COVID-19 Critical Intelligence Unit

Daily evidence digest

26 October 2021

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

Waning immunity and booster strategies, rapid antigen tests, SARS-CoV-2 infection in school-aged children

Peer reviewed journals featured:

- An observational study on SARS-CoV-2 infection among healthcare personnel and essential workers during a pre-vaccination COVID-19 surge in Arizona here
- Commentary on:
    - Colchicine treatment in COVID-19 here
    - Waning immunity to SARS-CoV-2 and vaccine booster strategies here
    - Infection or vaccination and lasting SARS-CoV-2 immunity here

Letters and correspondence discussed:

- Assessment of cognitive function in patients after COVID-19 infection here
- Fertility rates and birth outcomes after Vaxzevria vaccination here

Pre-peer review articles featured:

- Rapid antigen tests replacing RT-PCR tests for COVID-19 here
- SARS-CoV-2 infection among school-aged children and vaccine effectiveness against infection in adults in England here
- Booster vaccinations after Ad26.COV2.S (Johnson & Johnson) vaccine priming here
- Predictors of SARS-CoV-2 infection following high-risk exposure here
- Collateral positives of COVID-19 for culturally and linguistically diverse communities in Western Sydney here
- Vaccination and the fifth wave of COVID-19 in Catalonia, Spain here
- Symptoms compatible with post-acute COVID syndrome in healthcare workers with and without SARS-CoV-2 infection here

Guidance and reports

- Updates from the National COVID-19 Clinical Evidence Taskforce including recommendations on prone positioning and information on ivermectin here
- The World Health Organization published:
    - An updated COVID-19 vaccine tracker here
    - An update on COVID-19 and health worker protection here
    - Recommendations for use of CoronaVac (Sinovac) here and associated annexes here
    - Guidance on co-administration of seasonal inactivated influenza and COVID-19 vaccines here

News and blogs

- Ambulances queue outside A&Es in England 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.

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