Daily evidence digest

21 January 2022

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

Rapid COVID tests, Omicron and therapeutic monoclonal antibodies, breakthrough infections, Omicron symptoms

Peer reviewed journals featured:

- A systematic review on rapid point-of-care tests for SARS-CoV-2 infections in children here
- A narrative review on Omicron and therapeutic monoclonal antibodies here
- A randomised controlled trial of boosters after Johnson & Johnson (Janssen) vaccine priming here
- Observational studies on:
    - Rapid diagnostic testing for SARS-CoV-2 here
    - mRNA boosters against Omicron here
    - Clinical outcomes in hospitalised COVID-19 children and adolescents in six sub-Saharan African countries here and associated editorial here
- An editorial on the need to update the official list of COVID-19 symptoms here
- Commentary on
    - Milder disease with the Omicron variant here
    - A health system strategy to safely provide surgical care during COVID-19 in the US here

Letters and correspondence discussed:

- Breakthrough infections with Omicron despite mRNA vaccine booster dose here
- Effectiveness of mRNA vaccines in Qatar here

Pre-peer review articles featured:

- COVID-19 breakthrough infection after inactivated vaccination here
- Omicron-associated changes in SARS-COV-2 symptoms in the UK here
- The value of vaccine booster doses to mitigate the global impact of the Omicron variant here
- Effectiveness of mRNA vaccines against Omicron among US Veterans here

Guidance and reports

- The World Health Organization published:
    - Rapid qualitative research to increase COVID-19 vaccination uptake here
    - A meeting report on managing the COVID-19 pandemic and preparing primary health care to meet future health needs here
- The Therapeutic Goods Administration (TGA) issued provisional approval to molnupiravir (LAGEVRIO) and nirmatrelvir + ritonavir (PAXLOVID) for use in oral COVID-19 treatment here

News and blogs

- Lateral flow tests in children fail minimum performance standards here
- COVID-19 vaccine makers chase variant-ready vaccines here
- How does Omicron spread so fast? here
- NEJM audio interview on crushing the COVID-19 curve 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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