

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

COVID-19 sequelae and immunity, long COVID, Omicron BA.4 and BA.5, variant specific symptoms

Peer reviewed journals featured:

- A systematic review on social media and attitudes towards a COVID-19 vaccination [here](#)
- A randomised controlled trial of Spikevax (Moderna) vaccine in children aged 6–11 years [here](#)
- Observational studies on:
 - Multisystem involvement in post-acute COVID-19 syndrome [here](#)
 - Baseline findings of a longitudinal study of COVID-19 sequelae and immunity [here](#) and associated editorial [here](#)
 - The physical and mental burden of symptoms in long COVID patients [here](#)
 - Long COVID after breakthrough SARS-CoV-2 infection [here](#)
 - Heterogeneous SARS-CoV-2 humoral response after COVID-19 vaccination and/or infection in the general population [here](#)
 - A global survey on COVID-19 beliefs, behaviours, and norms [here](#)
 - A multisystem, cardio-renal investigation of post-COVID-19 illness [here](#)
 - CoronaVac effectiveness in children 3–5 years during the Omicron outbreak [here](#)
 - Off-season RSV epidemics in Australia after easing of COVID-19 restrictions [here](#)
 - Cerebrospinal fluid and central nervous system inflammation in COVID-19 patients [here](#)
 - Transmission and infectious SARS-CoV-2 shedding kinetics in vaccinated and unvaccinated people [here](#) and associated commentary [here](#)
 - Vaccine effectiveness against COVID-19 breakthrough infections in cancer patients [here](#)
 - Short term, relative effectiveness of four doses vs three doses of Comirnaty (Pfizer) in older adults in Israel [here](#)
 - Evaluation of COVID-19 policies and outcomes in 50 countries and territories [here](#)
- A modelling study on the benefits of COVID-19 vaccination in terms of avoided deaths [here](#)
- Commentary on:
 - How to fix pandemic
 - Pandemic governance and preparedness [here](#), [here](#), and [here](#)
 - How Europe's vaccine donations went tragically wrong [here](#)
 - Cardiometabolic syndrome and long COVID [here](#)

Letters and correspondence discussed:

- Impact of transcranial direct current stimulation on persistent COVID-19 olfactory dysfunction [here](#)
- Serological responses to three doses of COVID-19 vaccination in inflammatory bowel disease [here](#)

Pre-peer review articles featured:

- Further antibody escape by Omicron BA.4 and BA.5 from vaccine and BA.1 serum [here](#)
- Distinct antigenic properties of Omicron lineages BA.4 and BA.5 [here](#)
- Variant-specific symptoms of COVID-19 among 1,542,510 people in England [here](#)
- Understanding post-acute sequelae of SARS-CoV-2 infection through electronic health records [here](#)
- Real-world effectiveness of molnupiravir and nirmatrelvir/ritonavir in COVID-19 inpatients during Hong Kong's Omicron BA.2 wave [here](#)
- Safety of the Comirnaty (Pfizer) vaccine in children under 5 years old in Germany (CoVacU5) [here](#)
- Initial protection against Omicron in children and adolescents by Comirnaty (Pfizer) [here](#)
- Post-acute sequelae of SARS-CoV-2 infection (long COVID) in children and adolescents [here](#)
- Post-COVID-19 medical complaints after Omicron vs Delta variants [here](#)

Guidance and reports

- The US Centers for Disease Control and Prevention published a study on post-COVID conditions among adult COVID-19 survivors aged 18–64 and ≥65 years [here](#)
- The UK Health Security Agency published an update on SARS-CoV-2 variants of concern and variants under investigation [here](#)

News and blogs

- The UK Joint Committee on Vaccination and Immunisation advises further booster for vulnerable adults and health and care workers [here](#)
- The British Medical Association's review into the UK management of the pandemic [here](#)
- Centers for Disease Control and Prevention expands eligibility for COVID-19 booster shots to everyone aged 5+years [here](#)
- Vaccine effectiveness wanes more rapidly for cancer patients [here](#)
- Long COVID risk falls only slightly after vaccination [here](#)
- Cardiac complications are more common after COVID-19 than vaccination [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](#).