COVID-19 Critical Intelligence Unit

Daily evidence digest

29 October 2021

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

Sotrovimab, naproxen, waning immunity after vaccination with Comirnaty (Pfizer), the effect of vaccination on transmission

Peer reviewed journals featured:

- · Randomised controlled trials of:
 - o Early treatment for COVID-19 with SARS-CoV-2 neutralising antibody sotrovimab here
 - Naproxen in the management of hospitalised COVID-19 patients <u>here</u>
- Observational studies on:
 - Waning immunity after Comirnaty (Pfizer) vaccine in Israel <u>here</u>
 - o Causal effect of school closures on COVID-19 spread in Japan in spring 2020 here
 - Predictive usefulness of RT-PCR testing in different COVID-19 symptomatology <u>here</u>
 - o School opening and SARS-CoV-2 community incidence and mortality in the US here
- Commentary on:
 - o A third dose of mRNA vaccine in patients with rheumatoid arthritis here
 - o Australia's COVID-19 experience here

Letters and correspondence discussed:

- The effect of vaccination on SARS-CoV-2 transmission here
- Virtual and in-person healthcare utilisation in a New England health system during COVID-19 here
- Adverse effects after Comirnaty (Pfizer) vaccine and SARS-CoV-2 infection, by age and gender here
- Rare skin reactions after mRNA vaccination <u>here</u>

Pre-peer review articles featured:

- Six-month sequelae of post-vaccination SARS-CoV-2 (breakthrough) infection here
- The severity of illness caused by SARS-CoV-2 in children here
- Global diversity of policy, coverage, and demand of COVID-19 vaccines here
- Third doses of COVID-19 vaccines reduce SARS-CoV-2 infection and transmission and could prevent future surges in some populations here
- Two-dose COVID-19 vaccine effectiveness with mixed schedules and extended dosing here
- Effectiveness of COVID-19 vaccines in North Carolina over 9 months here
- COVID-19 testing and vaccine willingness in Sydney here



Guidance and reports

 The World Health Organization published guidance on an extended primary series with an additional vaccine dose for COVID-19 vaccination in immunocompromised persons here

News and blogs

- The UK's COVID-19 situation here
- Monoclonal antibodies for COVID-19 preexposure prophylaxis here
- NEJM audio interview on a new monoclonal antibody for COVID-19 and potential vaccination for children here
- COVID-19 vaccines for younger children here

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Living Evidence Tables

Living Evidence tables are up-to-date summaries of emerging evidence. Tables are available on <u>COVID-19 transmission</u>, SARS-CoV-2 <u>vaccines</u>, and <u>variants</u> of concern, <u>post-acute sequelae of COVID-19 (PASC)</u>, <u>surgery and COVID-19</u>, <u>rapid testing and risk mitigation strategies</u>.

The latest issue of <u>Clinician Connect</u> is now available! <u>Click here</u> to see the latest article published by the COVID-19 Critical Intelligence Unit.



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