False-negative COVID-19 tests, vaccine trials, artificial intelligence, framework for surge planning

Peer reviewed journals featured:

- A systematic review on false-negative results of initial RT-PCR assays for COVID-19 [here]
- A rapid scoping review on community use of face masks to prevent respiratory illness such as COVID-19 [here]
- Randomised controlled trials on:
  - Safety and efficacy of the BNT162b2 mRNA COVID-19 vaccine [here]
  - A SARS-CoV-2 recombinant spike protein nanoparticle vaccine [here]
  - Baricitinib plus remdesivir for hospitalised adults with COVID-19 [here]
- Observational studies on:
  - Rapid triage for COVID-19 using artificial intelligence screening [here]
  - Trivalent influenza vaccination and mortality among COVID-19 patients in Brazil [here]
  - Genetic mechanisms of critical illness in COVID-19 [here]
- A population-cohort study on HIV and COVID-19 death in the UK [here] and commentary [here]
- Surveys on
  - COVID-19 misinformation in Australia [here]
  - Community prevalence of SARS-CoV-2 in England [here]
- The 5S framework for policy and operational considerations for COVID-19 surge planning [here]
- An editorial on multiorgan symptoms in long COVID [here]
- Commentary on:
  - Community engagement and COVID-19 vaccines [here]
  - The challenges of distributing COVID-19 vaccinations [here] and [here]
  - Race-adjustment of spirometers and racial disparities in COVID-19 recovery [here]
  - The use of artificial intelligence for detecting COVID-19 [here]
  - Preexisting immunity and seasonal coronaviruses [here]
  - Personal protective equipment use in the community during COVID-19 [here]

Letters and correspondence discussed:

- The impact of COVID-19 on mental illness and self-harm episodes in the UK [here]
- Resuming liver transplantation amid the COVID-19 pandemic in the UK [here]
- Association of SARS-CoV-2 renal tropism with acute kidney injury [here] and authors’ reply [here]
The daily evidence digest collates recently released reports and evidence – provision of these links does not imply endorsement nor recommendation.