COVID-19 Critical Intelligence Unit

Daily evidence digest

17 September 2021

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

Prophylactic anticoagulation regimens, variant-modified mRNA vaccine boosters, resistance mutations to monoclonal antibodies

Peer reviewed journals featured:

- A systematic review on prophylactic anticoagulation dosing regimens for COVID-19 patients here
- Randomised controlled trials of:
 - Variant-modified mRNA vaccine boosters in healthy adults <u>here</u>
 - Daily testing for contacts of SARS-CoV-2 infection in secondary schools and colleges here
 - The safety and efficacy of Pfizer vaccine through six months here
 - Remdesivir plus standard of care versus standard of care alone in treating hospital COVID-19 patients (DisCoVeRy) <u>here</u>
- A narrative review on the limit of detection in different matrices of rapid antigen tests here
- Observational studies on:
 - o Protection of the Pfizer vaccine booster against COVID-19 in Israel here
 - o Impact of COVID-19 on opioid use in those awaiting hip and knee arthroplasty here
 - Comorbidity-adjusted National Earning Warning Score and prediction of mortality in suspected COVID-19 patients from nursing homes <u>here</u>
 - Outcomes of SARS-CoV-2 infection in patients with cystic fibrosis <u>here</u>
 - o Standard hospital blanket warming cabinets for reusing N95 masks here
 - o Social gradients in severe COVID-19 outcomes during the first wave in Sweden here

Letters and correspondence discussed:

- SARS-CoV-2 neutralisation with Pfizer vaccine dose 3 <u>here</u>
- Vaccine-induced thrombocytopenia with severe headache here
- A COVID-19 outbreak in a French nursing home with most residents vaccinated <u>here</u>
- Pfizer vaccine in recipients of allogeneic hematopoietic stem cell transplant <u>here</u> and associated commentary <u>here</u>



Pre-peer review articles featured:

- The emergence of SARS-CoV-2 resistance with monoclonal antibody therapy here
- Antibody response to a fourth mRNA vaccine boost in weak responder kidney transplant recipients here
- Qualitative insights on an Orthodox Jewish collaboration with public health services in the UK vaccine program <u>here</u>

Guidance and reports

• The World Health Organization published a competency framework on managing infodemics here

News and blogs

- The UK government lays out its "plan B" to protect NHS this winter here
- Learning from COVID-19 to improve health information for South Asian communities here

<u>Click here</u> to subscribe to the daily evidence digest.

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</u> <u>COVID-19 (PASC)</u>, <u>surgery and COVID-19</u>, and <u>rapid testing</u>.



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