

Daily evidence digest

15 March 2022

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

Excess mortality due to COVID-19, pulmonary rehabilitation for post-COVID-19, long COVID in children and adolescents

Peer reviewed journals featured:

- Systematic reviews on:
 - Estimating excess mortality due to COVID-19 [here](#)
 - The effect of pulmonary rehabilitation for post-COVID-19 [here](#) and [here](#)
- A randomised controlled trial of CD24Fc therapy in hospitalised COVID-19 patients [here](#) and associated commentary [here](#)
- A narrative review on COVID-19 vaccines in cancer patients [here](#)
- Observational studies on:
 - Inflammatory burden and persistent CT lung abnormalities in COVID-19 patients [here](#)
 - Deprivation and exposure to public activities during COVID-19 in England & Wales [here](#)
 - Impact of COVID-19 lockdowns on hospital presentations and admissions in the context of low community transmission in Melbourne [here](#)
- A case report of transmission of Delta variant from hamsters to humans [here](#) and associated commentary [here](#)

Letters and correspondence discussed:

- Optimising genome surveillance and tracing of SARS-CoV-2 variants [here](#)

Pre-peer review articles featured:

- Post-acute COVID-19 syndrome (long COVID) in children and adolescents [here](#)
- Evidence for Delta and Omicron co-infections and recombination [here](#)
- The REal-time assessment of community transmission-1 (REACT-1) in England [here](#)
- Omicron BA.1 and BA.2 seroneutralisation with anti-SARS-CoV-2 monoclonal antibodies [here](#)
- Comparison of influenza and COVID-19–related hospitalisations in children under 18 in the US [here](#)
- Vaccine-induced antibody level and the clinical course of breakthrough infection of COVID-19 caused by Delta and Omicron variants [here](#)
- The changing impact of vaccines in COVID-19 [here](#)
- Milder disease trajectory in COVID-19 patients hospitalised with Omicron compared with Delta in Norway [here](#)
- A modelling study on Omicron disease burden in Australia following border reopening [here](#)
- The impact of COVID-19 vaccination in children ages 5-11 years on COVID-19 burden and resilience to new variants in the US [here](#)

Guidance and reports

- The World Health Organization published a report on the safety monitoring of molnupiravir for treating mild to moderate COVID-19 infection in low and middle-income countries [here](#)
- The UK Health Security Agency published an update on SARS-CoV-2 variants of concern and variants under investigation [here](#)

News and blogs

- Africa prepares for endemic COVID-19 [here](#)
- Hospital admissions rise as cases increase in over 55s in England [here](#)
- Global death toll may be three times higher than official records [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](#).