

Daily evidence digest

24 August 2021

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

Hyperbaric oxygen therapy, real-world effectiveness of COVID-19 vaccines, TGA approval for sotrovimab

Peer reviewed journals featured:

- A systematic review on hyperbaric oxygen therapy (HBOT) in treating COVID-19 [here](#)
- Observational studies on:
 - Effectiveness of Pfizer and Moderna vaccines against symptomatic SARS-CoV-2 infection and severe COVID-19 outcomes in Ontario [here](#) and associated editorial [here](#)
 - Effectiveness of Sinovac vaccine in older adults during a gamma variant associated epidemic of COVID-19 in Brazil [here](#)
 - The paediatric critical care response to COVID-19 in England and Wales [here](#)
- An editorial on clinics for post-acute COVID-19 syndrome [here](#)
- Commentary on COVID-19 in the Philippines [here](#)

Letters and correspondence discussed:

- Correspondence about a Lancet paper on evidence for physical distancing, face masks, and eye protection [here](#), [here](#), [here](#), [here](#), [here](#), [here](#), and authors' reply [here](#)
- Evidence on the efficacy of ivermectin for COVID-19 [here](#)

Pre-peer review articles featured:

- A large-scale study of antibody titre decay following Pfizer vaccine or SARS-CoV-2 infection [here](#)
- SARS-CoV-2 aerosol transmission in schools [here](#)
- The level and persistence of neutralising antibodies produced by two inactivated COVID-19 vaccines in China [here](#)
- A modelling study of a vaccine-led approach to end the NSW outbreak [here](#)
- Self-testing and vaccination against COVID-19 to minimise school closure [here](#)
- Virological characteristics of vaccine breakthrough infections in healthcare workers [here](#)
- COVID-19 incidence and hospitalisation rates associated with vaccination coverage in the US [here](#)
- Changes in the serial interval and transmission dynamics associated with the Delta variant [here](#)
- Viral loads associated with Delta and Alpha variants in vaccinated and unvaccinated individuals [here](#)

Guidance and reports

- Public Health England published an update on SARS-CoV-2 variants of concern and variants under investigation [here](#)
- The Therapeutic Goods Administration (TGA):
 - issued provisional approval to sotrovimab (XEVUDY) for COVID-19 treatment [here](#)
 - released an update to its Q&As on rapid antigen tests [here](#)

News and blogs

- Hospital bed occupancy rates in England reach dangerously high levels [here](#)
- COVID-19 booster vaccines [here](#)
- The UK approves Ronapreve -a monoclonal antibody treatment [here](#)
- Respiratory syncytial virus - the year the respiratory infection “took its gloves off” [here](#)
- The global health security agenda rewards rich nations for their selfish behaviour [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 \(PASC\)](#), and [surgery and COVID-19](#).