

Daily evidence digest

1 December 2021

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

Immunomodulation and thromboembolic risk, BMJ series on COVID-19 preparedness, response and future implications, COVID trends in children

Peer reviewed journals featured:

- Systematic reviews on:
 - Immunomodulation and thromboembolic risk in hospitalised COVID-19 patients [here](#)
 - COVID-19 vaccines effectiveness against variants [here](#)
 - Artificial intelligence for imaging-based COVID-19 detection [here](#)
 - Arbidol versus lopinavir/ritonavir in treating COVID-19 [here](#)
- A randomised clinical trial of high-titre convalescent plasma in COVID-19 pneumonia [here](#)
- A BMJ series on COVID-19 preparedness, response, and future implications:
 - Aggressive containment, suppression, and mitigation of COVID-19 [here](#)
 - The drivers, complexities, and uncertainties in the first year of the pandemic [here](#)
 - Strengthening national pandemic preparedness and response systems [here](#)
 - Vaccines, therapeutics, and diagnostics for COVID-19 [here](#)
 - Assessing the role of qualitative factors in pandemic responses [here](#)
- Commentary on research priorities for mental health in schools in the wake of COVID-19 [here](#)

Letters and correspondence discussed:

- Reactions to the identification of the Omicron variant [here](#)
- Immunogenicity of mRNA vaccine in adolescents with juvenile idiopathic arthritis on treatment with TNF inhibitors [here](#)

Pre-peer review articles featured:

- COVID-19 trends and severity in symptomatic children aged 0 to 17 years in 10 EU countries [here](#)
- Partial lockdown on unvaccinated individuals in Bavaria [here](#)

Guidance and reports

- The World Health Organization published:
 - A technical brief on enhancing readiness for Omicron (B.1.1.529) [here](#)
 - A policy brief on COVID-19 vaccine trial designs in the context of authorised COVID-19 vaccines and expanding global access [here](#)

News and blogs

- Heavily mutated Omicron variant puts scientists on alert [here](#)
- Omicron may be more transmissible and partly resistant to existing vaccines [here](#)
- A podcast on everything we know about the new COVID-19 variant [here](#)
- The WHO joint statement on dose donations of COVID-19 vaccines to African countries [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](#).