

Daily evidence digest

7 April 2022

The daily evidence digest collates recently released reports and evidence – provision of these links does not imply endorsement nor recommendation.

Fourth dose of Comirnaty (Pfizer) against Omicron, the course of Long COVID, dynamics and scale of the Omicron epidemic in England

Peer reviewed journals featured:

- Observational studies on:
 - Protection by a fourth dose of Comirnaty (Pfizer) against Omicron in Israel [here](#)
 - The course of post-COVID-19 symptoms in the ComPaRe long COVID cohort [here](#)
 - An olfactory self-test to screen for COVID-19 [here](#)
 - Relationship between anti-SARS-CoV-2 IgG antibodies and vitamin D and inflammatory markers in COVID-19 patients [here](#)
- A modelling study on the impact of screening and vaccination against COVID-19 and school closure [here](#) and associated commentary [here](#)
- Commentary on:
 - Gastrointestinal post-acute COVID-19 syndrome (Long COVID) [here](#)
 - An equitable roadmap for ending the COVID-19 pandemic [here](#)

Letters and correspondence discussed:

- Studying severe long COVID to understand post-infectious disorders beyond COVID-19 [here](#)
- China's zero-COVID policy [here](#)
- Estimated health outcomes and costs of using monoclonal antibodies to prevent or mitigate SARS-CoV-2 infections [here](#)

Pre-peer review articles featured:

- Dynamics and scale of the Omicron epidemic in England [here](#)
- Correlation between clinical variables and serum neutralising antibody titres after mRNA vaccination in US adults [here](#)
- Initial Ct values predicting SARS-CoV-2 duration negativity for test-to-release and return-to-work schedules [here](#)
- The trustworthiness and impact of trial preprints for COVID-19 decision-making [here](#)
- Glasses and risk of COVID-19 transmission [here](#)
- Real-world evidence of the neutralising monoclonal antibody sotrovimab for preventing hospitalisation and mortality in COVID-19 outpatients during the Delta wave [here](#)

Guidance and reports

- The World Health Organization published updates of its COVID-19 epidemiological report [here](#)
- The National COVID-19 Clinical Evidence Taskforce released updated recommendations and clinical flowcharts [here](#)

News and blogs

- Could computer models be the key to better COVID-19 vaccines? [here](#)

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Living Evidence Tables

Living Evidence tables are up-to-date summaries of emerging evidence. Tables are available on SARS-CoV-2 [vaccines](#), and [variants](#) of concern, [post-acute sequelae of COVID-19 \(PASC\)](#), [surgery and COVID-19](#), [rapid testing](#) and [risk mitigation strategies](#).