

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

The effect of COVID-19 on the brain, mask use, the Critical Health Resources Information System (CHRIS) in Australia's intensive care units

Peer reviewed journals featured:

- A systematic review on the impact of COVID-19 on pregnancy outcomes [here](#)
- A narrative review on the effect of COVID-19 on the brain [here](#)
- A randomised controlled trial of a single dose of Pfizer vaccine on nasopharyngeal viral load in nursing home residents [here](#)
- Surveys on:
 - GP characteristics and telehealth use in Australia [here](#)
 - Mask use and mitigation measures in five cities in Australia, the UK, and the USA [here](#)
- Observational studies on:
 - COVID-19 outcomes in inflammatory rheumatic musculoskeletal disease patients treated with rituximab [here](#) and associated commentary [here](#)
 - Immunogenicity of the BNT162b2 (Pfizer) vaccine in nursing home residents [here](#)
 - The use of telehealth by surgical specialties in Michigan during COVID-19 [here](#)
 - Accuracy of antigen and antibody rapid diagnostic tests for COVID-19 patients in Cameroon [here](#) and associated commentary [here](#)
 - Commercial assays for SARS-CoV-2 antibodies in an Australian population [here](#)
 - The Canadian COVID-19 emergency department rapid response network registry [here](#)
 - Antibody responses in 70-80-year-olds, 3 weeks after doses of Pfizer vaccine [here](#)
- Editorials on:
 - A machine learning model for prioritising COVID-19 vaccination [here](#)
 - Mask-wearing following vaccination [here](#)
- Commentary on:
 - Adult-onset Still's disease after COVID-19 [here](#)
 - Operation Warp Speed in the US and implications for global vaccine security [here](#)
 - COVID-19 vaccines for the European region [here](#)
 - The effect of seasonal respiratory virus transmission on syndromic surveillance for COVID-19 in Ontario, Canada [here](#)
 - SARS-CoV-2 vaccines in kidney transplant recipients [here](#)
 - A pathway for acute chest imaging in suspected or confirmed COVID-19 [here](#)
 - The Critical Health Resources Information System (CHRIS) for monitoring intensive care unit demand and capacity in Australia [here](#)

Letters and correspondence discussed:

- National differences in vaccine hesitancy [here](#)
- A perspective from France of health democracy in COVID-19 [here](#)
- Inactivated BBV152/COVAXIN (Bharat) vaccine neutralisation of B.1.1.7 (Kent / UK) variant [here](#)
- SARS-CoV-2 infection, despite vaccination [here](#)
- COVID-19, cults, and the anti-vax movement [here](#)

Pre-peer review articles featured:

- A rapid systematic review of case reports and case series on COVID-19 reinfection [here](#)
- The incidence of adverse events of special interest (AESI) in eight countries [here](#)
- Antibody response after Pfizer vaccination in haemodialysis patients [here](#)
- Changes in attitudes about COVID-19 vaccination in 15 countries, including Australia [here](#)
- A sudden rise in COVID-19 case fatality in young and middle-aged adults in Brazil [here](#)
- First dose of AstraZeneca and Pfizer vaccine effectiveness against infection in residents of long-term care facilities [here](#)
- Challenges in defining post-acute COVID-19 syndrome [here](#)

Guidance and reports

- The European Respiratory Society released guidance on the management of hospitalised adults with COVID-19 [here](#)
- The World Health Organization published its weekly COVID-19 epidemiological report [here](#)
- The Cochrane Library updated reviews on antigen and molecular-based tests [here](#); chest x-ray for diagnosis [here](#); COVID-19 infection control and prevention [here](#); international travel control measures [here](#); hydroxychloroquine and chloroquine treatment [here](#); interleukin-6 blockers [here](#)

News and blogs

- Vaccine hesitancy fell after the vaccination program started [here](#)
- Developing the AstraZeneca vaccine was a triumph, but then things went wrong [here](#)
- A podcast on the AstraZeneca COVID-19 vaccine [here](#)
- Europe tightens export criteria in a bid to secure more doses [here](#)

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The final digest before the Easter break will be released on Thursday 1 April and the service will resume on Monday 12 April. Upon resumption of services, key publications released during the break will be collated, and a summary distributed.