

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

### Cardiovascular outcomes in unvaccinated COVID-19 survivors, mental healthcare after COVID-19, WHO statement on Omicron BQ.1 and XBB

#### Peer reviewed journals featured:

- Randomised clinical trials of:
  - Strategies to increase the immunogenicity of COVID-19 vaccines in kidney transplant recipients [here](#) and associated commentary [here](#)
  - Finerenone use and pneumonia and COVID-19 adverse events in patients with type 2 diabetes and chronic kidney disease [here](#)
  - An instrument to measure COVID-19 patient-reported symptoms in outpatients [here](#)
- Observational studies on:
  - Long-term cardiovascular outcomes of non-vaccinated COVID-19 survivors [here](#) and associated correspondence [here](#) and [here](#)
  - Psychological distress, depression, anxiety, and life satisfaction after COVID-19 [here](#)
  - Prevalence and correlates of long COVID symptoms among US adults [here](#)
  - Evaluation of aerosol generation during in-office flexible laryngoscopy [here](#)
  - Extreme obesity as a predictor for in-hospital mortality and long COVID [here](#)
  - Extended coagulation profile of children with long COVID [here](#)
  - COVID-19 vaccine protection among children and adolescents in Qatar [here](#)
  - Comparative risk of thrombosis with thrombocytopenia syndrome or thromboembolic events associated with different COVID-19 vaccines [here](#)
  - Chronic medications and risk of death in hospitalised COVID-19 patients [here](#)
  - Spikevax (Moderna) vaccine in children 6 months to 5 years of age [here](#)
  - Global infection burden of influenza after relaxation of public health and social measures [here](#) and associated commentary [here](#)
- Commentary on:
  - SARS-CoV-2 variants offer a second chance to fix global vaccine inequities [here](#)
  - Revitalising mental healthcare in the UK after COVID-19 [here](#)
  - Whether COVID-19 has become milder [here](#)
  - Long COVID health outcomes and implications for policy and research [here](#)

## Letters and correspondence discussed:

- Immune imprinting and protection against repeat reinfection with SARS-CoV-2 [here](#)
- Reinfections with different Omicron subvariants in France [here](#)
- Recurrence of symptoms following a 2-day symptom free period in COVID-19 patients [here](#)
- Comirnaty (Pfizer) vaccine effectiveness against Omicron BA.4 and BA.5 [here](#)

## Pre-peer review articles featured:

- COVID-19 and public health restrictions disproportionately affected Sydney's vulnerable people [here](#)
- Treatment of persistent COVID-19 smell dysfunction [here](#)
- mRNA vaccination and hospitalisation caused by Omicron in Swedish adolescents [here](#)
- Rare type I IFN immunity genes are associated with life-threatening COVID-19 [here](#)
- Viral load and infectivity of Omicron BA.5 and BA.2 [here](#)
- Protection against reinfection with Omicron BA.2.75\* [here](#)
- Long-term humoral response following simultaneous Delta and Omicron BA.1 co-infection [here](#)
- Neutralisation of Omicron BA.2.75.2, BQ.1.1, and XBB.1 by 4 doses of parental mRNA vaccine or a BA.5-bivalent booster [here](#)
- Neutralisation escape by the Omicron variant BQ.1.1 [here](#)
- Effectiveness of mRNA COVID-19 vaccine booster doses against Omicron severe outcomes [here](#)
- Post COVID-19 condition across the Beta, Delta, and Omicron waves in South Africa [here](#)
- mRNA bivalent booster neutralisation against BA.2.75.2 and BQ.1.1 [here](#)
- Tocilizumab treatment and myeloid dysfunction and lymphopenia in COVID-19 inpatients [here](#)

## Guidance and reports

- The World Health Organization published:
  - The Technical Advisory Group on SARS-CoV-2 Virus Evolution (TAG-VE) statement on Omicron sublineages BQ.1 and XBB [here](#)
  - Its weekly epidemiological report on COVID-19 [here](#)
- The UK Health Security Agency published an update on SARS-CoV-2 variants of concern and [here](#)
- The National Clinical Evidence Taskforce released updated recommendations and clinical flowcharts [here](#) with an MJA summary on pregnancy and perinatal guidelines [here](#)

## News and blogs

- COVID-19 variants to watch [here](#)
- Could a nose spray a day keep COVID-19 away? [here](#)
- COVID 'variant soup' is making winter surges hard to predict [here](#)
- COVID-19 vaccine hoarding might have cost more than a million lives [here](#)
- Nearly 20% of patients receive psychiatric diagnosis within three months of COVID-19 [here](#)

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