Daily evidence digest

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

Crucial junctures in the pandemic, the impact of government interventions on COVID-19 transmission, waning immunity

Peer reviewed journals featured:

- A systematic review on outcomes for hypertensive COVID-19 patients receiving calcium channel blockers here
- Narrative reviews on:
  - COVID-19 vaccine development here
  - Crucial junctures in the early months of the pandemic here
- Observational studies on:
  - Impact of governmental interventions on the COVID-19 outbreak here
  - The effect of non-pharmaceutical interventions on COVID-19 transmission here
  - Immunogenicity to a second dose of Comirnaty (Pfizer) vaccine in people receiving methotrexate or targeted immunosuppression here and associated commentary here
  - Particle filtration tests for respirators and face masks here
  - Mental health conditions of students during key periods of COVID-19 in France here
- An survey study regarding clinical ethics support services during COVID-19 in the UK here
- Commentary on COVID-19 vaccine boosters for adults in the US here

Pre-peer review articles featured:

- Waning of SARS-CoV-2 antibodies targeting the spike protein after Vaxzevria (AstraZeneca) and Comirnaty (Pfizer) vaccines and risk of breakthrough infections here
- Surveillance of COVID-19 in a vaccinated population here

Guidance and reports

- The World Health Organization released its weekly COVID-19 epidemiological report here
- The Therapeutic Goods Administration (TGA) granted provisional determination to AstraZeneca for tixagevimab and cilgavimab (EVUSHELD) here

News and blogs

- “Polymutant” spike (PMS20) points way toward more durable COVID-19 vaccine here