

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

Long COVID-19 in children, outbreak preparedness in Australian aged care facilities, protection of vaccination and infection against Omicron and Delta

Peer reviewed journals featured:

- A systematic review of randomised controlled trials of tocilizumab for COVID-19 [here](#)
- Observational studies on:
 - Characteristics, outcomes, and risk factors associated with SARS-CoV-2 infection in children in the US [here](#)
 - The effectiveness of alternative semester break schedules in reducing COVID-19 incidence on college campuses in the US [here](#)
 - Development of SARS-CoV2 humoral response, and prevention of fatal infection [here](#)
 - Genomic epidemiology of SARS-CoV-2 in a UK university [here](#) and under an elimination strategy in Hong Kong [here](#)
- A modelling study on allocation strategies of vaccines and antivirals in East Asia and Pacific [here](#)
- An editorial on long COVID-19 in children [here](#)
- Commentary on:
 - Tracking COVID-19 infections [here](#)
 - How the infodemic intoxicates public health surveillance [here](#)

Letters and correspondence discussed:

- The risks and impact of angiotensin-converting enzyme inhibitors or angiotensin-receptor blockers on SARS-CoV-2 infection in adults [here](#)

Pre-peer review articles featured:

- COVID-19 outbreak preparedness and responses of Australian residential aged care facilities [here](#)
- Protection of COVID-19 vaccination and previous infection against Omicron BA.1 and Delta [here](#)
- Clinical severity and vaccine effectiveness for Omicron, Delta, and Alpha variants in the US [here](#)
- COVID-19 outbreaks in Australia during a period of high epidemic control, 2020 [here](#)
- Limitations of molecular and antigen test performance for SARS-CoV-2 in COVID-19 contacts [here](#)
- Neutralisation of the Omicron BA.1 and BA.2 variants [here](#)
- Increased household transmission and immune escape of Omicron compared to Delta variant [here](#)
- Detection of Omicron variant infection of white-tailed deer [here](#)

Guidance and reports

- The World Health Organization released updates of its COVID-19 vaccine tracker [here](#), COVID-19 epidemiological report [here](#), and operational report [here](#)

News and blogs

- An “holistic” approach to long COVID-19 [here](#)
- Fourth COVID-19 vaccine dose increases low antibodies [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](#).