

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

SARS-CoV-2 reinfections in children, hydration of the nose, larynx, and trachea to reduce COVID-19 symptoms, a global epidemiological database

Peer reviewed journals featured:

- Observational studies on:
 - Risk of SARS-CoV-2 reinfections in children in England [here](#) and associated commentary [here](#)
 - Cytokine and chemokine profiles in Multisystem Inflammatory Syndrome in children (MIS-C) and in severe paediatric COVID-19 [here](#)
 - Effect of hydration of the nose, larynx, and trachea on COVID-19 symptoms [here](#)
 - Acute pancreatitis or severe increase in pancreatic enzyme levels after remdesivir administration in COVID-19 patients [here](#)
 - Pre-existing hypertension and its treatment in hospitalised COVID-19 patients [here](#)
- A modelling study on SARS-CoV-2 substitution processes to predict the next variant [here](#)
- An editorial on COVID-19 vaccine patent waivers [here](#)
- Commentary on:
 - A global epidemiological database for COVID-19 with fine-grained spatial resolution [here](#)
 - The Coronavirus Host Genetics South Africa (COHG-SA) database [here](#)
 - The world's refugees remain last in line for COVID-19 vaccines [here](#)
 - Scrapping free COVID-19 tests for NHS staff in England [here](#)
 - Whether antivirals are a COVID-19 game changer [here](#)
 - Access to medicines is an old problem that needs new solutions [here](#)

Letters and correspondence discussed:

- Serum neutralisation of the Omicron sublineage BA.2 [here](#)
- Masks for preventing respiratory virus infections including SARS-CoV-2, in healthcare and community settings [here](#)
- Implementation of a SARS-CoV-2 genotyping panel for prompt Omicron variant identification [here](#)
- Reflections on changes to palliative medicine training in light of COVID-19 [here](#)
- Trends in suicide following the COVID-19 pandemic in Japan [here](#)

Pre-peer review articles featured:

- Neutralisation of Omicron BA.1, BA.2, and BA.3 by 3 doses of Comirnaty (Pfizer) [here](#)

News and blogs

- The US tracker overestimated deaths among children [here](#)
- Genome data gaps could stymie search for next COVID-19 variant [here](#)
- A head-to-head comparison of COVID-19 vaccines reveals how they stack up [here](#)
- Oxygen shortages in low and middle income countries two years into pandemic [here](#)

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Living Evidence Tables

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