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](#)