

Daily evidence digest

20 January 2022

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

Melatonin, P2Y12 inhibitors in non-critical patients, COVID and pregnancy outcomes, mental health service for Australian healthcare workers

Peer reviewed journals featured:

- Systematic reviews on:
 - Melatonin for treating COVID-19 patients [here](#)
 - School closures, and mental health and well-being in children and adolescents during the first COVID-19 wave [here](#)
 - Frequency of adverse events in placebo arms of COVID-19 vaccine trials [here](#)
- A randomised clinical trial on P2Y12 inhibitors in non-critically ill hospitalised COVID-19 patients [here](#) and associated editorial [here](#)
- Observational studies on:
 - Maternal-foetal immune responses in SARS-CoV-2 infected pregnant women [here](#)
 - The impact of COVID-19 on pregnancy outcomes in England [here](#)
 - Trends in US ambulatory care patterns during COVID-19, 2019-2021 [here](#)
 - A case series of thrombosis with thrombocytopenia syndrome after COVID-19 vaccination in the US [here](#) and associated editorial [here](#)
 - Severe versus common COVID-19 in an early warning nomogram model [here](#)
 - A digital-first mental health solution for Australian healthcare workers (TEN) [here](#)

Letters and correspondence discussed:

- T cell epitopes in SARS-CoV-2 proteins are substantially conserved in the Omicron variant [here](#)

Pre-peer review articles featured:

- Multisystemic inflammatory syndrome following mRNA vaccine in children [here](#)
- Cross-variant immunity after infection with the Omicron variant without vaccination [here](#)
- Vaccination of COVID-19 convalescents and neutralisation of Delta and Omicron variants [here](#)

Guidance and reports

- The World Health Organization published:
 - The latest edition of the Eurohealth, featuring articles on health system resilience post-COVID [here](#)
 - Updates of its COVID-19 epidemiological report [here](#), operational report [here](#), COVID-19 vaccine tracker [here](#), technical document on the SARS-CoV-2 variant of concern Omicron [here](#), and the landscape of observational studies on the effectiveness of COVID-19 vaccination [here](#)

News and blogs

- The effects of mandatory vaccination on healthcare staffing in the UK [here](#)
- Brazil sees Omicron cases soar but data blackout obscures true impact [here](#)
- The pandemic's true death toll [here](#)
- Vaccine passports help boost lagging vaccination rates [here](#)
- Former Biden-Harris transition advisors propose a new US national strategy for COVID-19 [here](#)

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Living Evidence Tables

Living Evidence tables are up-to-date summaries of emerging evidence. Tables are available on [COVID-19 transmission](#), 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](#).