

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

Waning of viral load reduction post COVID-19 booster, Omicron BA.1 and BA.2 subvariants, co-infection with multiple variants

Peer reviewed journals featured:

- A systematic review on sofosbuvir-based treatment for COVID-19 patients [here](#)
- Observational studies on:
 - The waning of viral-load reduction following COVID-19 booster [here](#)
 - The indirect effect of mRNA-based COVID-19 vaccination on healthcare workers' unvaccinated household members [here](#)
 - The effects of vitamin C in critically ill COVID-19 patients [here](#)
- An editorial on the scaling back of routine COVID-19 surveillance in the UK [here](#)

Pre-peer review articles featured:

- Generation times and reproduction numbers of Omicron BA.1 and BA.2 compared with Delta [here](#)
- Effects of BA.1 and BA.2 subvariants, vaccination, and prior infection on infectiousness of Omicron infections [here](#)
- Novel RT-qPCR assays for rapid detection and differentiation of Omicron BA.1 and BA.2 [here](#)
- Omicron infection in people with high titre neutralising antibodies post-3rd mRNA vaccine dose [here](#)
- The role of home rapid antigen testing to determine isolation period after SARS-CoV-2 infection [here](#)
- The association between COVID-19 vaccination rates and participation in a vaccine lottery [here](#)
- Machine learning methods to predict missed healthcare visits during COVID-19 [here](#)
- Vaccine breakthrough infection with Delta or Omicron (BA.1) variant and profiles of neutralising antibody responses [here](#)
- Co-infection during co-circulation of Delta and Omicron variants of concern in France [here](#)

Guidance and reports

- The World Health Organization published an update on addressing the challenges of SARS-CoV-2 variants for public health [here](#)
- The National COVID-19 Clinical Evidence Taskforce released updated recommendations and clinical flowcharts [here](#)

News and blogs

- Massive trial shows COVID-19 rapid tests excel at detecting silent cases [here](#)
- ‘COVID zero’ regions struggle with vaccine complacency [here](#)
- How Omicron overtook Delta in three charts [here](#)
- A podcast on why stopping COVID-19 testing would be a mistake [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](#).