



Public Health England

Protecting and improving the nation's health

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By email
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Our ref: 07/06/21/tr/443

2 July 2021

Dear Cally Starforth Hill,

Re: Vaccine effectiveness and uptake

Thank you for your request received on 5 June 2021 addressed to Public Health England (PHE). In accordance with Section 1(1)(a) of the Freedom of Information Act 2000 (the Act), I can confirm that PHE does hold the information you have specified. I have answered your questions in the order raised:

Please give the number you picked to use as the 'actual number of deaths that would have been expected' and how you arrived at this number?

The number of deaths averted by vaccination, can be estimated by considering vaccine effectiveness against mortality, vaccine coverage and observed deaths and through modelling using a range of parameters. Further details of the methods used in this analysis are available here:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/977249/PHE_COVID-19_vaccine_impact_on_mortality_March.pdf

You claim expected deaths with covid 19 were estimated using real world data on how effective the vaccines are at preventing death and vaccine uptake. Which area of the world did you model your data on given that there are vastly different covid 19 levels and outcomes worldwide?

This data was modelled on England.

Did you factor in the 1200 deaths as adverse reactions to the shots, and the mass amounts of hospitalizations caused by the experimental vaccines so thereby reducing the total of deaths and hospitalizations prevented?

Methods are described in response to your first question.

If you have any queries regarding the information that has been supplied to you, please refer your query to me in writing in the first instance. If you remain dissatisfied and would like to request an internal review, then please contact us at the address above or by emailing foi@phe.gov.uk.

Please note that you have the right to an independent review by the Information Commissioner's Office if a complaint cannot be resolved through the PHE complaints procedure. The Information Commissioner's Office can be contacted by calling the ICO's helpline on 0303 123 1113, visiting the ICO's website at www.ico.org.uk or writing to the ICO at Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF.

Yours sincerely
FOI Team