blogpost - Recommended books critical of the virus, magic bullet and vaccine theories
- 2022-10-05 :: Report: Proof that Canada's COVID-19 mortality statistics are incorrect
- 2022-09-23 :: OCLA Report 2022-2: Canadian court decisions on the constitutionality of Covid measures are invalid due to jurisdictional errors of law
- 2022-08-21 :: Compartmental mixing models for vaccination-status-based segregation regarding viral respiratory diseases
- 2022-08-02 :: COVID-Period Mass Vaccination Campaign and Public Health Disaster in the USA
- 2022-07-09 :: Evaluating the Effect of Lockdowns On All-Cause Mortality During the COVID Era: Lockdowns Did Not Save Lives
- 2022-04-27 :: OCLA Statement on CHA Fisman et al. Article Claiming Disproportionate Infection Risk from Unvaccinated Population, and on Negligent Media Reporting
- 2022-04-26 :: Géopolitique et Covid - Rancourt-Hercier
- 2022-03-20 :: Expert Report of Denis Rancourt, PhD - Outdoor transmission, efficacy of masks, gravity of the declared pandemic
- 2022-02-09 :: Nature of the toxicity of the COVID 19 vaccines in the USA
- 2022-01-12 :: COVID19 is a War Measure for Population Control in Shadow of US-China Conflict (Transcript, Géopolitics & Empire)
- 2021-10-25 :: Nature of the COVID-era public health disaster in the USA, from all-cause mortality and socio-geo-economic and climatic data
- 2021-09-20 :: Do Face Masks Reduce COVID-19 Spread in Bangladesh? Are the Abusuck et al. Results Reliable?
- 2021-08-06 :: Analysis of all-cause mortality by week in Canada 2010-2021, by province, age and sex: There was no COVID-19 pandemic, and there is strong evidence of response-caused deaths in the most elderly and in young males
- 2021-08-02 :: Open Letter to the Unvaccinated
- 2021-02-02 :: Review of scientific reports of harms caused by face masks, up to February 2021
- 2021-02-06 :: REPORT :: Analysis of the scientific basis for Ontario, Canada's mandatory face masking and physical distancing law, 2020
- 2021-01-04 :: OPINION - What I believe about COVID
- 2020-12-28 :: Measures do not prevent deaths, transmission is not by contact, masks provide no benefit, vaccines are inherently dangerous: Review update of recent science relevant to COVID-19 policy
- 2020-11-10 :: The Great VIRAL Debate (Off-Guardian) - Dr Rancourt's Closing Statement
- 2020-08-20 :: Evaluation of the virulence of SARS-CoV-2 in France, from all-cause mortality 1944-2020
- 2020-08-03 :: Face masks, lies, damn lies, and public health officials: 'A growing body of evidence'
- 2020-06-21 :: LETTER - OCLA Asks WHO to Retract Recommendation Advising Use of Face Masks in General Population
- 2020-06-05 :: COVID censorship at ResearchGate: Things scientists cannot say
- 2020-06-02 :: All-cause mortality during COVID-19 - No plague and a likely signature of mass homicide by government response
- 2020-04-18 :: REPORT :: Criticism of Government Response to COVID-19 in Canada
- 2020-04-11 :: Masks Don't Work - A review of science relevant to COVID-19 social policy

<https://denisrancourt.ca/>

BOOK OF EXHIBITS OF EXPERT WITNESS DENIS RANCOURT, PHD

April 25, 2023

Denis Rancourt, PhD
<https://denisrancourt.ca/>

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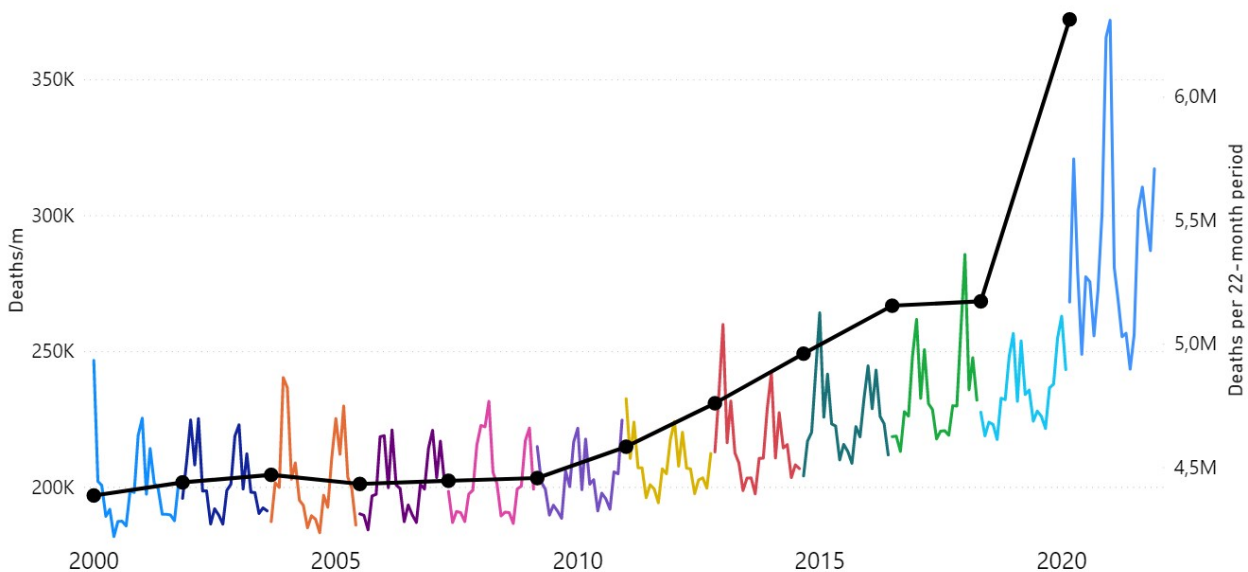
2022 (47 pages), https://correlation-canada.org/report-probable-causal-association-between-australias-new-regime-of-high-all-cause-mortality-and-its-covid-19-vaccine-rollout/ .	
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(102) J.A. Johnson, D.G. Rancourt. "Evaluating the Effect of Lockdowns On All-Cause Mortality During the COVID Era: Lockdowns Did Not Save Lives". <i>ResearchGate</i> , 9 July 2022 (16 pages), http://dx.doi.org/10.13140/RG.2.2.34191.46242 . Preprint. And published by Brownstone Institute (6 September 2022): https://brownstone.org/articles/lockdowns-did-not-save-lives/	383
(100) J. Hickey, D.G. Rancourt. "Nature of the toxicity of the COVID 19 vaccines in the USA". Ontario Civil Liberties Association, 9 February 2022 (14 pages), OCLA Report 2022-1 (ver. 1) 9 February 2022, https://ocla.ca/wp-content/uploads/2022/02/OCLA-Report-2022-1-v1.pdf	400
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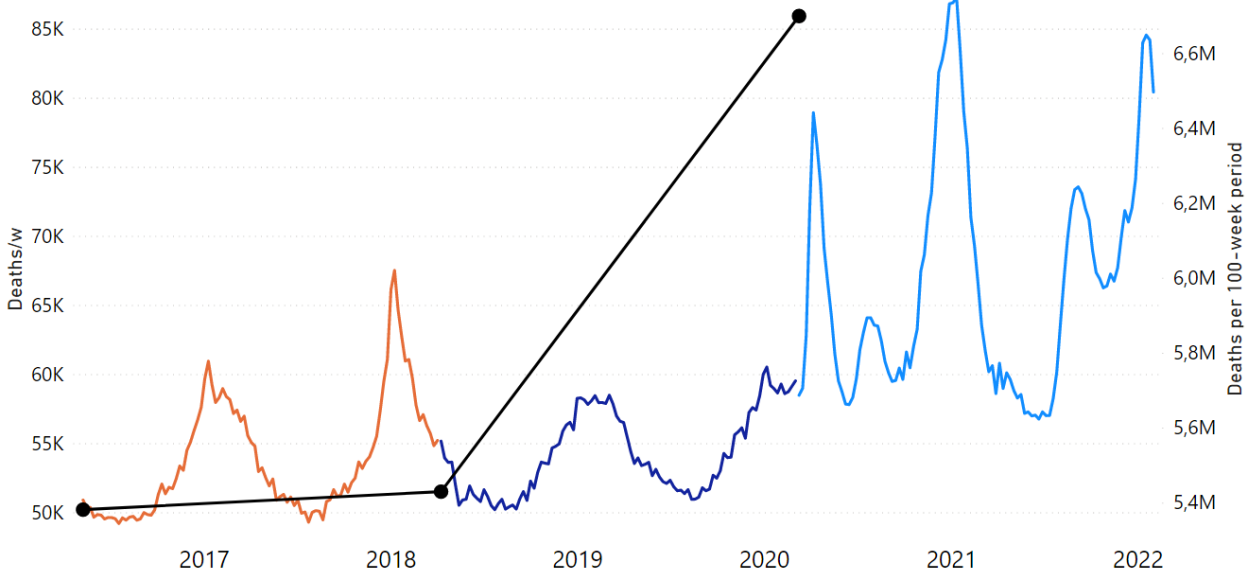
Study of all-cause mortality shows that:

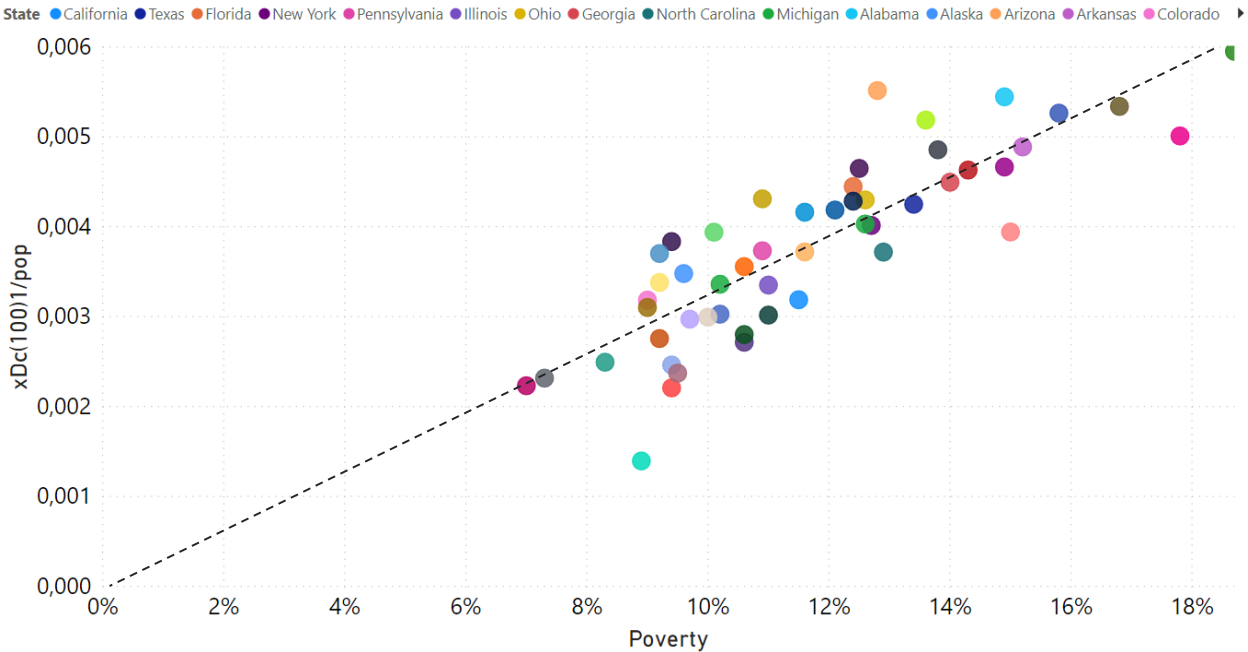
- there was no pandemic causing excess mortality
- measures caused excess mortality
- COVID-19 vaccination caused excess mortality

ACM/m, USA, 2000-2021



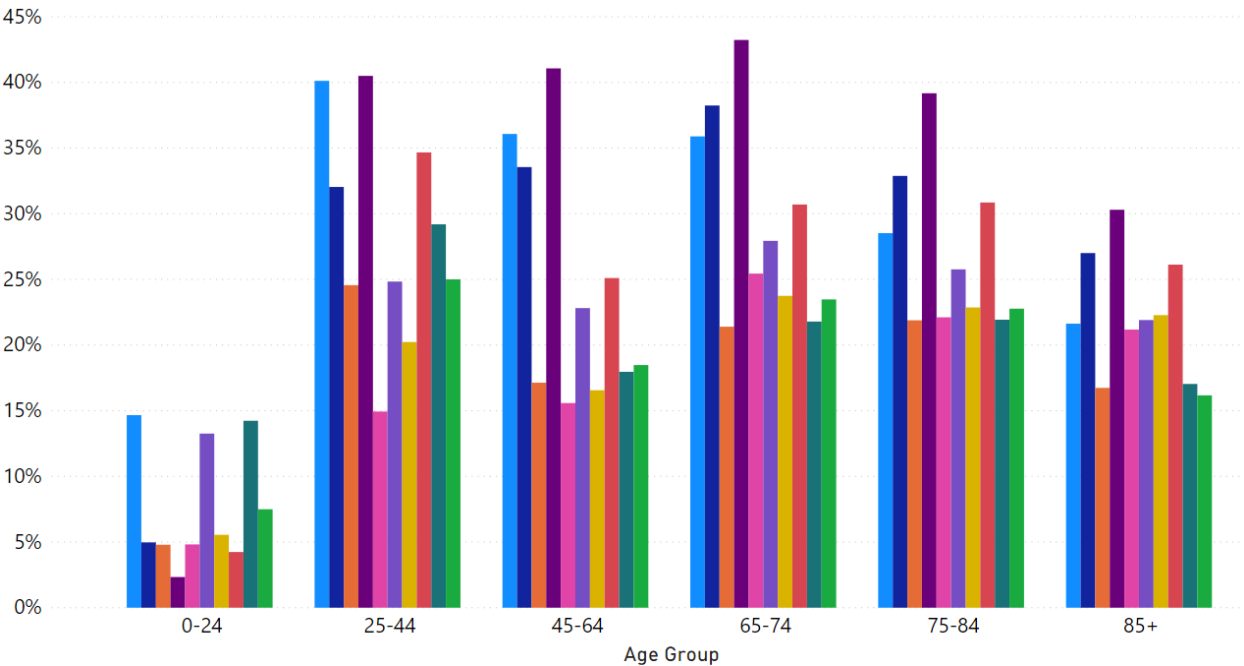
ACM/w, USA, 2016-2022





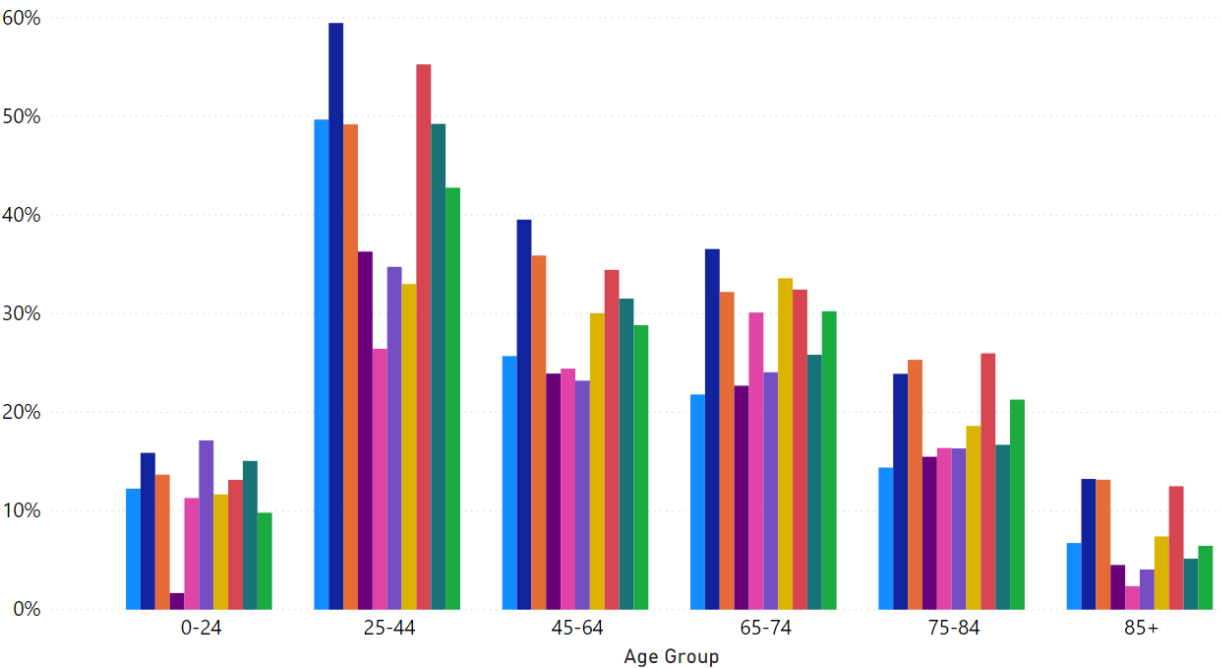
pVax-pCVD/pCVD, CA-TX-FL-NY-PA-IL-OH-GA-NC-MI, by age group

State ● California ● Texas ● Florida ● New York ● Pennsylvania ● Illinois ● Ohio ● Georgia ● North Carolina ● Michigan

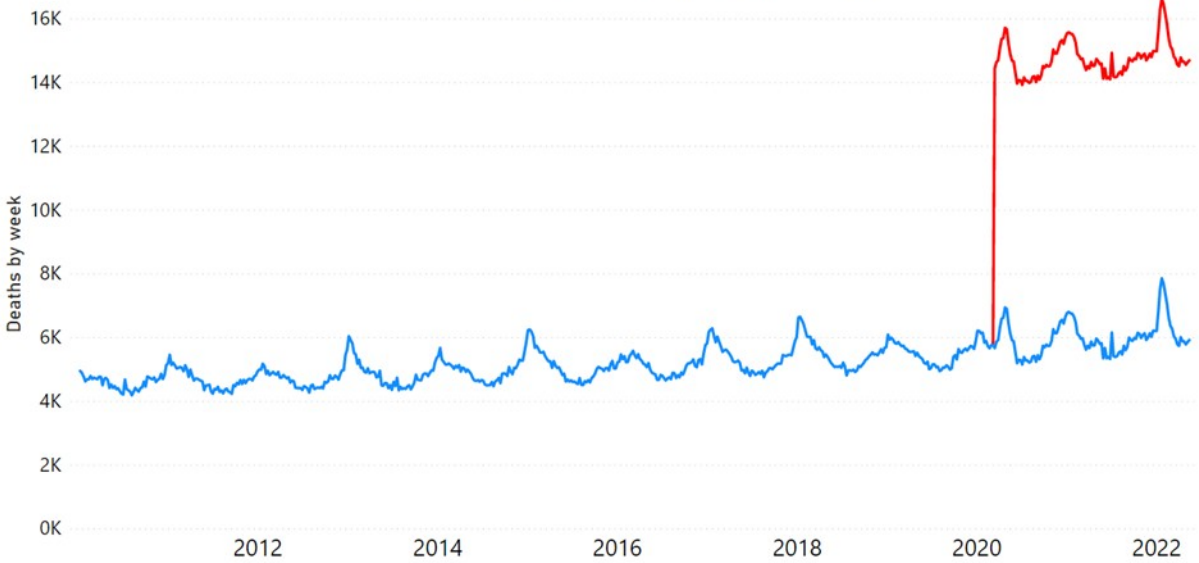


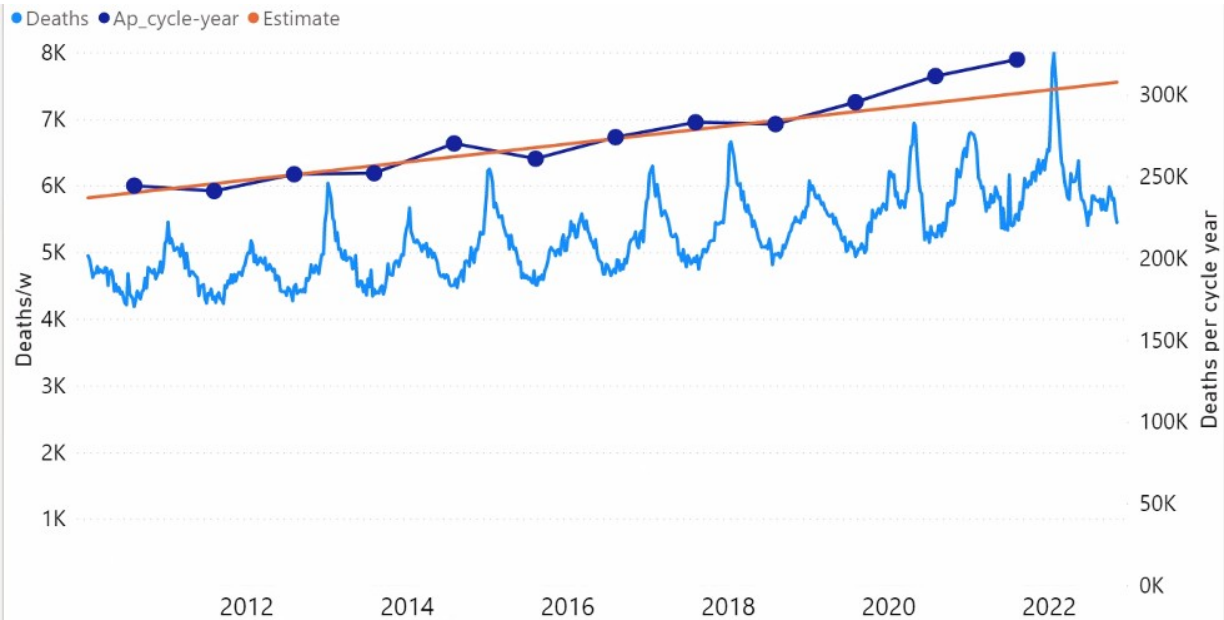
Vax-pCVD/pCVD, CA-TX-FL-NY-PA-IL-OH-GA-NC-MI, by age group

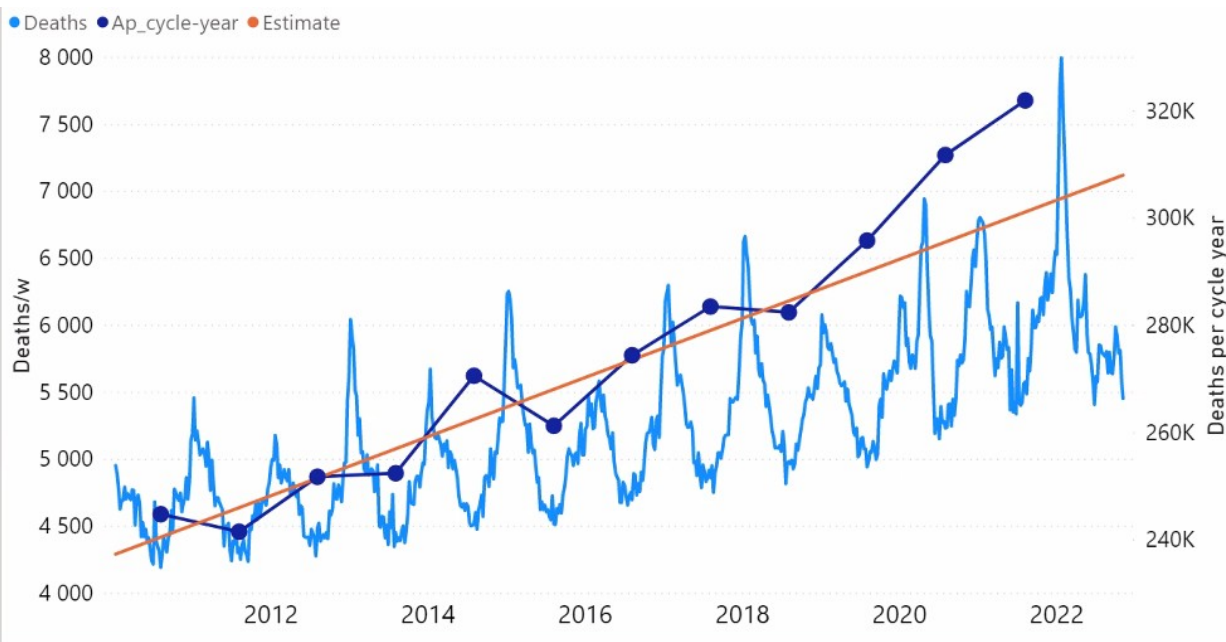
State ● California ● Texas ● Florida ● New York ● Pennsylvania ● Illinois ● Ohio ● Georgia ● North Carolina ● Michigan



Simulated all-cause mortality (ACM) by week, 2010-2022, for Canada, using the proposal of Ogden et al.

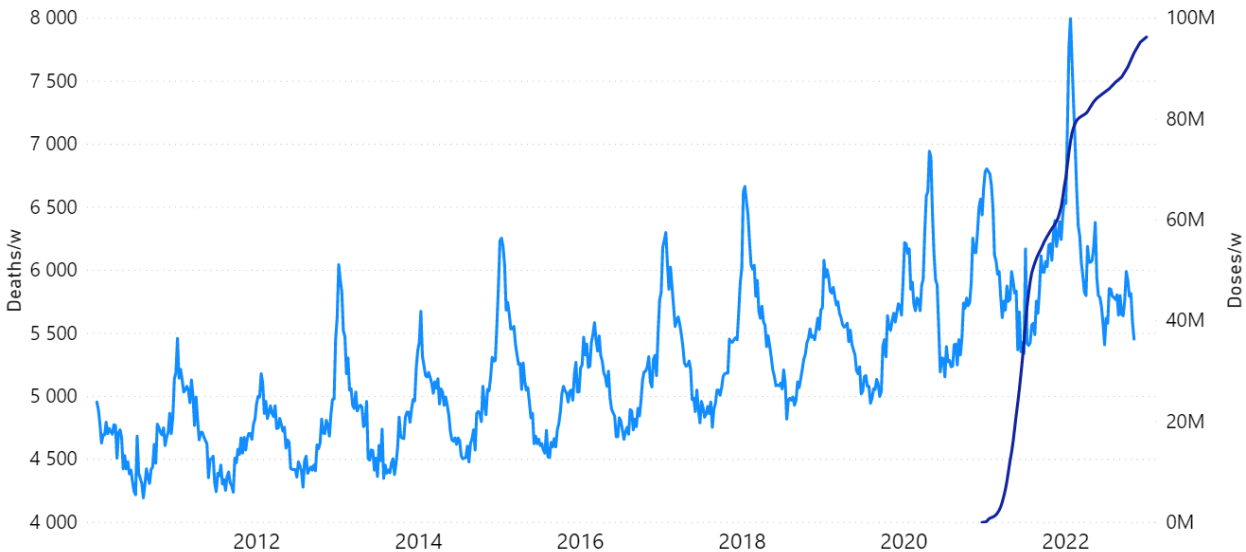


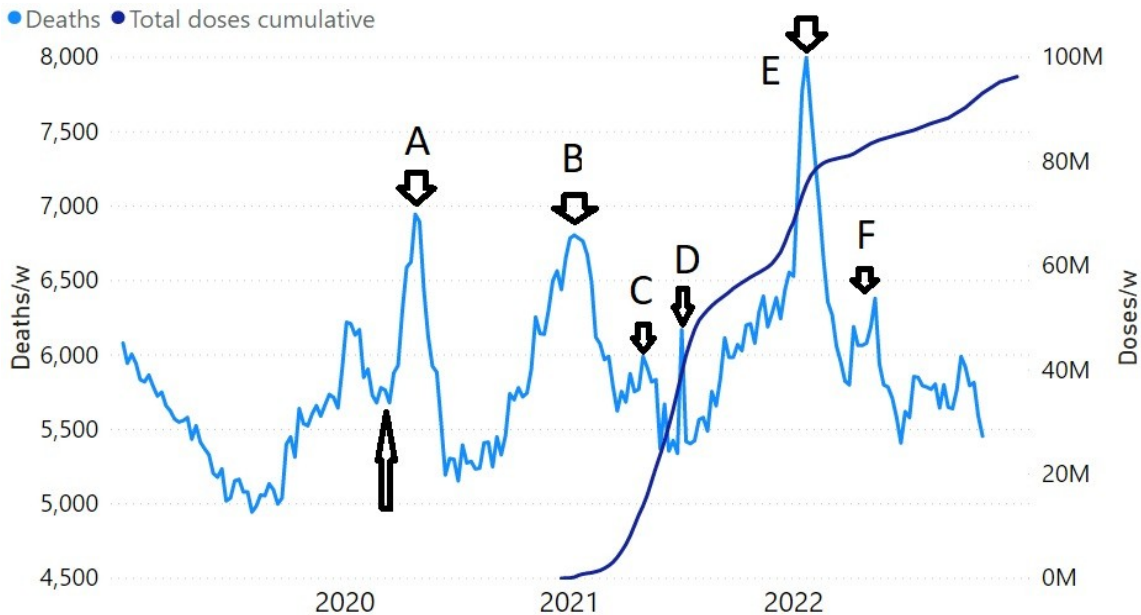




ACM/w, Canada, 2010-2022

● Deaths ● Total doses





ACM-SB/w/pop, CT-MD-MA-NJ-NY, 2013-2021

State ● Connecticut ● Maryland ● Massachusetts ● New Jersey ● New York

5E-004

Deaths/w/pop

0E+000

2014

2015

2016

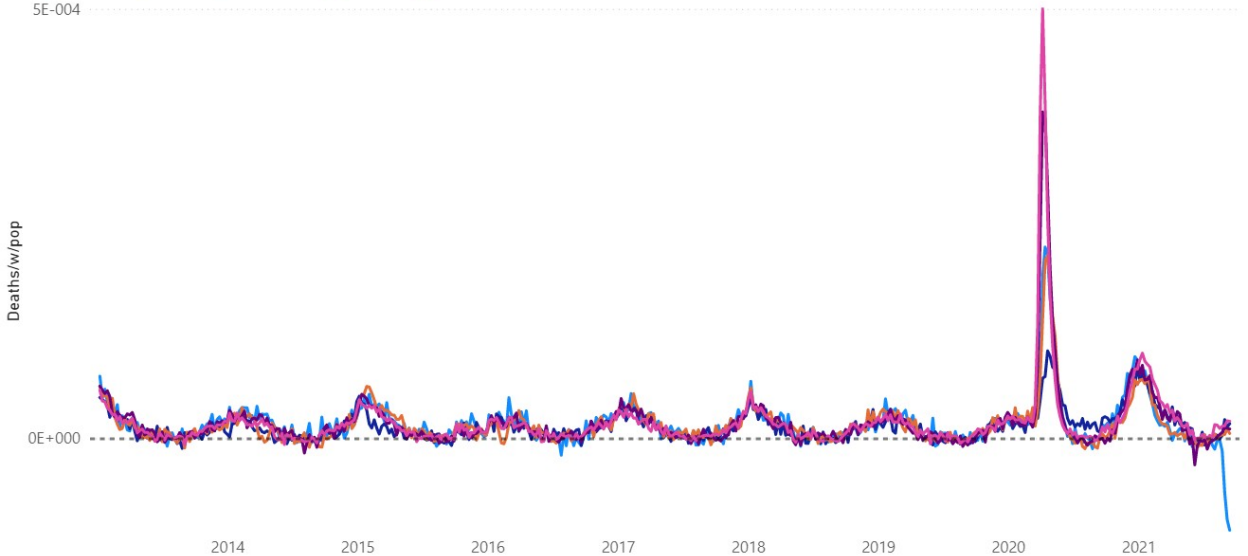
2017

2018

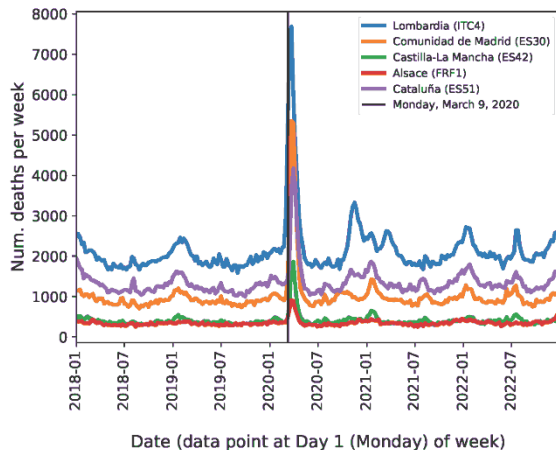
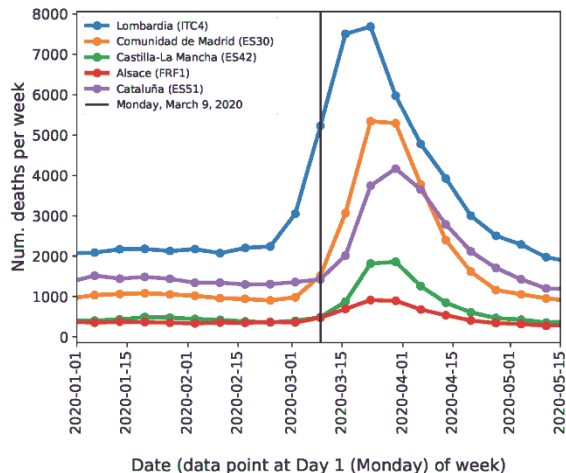
2019

2020

2021

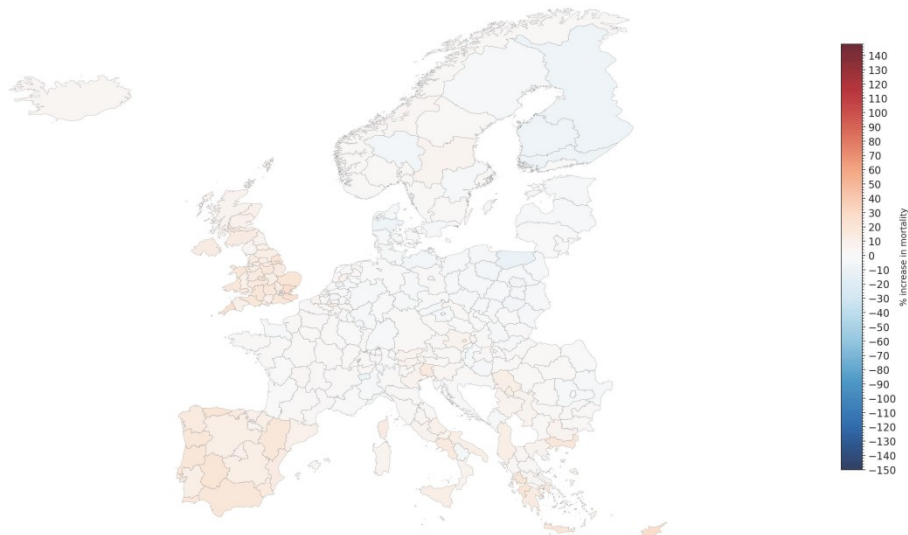
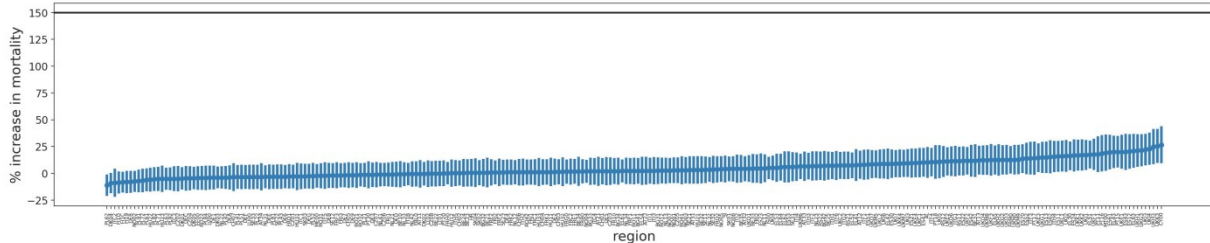


Five NUTS2 regions with highest % increase above baseline for March 2020

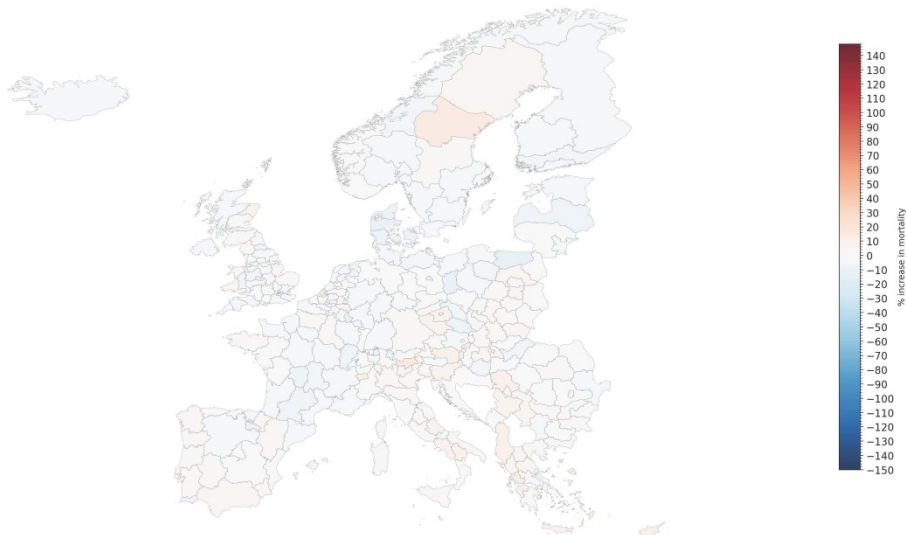
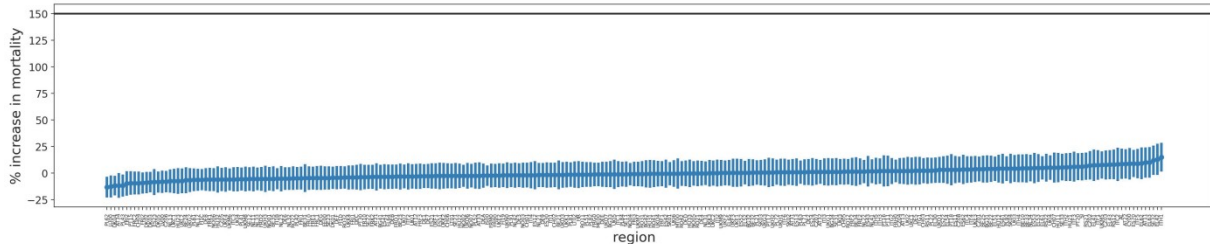




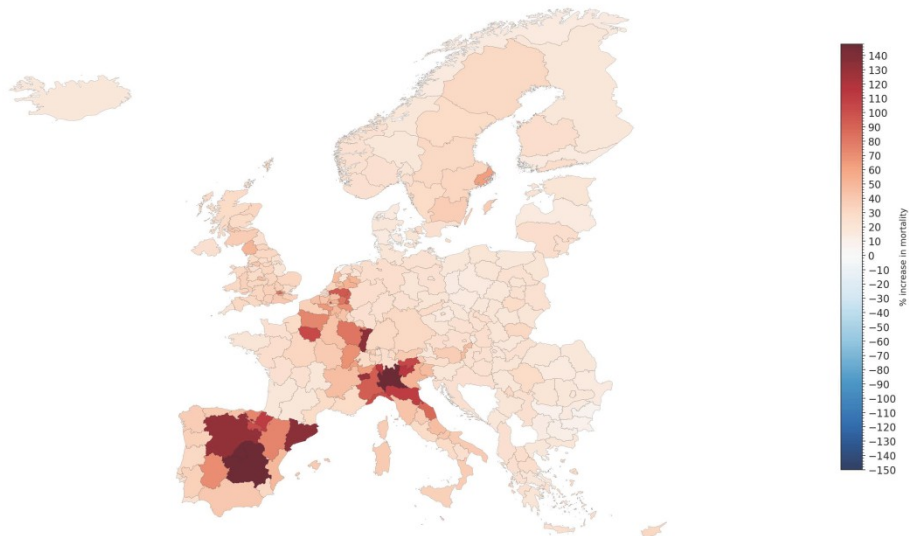
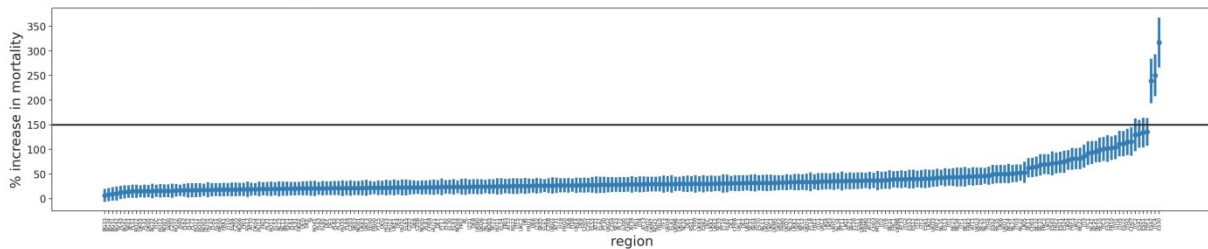
Excess mortality for 2020-Jan
(% increase above baseline calculated from lin. fit to 2015-2019)



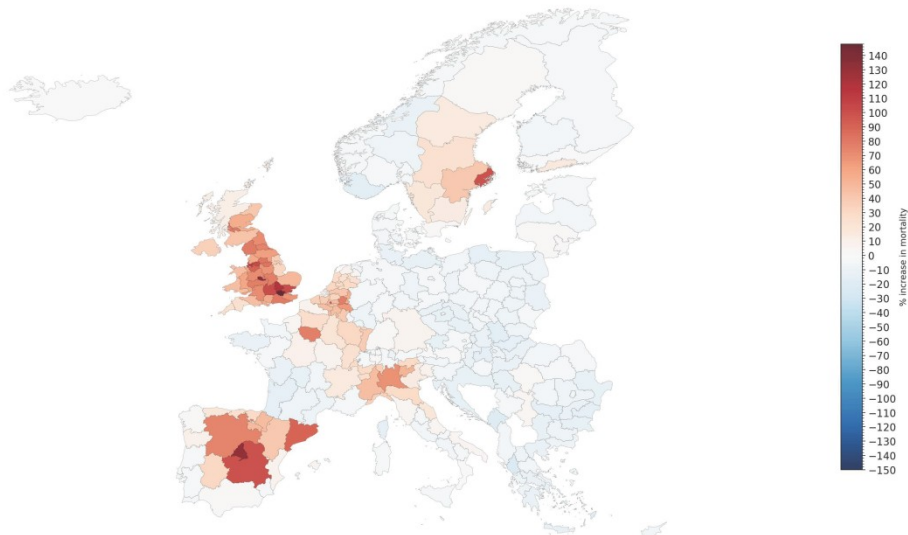
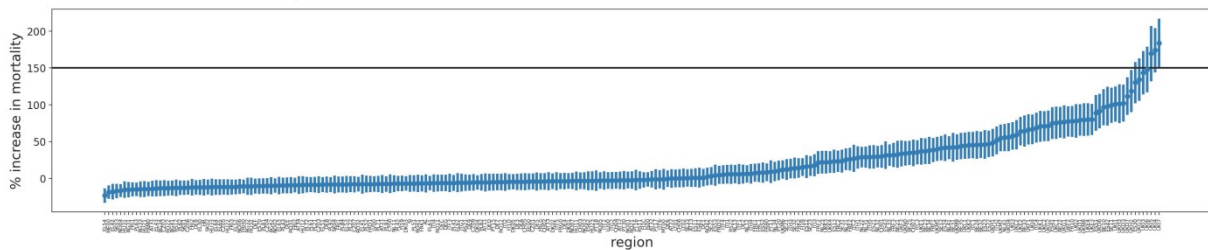
Excess mortality for 2020-Feb
(% increase above baseline calculated from lin. fit to 2015-2019)



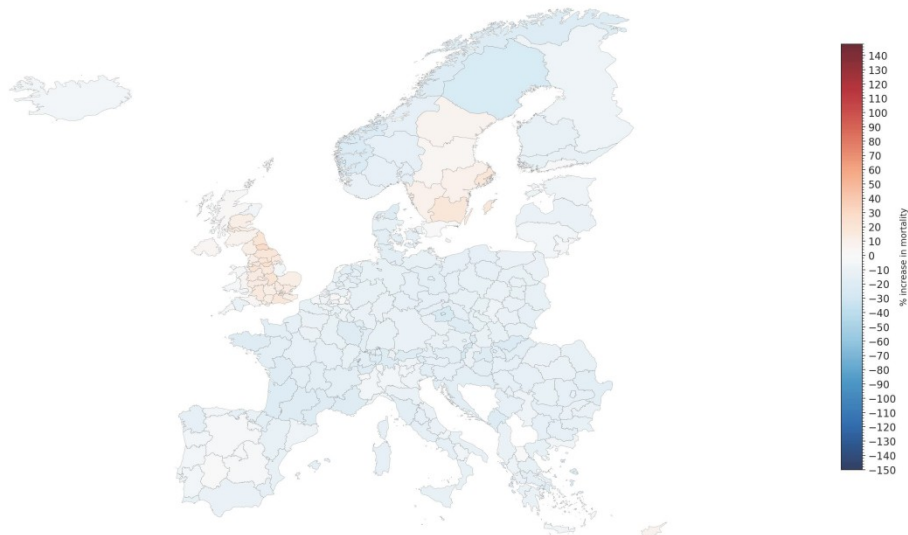
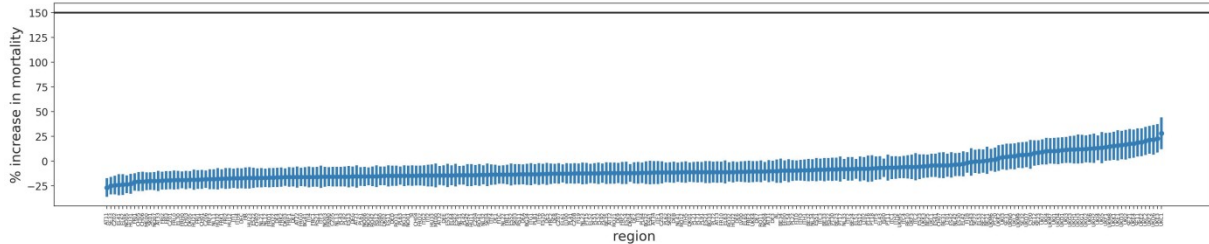
Excess mortality for 2020-Mar
(% increase above baseline calculated from lin. fit to 2015-2019)



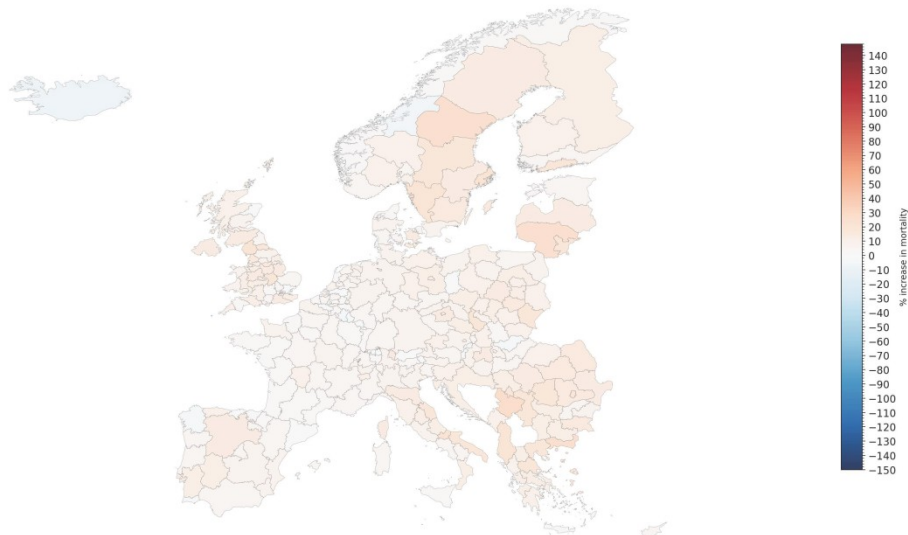
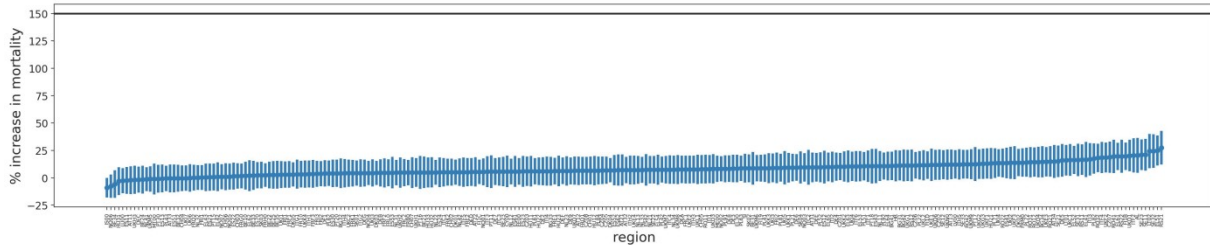
Excess mortality for 2020-Apr
(% increase above baseline calculated from lin. fit to 2015-2019)

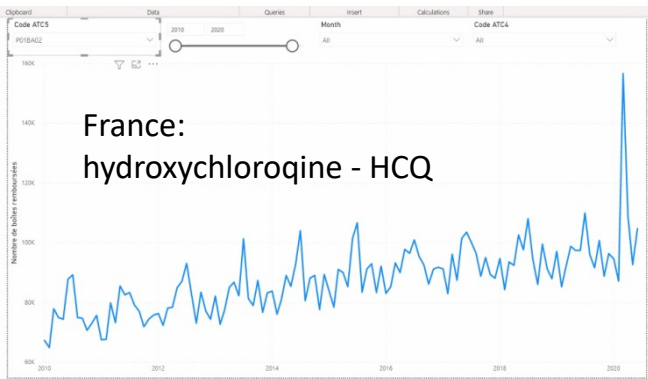
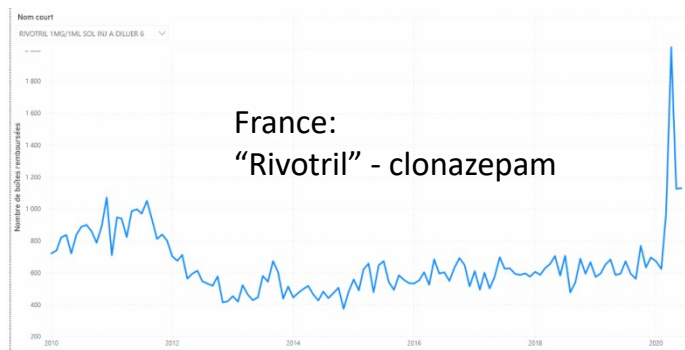


Excess mortality for 2020-May
(% increase above baseline calculated from lin. fit to 2015-2019)



Excess mortality for 2020-Jun
(% increase above baseline calculated from lin. fit to 2015-2019)





Section 4: Can the COVID-19 vaccines cause death?

22. The answer is yes, beyond any reasonable doubt.
23. In fact, the vaccines are quite toxic, as far as pharmaceutical interventions go, reaching a rate of death for the most elderly patients of approximately 1 death per 100 doses administered (1 % death rate per dose). See ref. (111).
24. The conclusive evidence that the vaccines can cause death is from several sources, as explained in ref. (111) (at p. 2):

It is well established that the COVID-19 vaccines can cause death, as seen from:

- detailed autopsy studies (Choi et al., 2021; Schneider et al., 2021; Sessa et al., 2021; Gill et al., 2022; Mörz, 2022; Schwab et al., 2022; Suzuki et al., 2022; Tan et al., 2022; Yoshimura et al., 2022; Onishi et al., 2023),
- adverse effect monitoring (Hickey and Rancourt, 2022) [ref. (100)],
- a recent survey study (Skidmore, 2023),
- studies of vaccine-induced pathologies (e.g., Goldman et al., 2021; Kuvandik et al., 2021; Turni and Lefringhausen, 2022; Edmonds et al., 2023; Wong et al., 2023), and
- more than 1,250 peer-reviewed publications about COVID-19 vaccine adverse effects (React 19, 2022).

Choi et al. (2021): Sangjoon Choi, SangHan Lee, Jeong-Wook Seo, Min-ju Kim, Yo Han Jeon, Ji Hyun Park, Jong Kyu Lee, Nam Seok Yeo /// Myocarditis-induced Sudden Death after BNT162b2 mRNA COVID-19 Vaccination in Korea: Case Report Focusing on Histopathological Findings /// *Journal of Korean Medical Science* 2021; 36(40): e286.

DOI: <https://doi.org/10.3346/jkms.2021.36.e286>

Schneider et al. (2021): Schneider, J., Sottmann, L., Greinacher, A. et al. /// Postmortem investigation of fatalities following vaccination with COVID-19 vaccines. /// *Int J Legal Med* 135, 2335–2345 (2021).

<https://doi.org/10.1007/s00414-021-02706-9>

Sessa et al. (2021): Sessa, F.; Salerno, M.; Esposito, M.; Di Nunno, N.; Zamboni, P.; Pomara, C. ///

Autopsy Findings and Causality Relationship between Death and COVID-19 Vaccination: A Systematic Review. */// J. Clin. Med.* 2021, 10, 5876. <https://doi.org/10.3390/jcm10245876>

Gill et al. (2022): James R. Gill, Randy Tashjian, Emily Duncanson */// Autopsy Histopathologic Cardiac Findings in 2 Adolescents Following the Second COVID-19 Vaccine Dose. /// Arch Pathol Lab Med* 1 August 2022; 146 (8): 925–929. doi: <https://doi.org/10.5858/arpa.2021-0435-SA>

Mörz (2022): Mörz, M. A */// Case Report: Multifocal Necrotizing Encephalitis and Myocarditis after BNT162b2 mRNA Vaccination against COVID-19. /// Vaccines* 2022, 10, 1651. <https://doi.org/10.3390/vaccines10101651>

Schwab et al. (2022): Schwab, C., Domke, L.M., Hartmann, L. et al. */// Autopsy-based histopathological characterization of myocarditis after anti-SARS-CoV-2-vaccination. /// Clin Res Cardiol* (2022). <https://doi.org/10.1007/s00392-022-02129-5>

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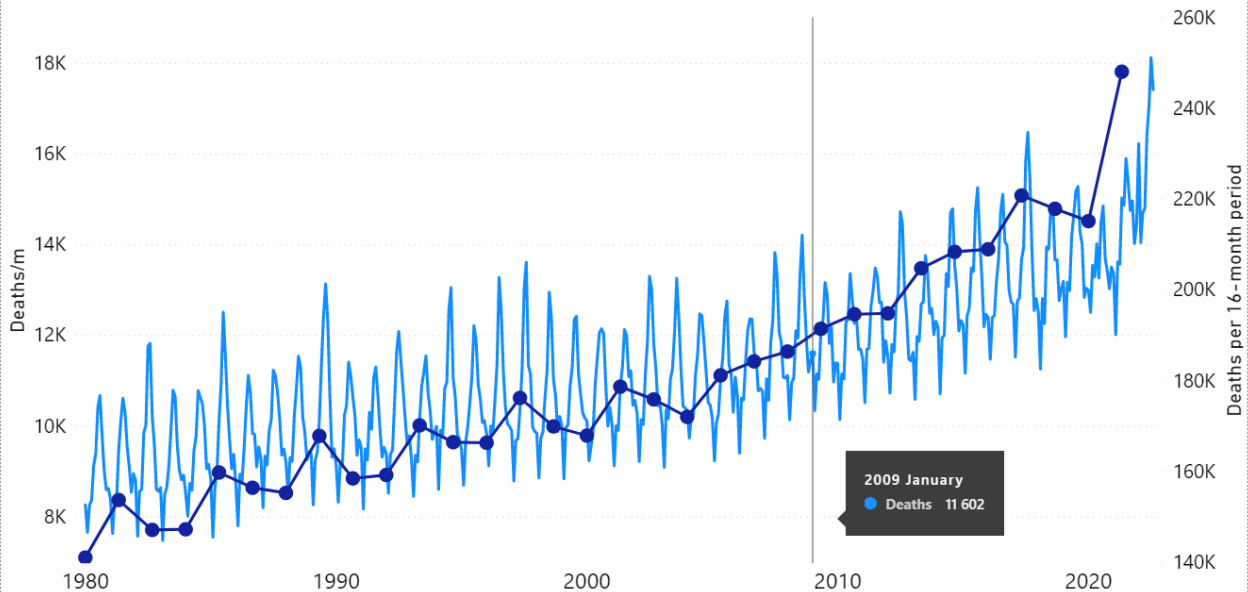
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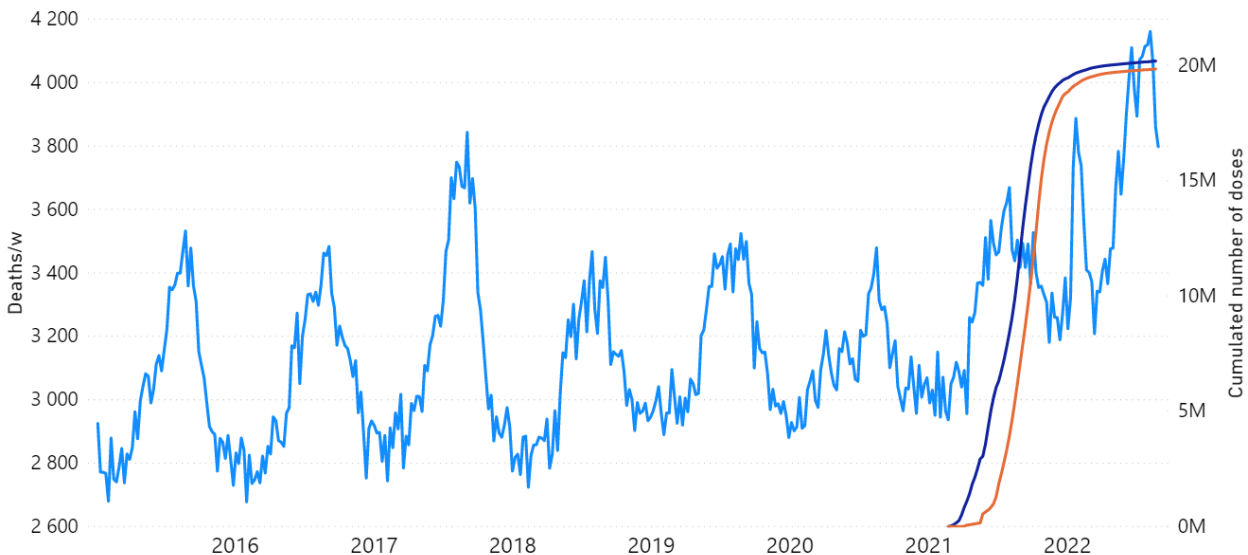
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ACM/m, Australia, 1980-2022



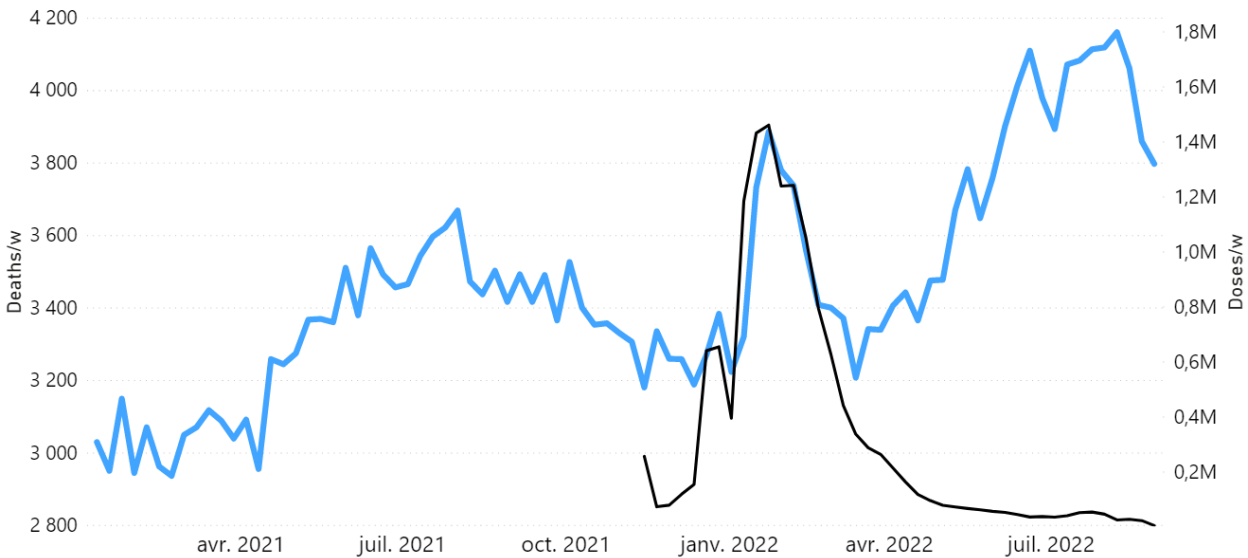
ACM/w, Australia, 2015-2022

Deaths First doses Second doses



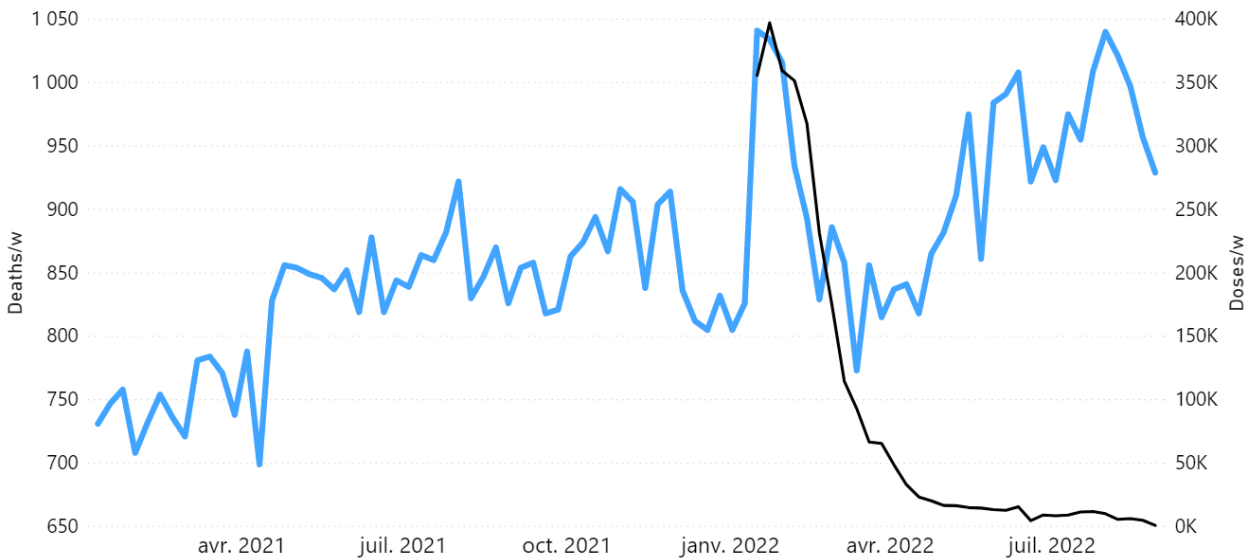
ACM/w, Australia, 2021-2022

● Deaths ● Boosters



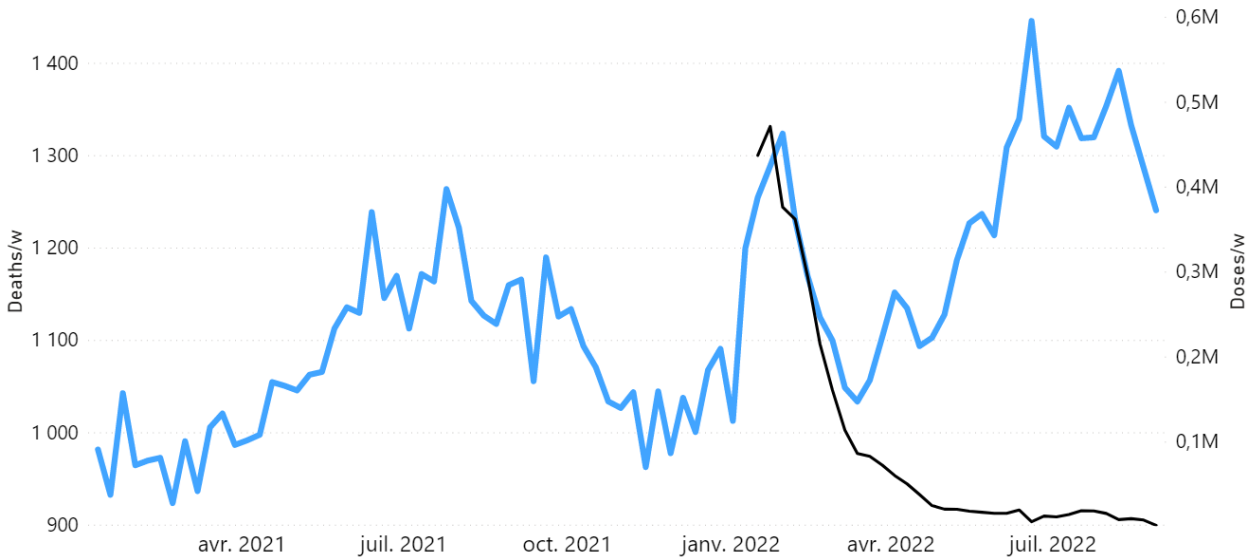
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● Deaths ● Boosters



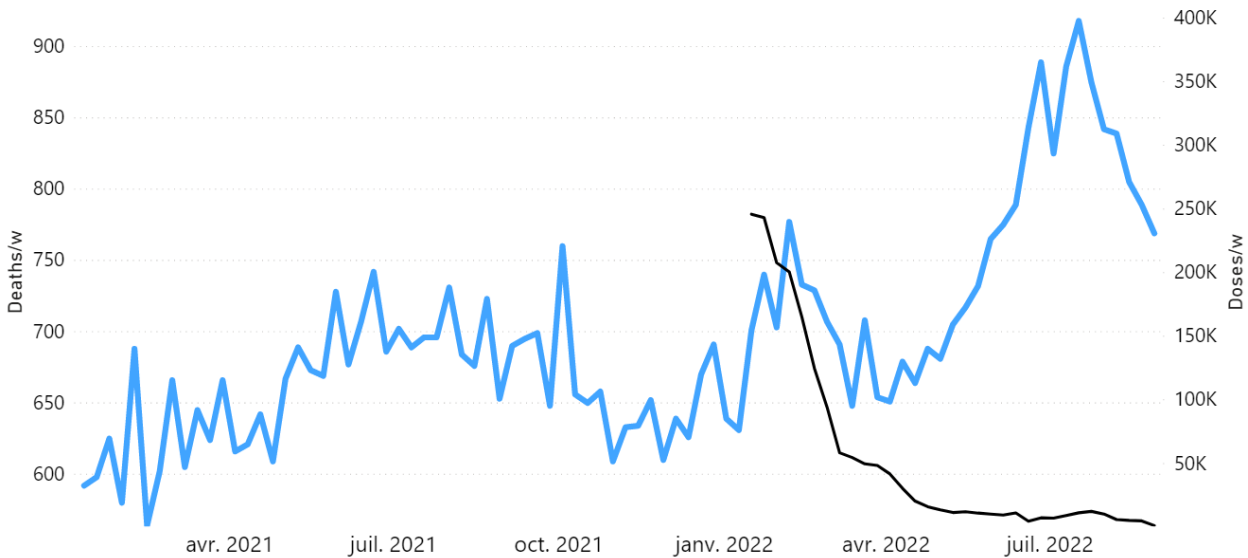
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● Deaths ● Boosters



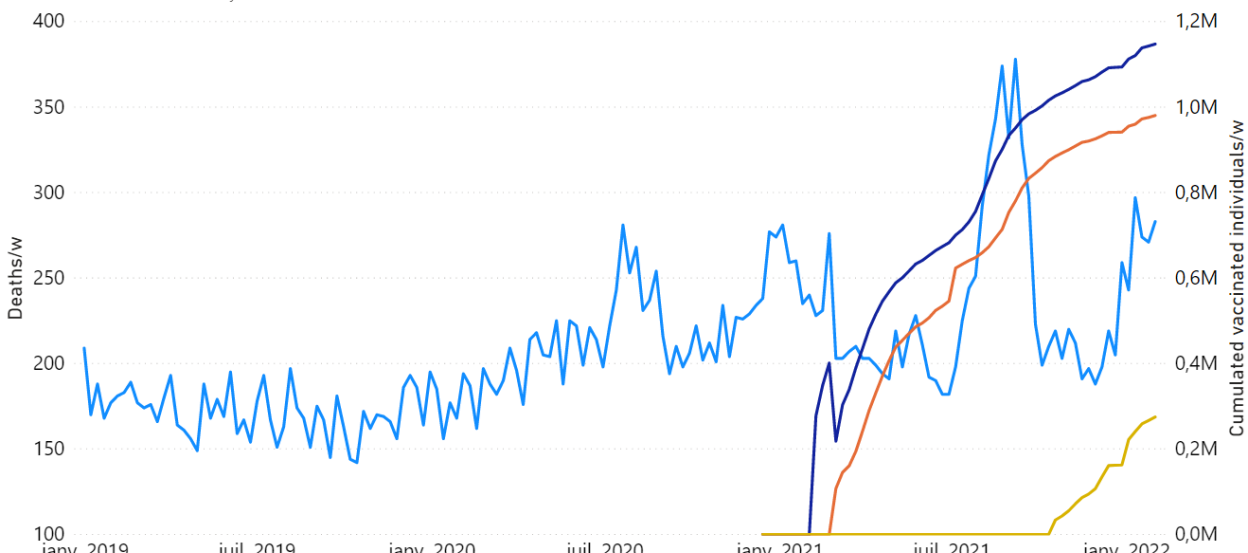
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● Deaths ● Boosters



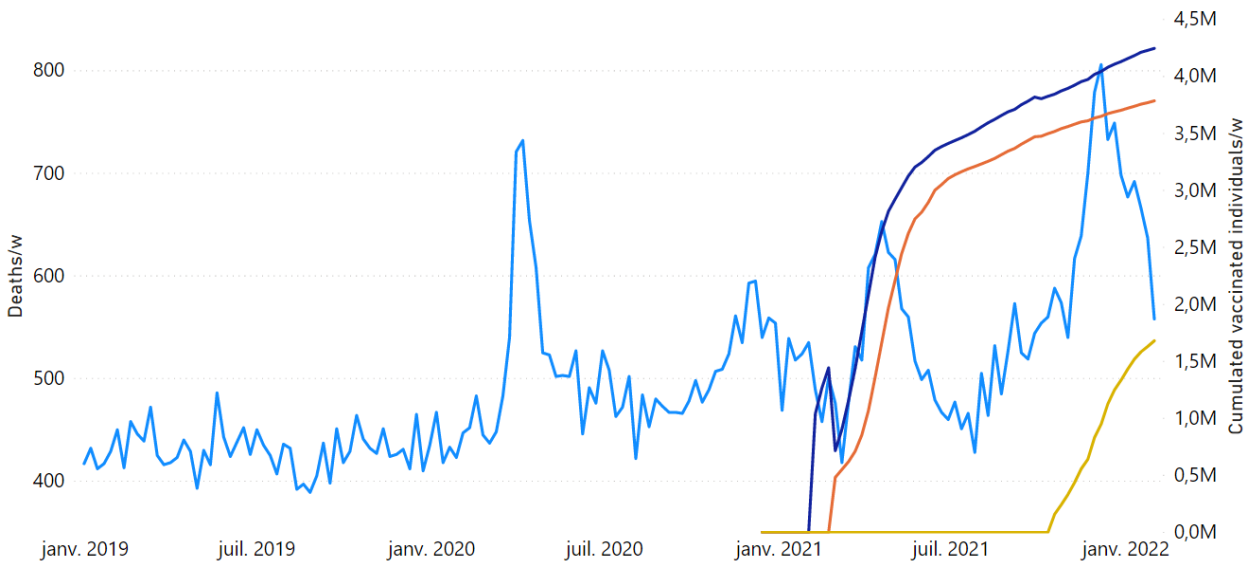
ACM/w, Mississippi, 25-64 age group, 2019-2022

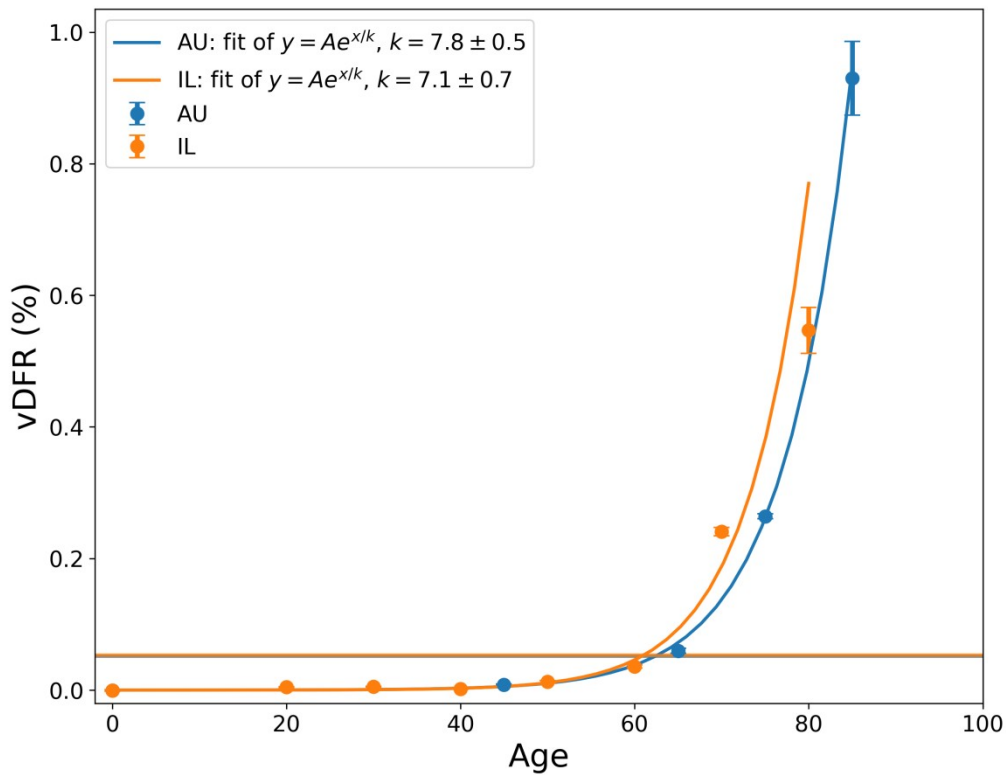
Deaths/w At least 1 dose Fully vaccinated Booster

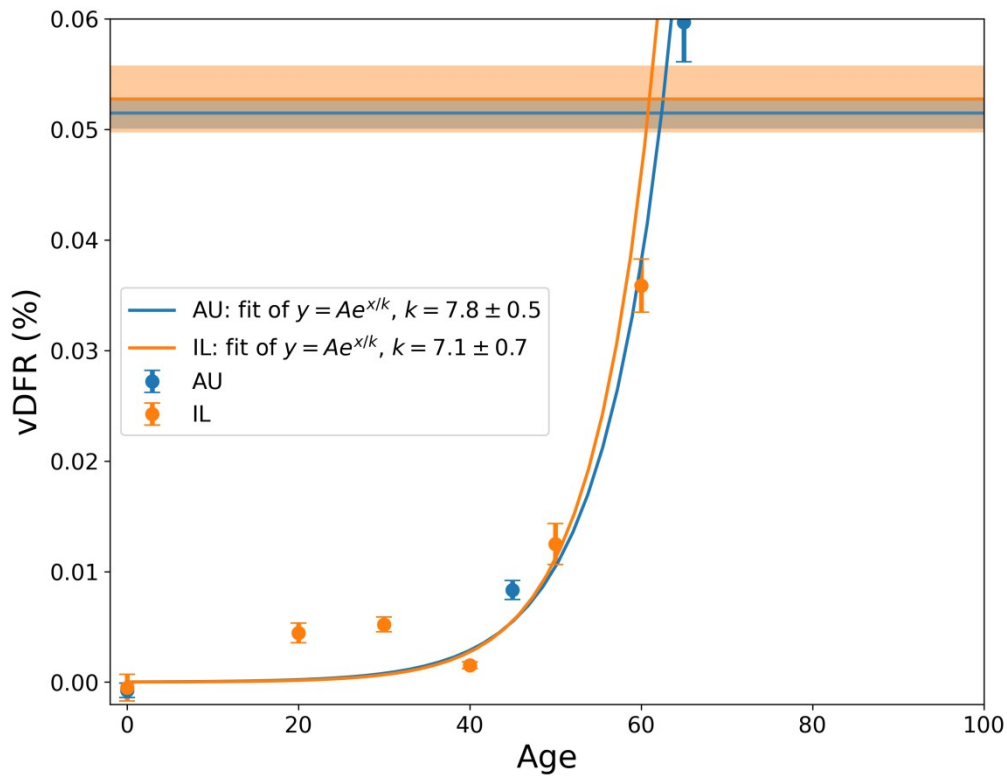


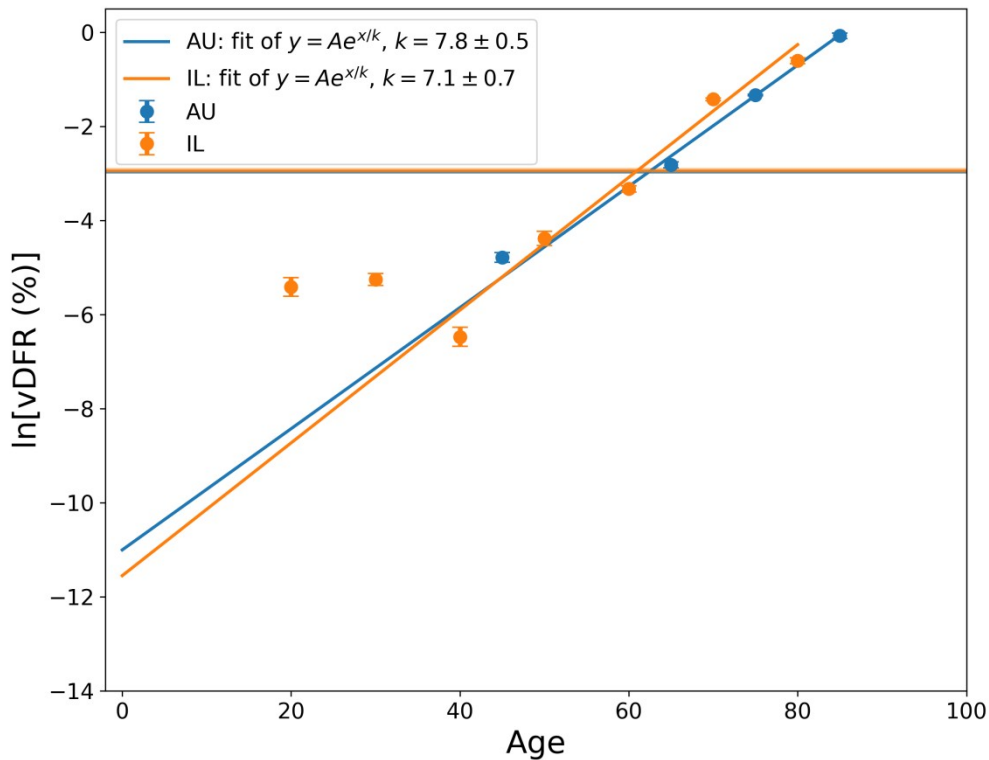
ACM/w, Michigan, 25-64 age group, 2019-2022

Deaths/w At least 1 dose Fully vaccinated Booster

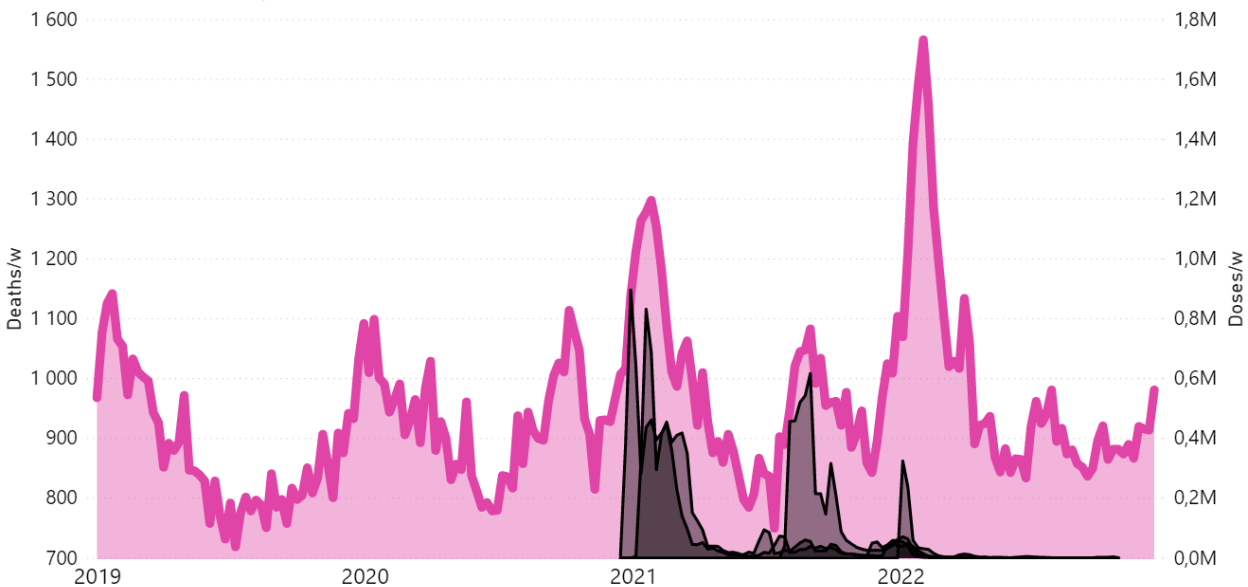




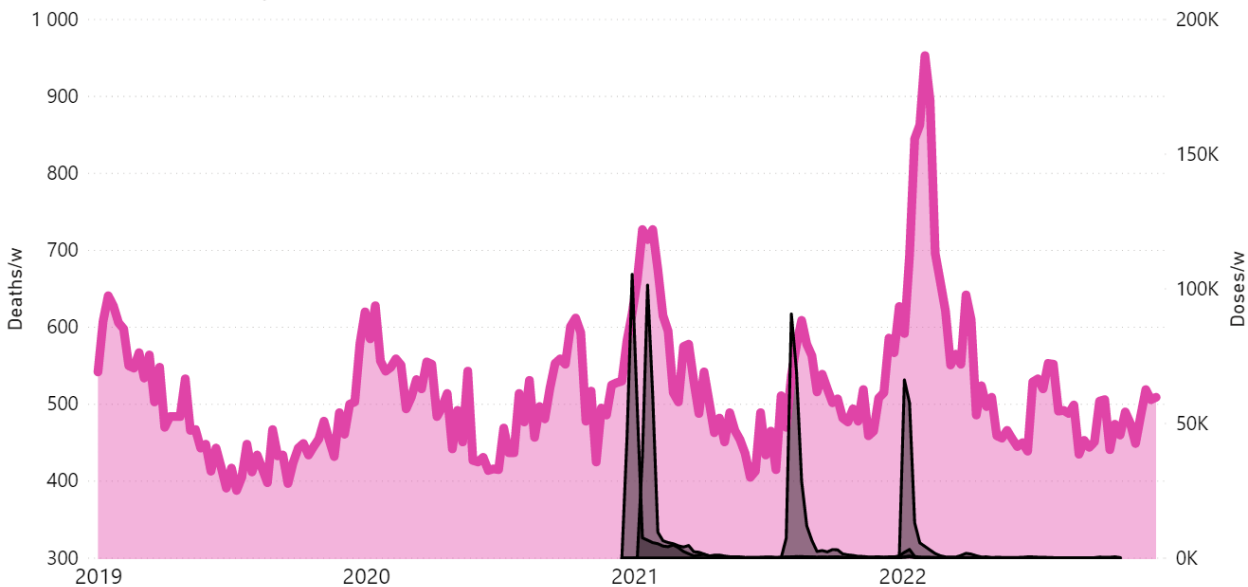




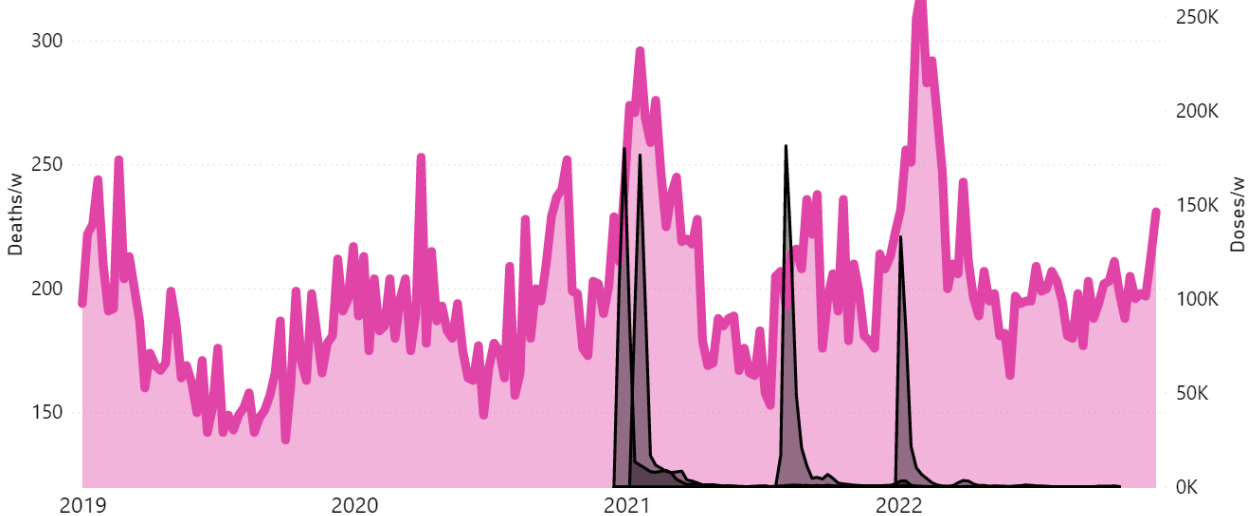
ACM/w and vaccine doses by week, Israel, 2019-2022



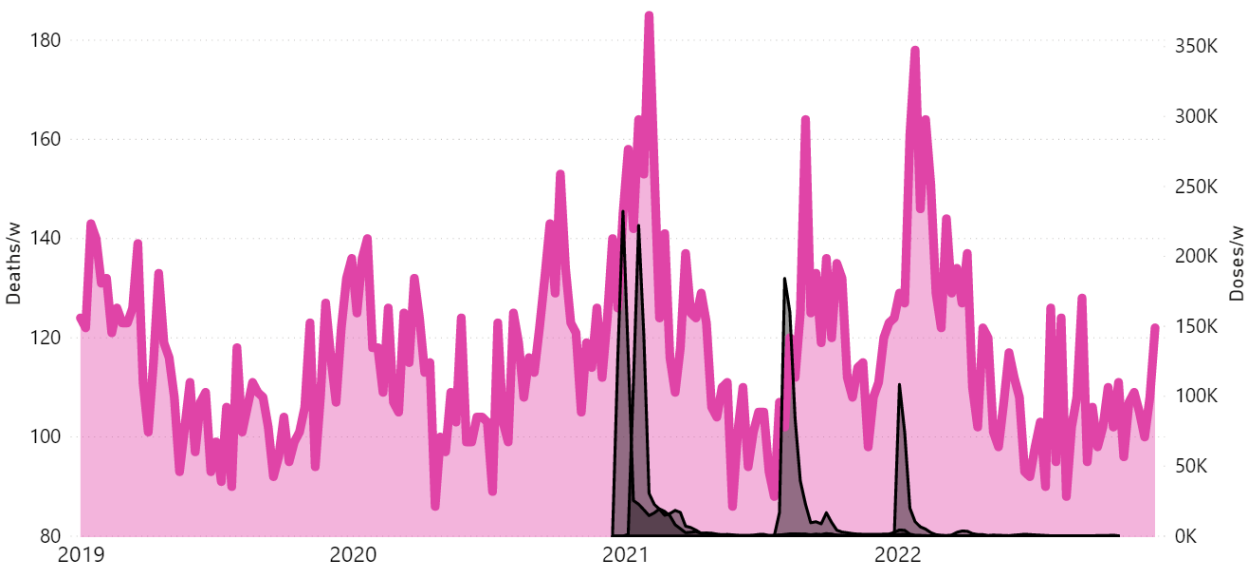
ACM/w and vaccine doses by week, Israel, 80+, 2019-2022



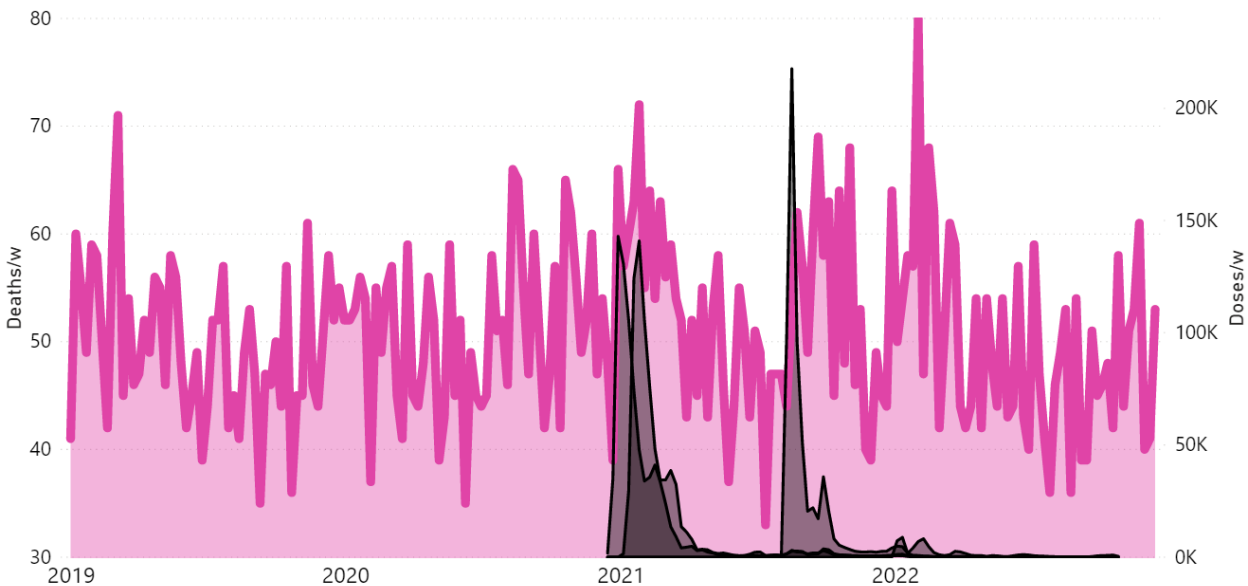
ACM/w and vaccine doses by week, Israel, 70-79, 2019-2022



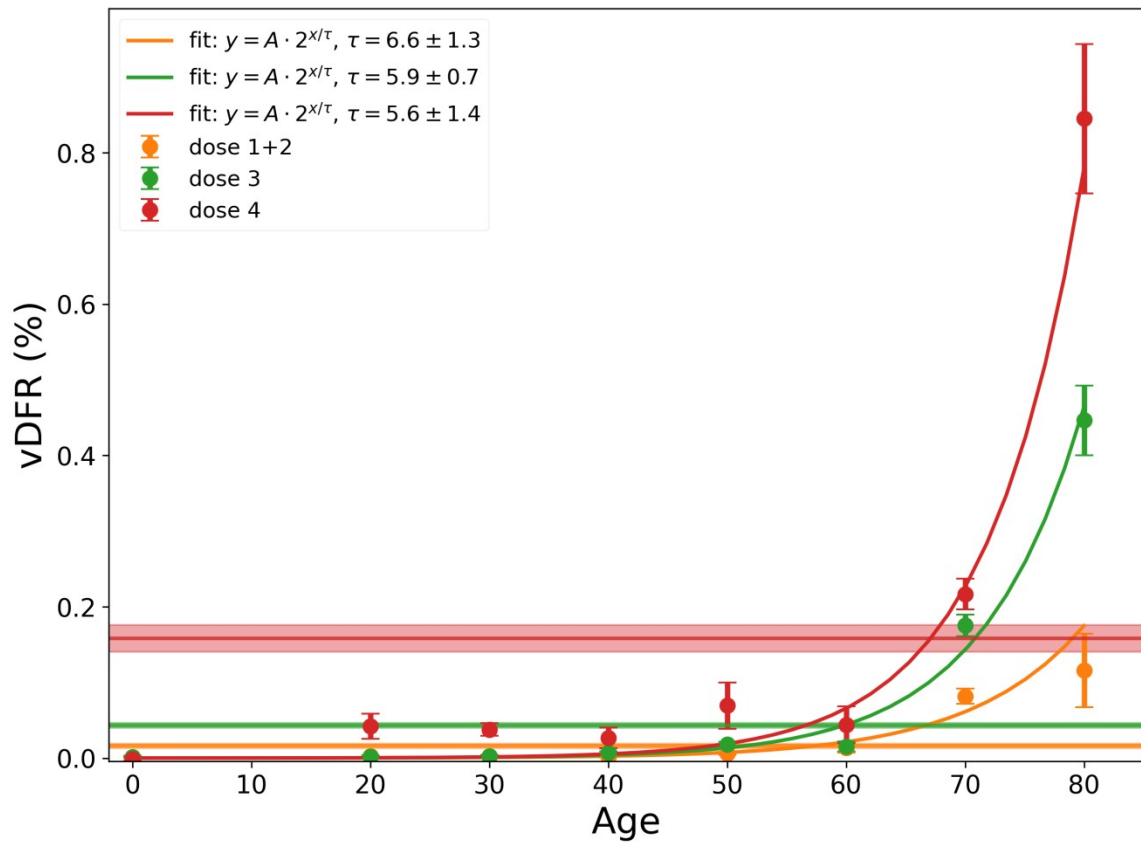
ACM/w and vaccine doses by week, Israel, 60-69, 2019-2022



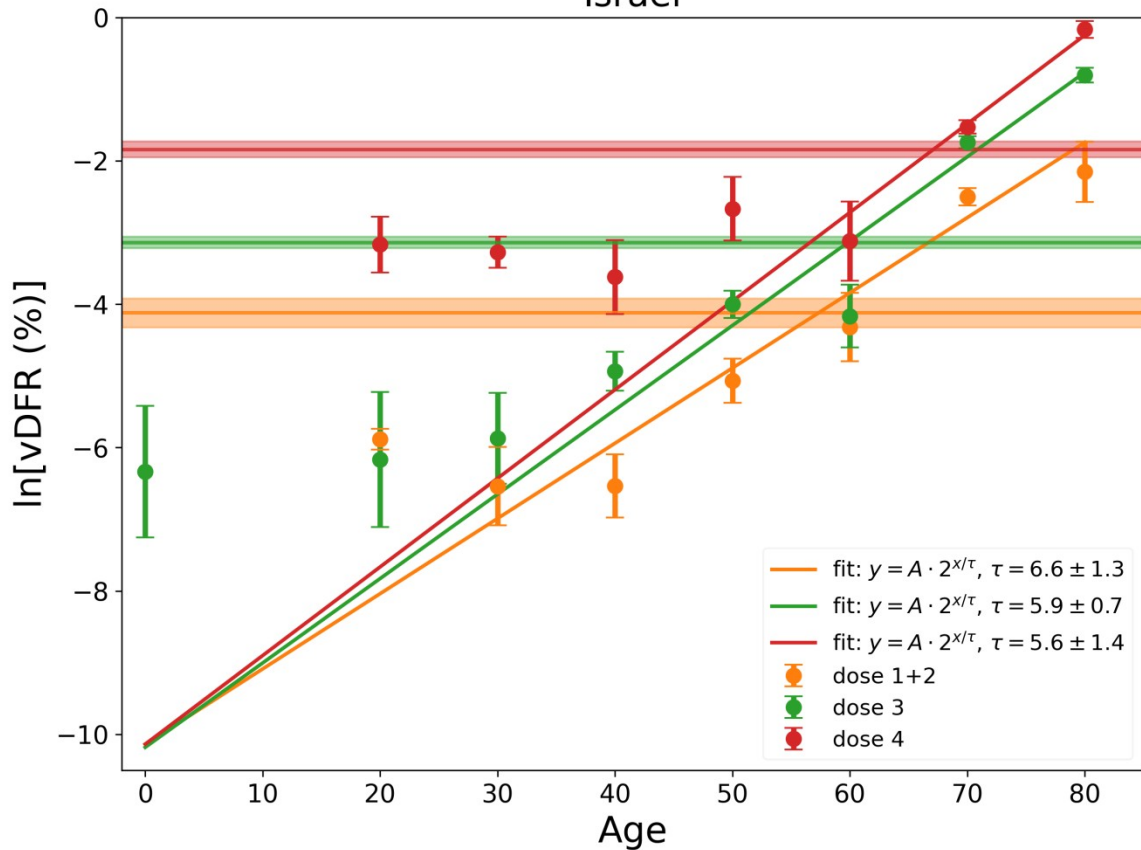
ACM/w and vaccine doses by week, Israel, 50-59, 2019-2022



Israel



Israel



India
Australia
Canada
Chile
Germany
Israel
New Zealand
USA ...

vDFR:
0.05% - 0.1% - 1% - <3%

13 M – World
3.7 M – India
330 K – USA (vs 1.3 M)
~ 30 K – Canada