

Daily evidence digest

20 August 2021

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

School closures and COVID-19 transmission, convalescent plasma for high-risk outpatients, advance care planning during COVID-19

Peer reviewed journals featured:

- A systematic review of observational studies on school closures and community transmission [here](#)
- A randomised controlled trial of early convalescent plasma for high-risk COVID-19 outpatients [here](#)
- Observational studies on:
 - Association of age and paediatric household transmission of SARS-CoV-2 [here](#) and associated editorial [here](#)
 - Associations of Pfizer vaccination with SARS-CoV-2 infection and COVID-19 hospital admission and death in nursing homes and healthcare workers [here](#)
 - Longitudinal analysis of antibody decay in convalescent COVID-19 patients [here](#)
 - Clinical validation of an open-access SARS-COV-2 antigen detection lateral flow assay, compared to commercially available assays [here](#)
 - The size and culturability of patient-generated SARS-CoV-2 aerosol [here](#)
- Editorials on:
 - The impact of COVID-19 on nursing [here](#)
 - COVID-19 counterfactual comparisons [here](#)
- Commentary on:
 - Confronting the Delta variant in the US [here](#)
 - System-wide advance care planning during COVID-19 [here](#)
 - Nightingale units and fever hospitals as responses to COVID-19 in the UK [here](#)

Letters and correspondences discussed:

- Breakthrough infections in Pfizer-vaccinated healthcare workers [here](#)
- Myocarditis after mRNA vaccination [here](#)

Pre-peer review articles featured:

- Non-pharmaceutical interventions, vaccination, and the Delta variant in England's roadmap out of lockdown [here](#)
- Humoral immunity six months after Pfizer vaccination [here](#)
- A third COVID-19 vaccine shot and neutralising antibody potency and breadth [here](#)
- Cardiac inflammation after mRNA vaccines [here](#)
- The Australian health system response to COVID-19 after 80% vaccination coverage is achieved [here](#)

Guidance and reports

- The World Health Organization published updates of its:
 - Weekly epidemiological report on COVID-19 [here](#)
 - COVID-19 vaccine tracker [here](#)

News and blogs

- Australian outbreak surges as New Zealand sees first domestic cases in six months [here](#)
- Learning to live with COVID-19 in the UK [here](#)
- The NHS's recovery from the elective care backlog [here](#)
- Decades-old SARS virus infection triggers a potent response to COVID vaccines [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](#).