

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

### Asymptomatic SARS-CoV-2 infections, sarilumab, COVID-19 in 2022, boosters and Omicron

#### Peer reviewed journals featured:

- A systematic review on asymptomatic SARS-CoV-2 infections [here](#)
- Randomised controlled trials of:
  - Effect of deep breathing exercise with triflo on dyspnoea, anxiety and quality of life in patients receiving COVID-19 treatment [here](#)
  - Early use of sarilumab in hospitalised patients with COVID-19 pneumonia [here](#)
- Observational studies on:
  - COVID-19 vaccine antibody response and breakthrough infection in patients receiving dialysis [here](#)
  - Risks of myocarditis, pericarditis, and cardiac arrhythmias associated with COVID-19 vaccination or SARS-CoV-2 infection [here](#)
- Modelling studies on:
  - The effect of mandatory COVID-19 certificates on vaccine uptake in six countries [here](#)
  - The effect of COVID-19 vaccination in Italy [here](#)
- Commentary on:
  - Controlling COVID-19 in 2022 [here](#)
  - COVID-19 timeline of events [here](#)

#### Letters and correspondence discussed:

- Ventilation techniques and risk for transmission of COVID-19 [here](#)

#### Pre-peer review articles featured:

- Neutralisation of the Omicron variant after vaccine boosting [here](#), [here](#), [here](#) and [here](#)
- Omicron variant binding to human ACE2 protein [here](#)

## Guidance and reports

- The World Health Organization published updates on:
  - The SARS-CoV-2 variant of concern Omicron [here](#),
  - The COVID-19 vaccine tracker [here](#)
  - Weekly operational report [here](#)

## News and blogs

- COVID-19 clinical challenges [here](#)
- UK GPs are told to postpone routine care to focus on vaccine boosters in response to Omicron [here](#)
- Omicron and the need for boosters [here](#)
- The impact of COVID-19 on cancer diagnoses in the US [here](#)

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### Living Evidence Tables

Living Evidence tables are up-to-date summaries of emerging evidence. Tables are available on [COVID-19 transmission](#), 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](#).

The final digest for 2021 will be released on 17 December and the service will resume on 17 January 2022. Upon resumption of services, key publications released during the break will be collated and a summary distributed.