

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

Convalescent plasma therapy, vitamin D₃ treatment, neutralising activity of Moderna and Pfizer vaccines against variants of concern

Peer reviewed journals featured:

- Randomised controlled trials of:
 - Convalescent plasma for COVID-19 [here](#) and [here](#), and an associated editorial [here](#)
 - Vitamin D₃ for COVID-19 [here](#) and an associated editorial [here](#)
- A case vignette on the delayed second dose vs standard regimen for COVID-19 vaccination [here](#)
- A nationwide online survey (conducted 3 April to 2 May 2020) on mental health responses to COVID-19 restrictions in Australia [here](#)
- A narrative review on resilience [here](#)
- Observational studies on:
 - Innate immune cell profiles in children and adults with SARS-CoV-2 infection [here](#)
 - Patient factors and temporal trends in hospital mortality in England [here](#)
- Commentary on:
 - Boosting COVID-19 vaccines from existing unrelated vaccines [here](#)
 - Concerns about SARS-CoV-2 variants in the US [here](#)
 - The public health response to COVID-19 in a NSW residential aged care facility [here](#)
 - Vaccinating children against COVID-19 from the lessons of measles [here](#)
 - The lack of PPE in England [here](#)
 - Trends in COVID-19 related in-hospital mortality [here](#)
 - Future scenarios for the COVID-19 pandemic [here](#)

Letters and correspondence discussed:

- Preliminary reports on neutralising activity versus SARS-CoV-2 variants of concern elicited by mRNA-1273 (Moderna) vaccine [here](#); and BNT162b2 (Pfizer) vaccine [here](#)
- Response to a previous letter on the safety and efficacy of BNT162b2 (Pfizer) vaccine [here](#)
- The accuracy of the Sequential Organ Failure Assessment (SOFA) score for mortality predictions in patients requiring mechanical ventilation [here](#)
- Safety of first dose vaccination in solid organ transplant recipients [here](#)
- Open schools, and child and teacher morbidity during COVID-19 in Sweden [here](#)

Guidance and reports

- The World Health Organization published:
 - A guide to expedite genomic sequencing surveillance of SARS-CoV-2 [here](#)
 - A job aid for COVID-19 vaccine administration of Comirnaty® Pfizer/BioNTech BNT162b2 vaccine [here](#) and fact sheet for health workers [here](#)

News and blogs

- Audio interview on viral variants and COVID-19 [here](#)
- Video on emergency intubation in COVID-19 [here](#)

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Emerging evidence on vaccines and variants of concern is incorporated daily into Living Evidence Tables [available here](#)