

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

Active immunotherapy in cancer patients with COVID-19, socio-economic factors and incidence, two doses of Comirnaty (Pfizer) in 5-15 year olds

Peer reviewed journals featured:

- A systematic review on the association of active immunotherapy with outcomes in cancer patients with COVID-19 [here](#)
- Randomised trials of:
 - Methylprednisolone pulses for COVID-19 inpatients without respiratory failure [here](#)
 - Regdanvimab (CT-P59) in outpatients with mild-to-moderate COVID-19 [here](#)
 - Johnson & Johnson (Janssen) vaccine in healthcare workers in South Africa [here](#)
- A narrative review on SARS-CoV-2 infection and COVID-19 vaccination in pregnancy [here](#)
- Observational studies on:
 - Area socio-economic factors and local SARS-CoV-2 infection incidence in Victoria [here](#)
 - Fragility of statistically significant results in randomised clinical trials for COVID-19 [here](#)
 - Neutralisation sensitivity of the Omicron variant [here](#)
- A modelling study on age-varying susceptibility to the Delta variant [here](#)
- Commentary on COVID-19 vaccination and access to the US organ transplant waiting list [here](#)

Letters and correspondence discussed:

- Alcohol-related deaths during COVID-19 in the US [here](#)
- Effectiveness of single vs repeated rapid antigen tests in asymptomatic persons in a workplace [here](#)

Pre-peer review articles featured:

- Hospital length of stay in a mixed Omicron and Delta epidemic in NSW [here](#)
- The validity of reported post-acute health outcomes in children with SARS-CoV-2 infection [here](#)
- Negative antigen rapid diagnostic in RT-qPCR positive samples and the likelihood of infectious viruses in the nasopharynx [here](#)
- Monoclonal antibody and antiviral therapy for mild-to-moderate COVID-19 paediatric patients [here](#)
- Protection of prior natural infection compared to mRNA vaccination against COVID-19 in Qatar [here](#)
- Patient-reported respiratory outcome measures in hospitalised COVID-19 adults [here](#)
- The relative performance of oropharyngeal swabs, nasopharyngeal swabs, and saliva for RT-PCR based detection of Delta and Omicron variants [here](#)

Guidance and reports

- The US Centers for Disease Control and Prevention published articles on:
 - Effectiveness of mRNA vaccination in preventing COVID-19–associated invasive mechanical ventilation and death in the US [here](#)
 - Effectiveness of two doses of Comirnaty (Pfizer) vaccine in preventing infection in children and adolescents aged 5–15 years [here](#)
- The Canadian National Collaborating Centre for Methods and Tools updated its review on best practices for risk communication and strategies to mitigate risk behaviours [here](#)

News and blogs

- Vaccines protect against infection from Omicron BA.2 — but not for long [here](#)
- Is the UK heading for another Omicron wave? [here](#)
- Updated PPE guidance puts NHS staff at risk of infection [here](#)
- A podcast on how vaccine complacency is plaguing 'COVID zero' strategies [here](#)

[Click here](#) to subscribe to the daily evidence digest.

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](#).