COVID-19 Critical Intelligence Unit

Daily evidence digest

11 September 2020

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

Trauma admissions in Westmead Hospital, innate immunity, herd immunity, vaccines

Peer reviewed journals featured:

- A cross-sectional observational study on the impact of societal restrictions and lockdown on trauma admissions to Westmead Hospital during the COVID-19 pandemic here
- A case control study on COVID-19 transmission to healthcare personnel here
- A perspective on “antibody-dependent enhancement” and COVID-19 vaccines and therapies here
- An comparative study on the predictive value of five early warning COVID-19 scores here
- A statistical analysis of the potential underestimation of COVID-19 infection in the US here
- A review of communication tools for professional practice and patient care in the COVID-19 era here
- Commentaries on
    - trained innate immunity, epigenetics, and COVID-19 here
    - COVID-19 herd immunity here
    - a web-based portal for efficient visualisation of COVID-19 viral data here
    - point-of-care testing and COVID-19 here
    - a model for quality-based telehealth metrics here

Letters and correspondence discussed:

- Clinical outcomes in young adults hospitalised with COVID-19 in the US here

Pre-peer review articles featured:

- A scoping review of airborne contamination of COVID-19 in hospitals here
- The impact of COVID-19 on the lives and mental health of Australian adolescents here
- Transmission dynamics and effectiveness of public health interventions in New York here

Guidance and reports

- The World Health Organisation published a book on shifts in regional responses due to COVID-19 here

News and blogs

- Scientists react to the Oxford University vaccine trial being put on hold here
- An audio interview on guidelines for COVID-19 vaccine deployment here

Vaccine update

- As of 9 September 2020, there are 179 vaccine candidates globally, with 33 vaccine candidates in human clinical trials here

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