COVID-19 Critical Intelligence Unit

Daily evidence digest

7 October 2020

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

Prophylactic anticoagulants, in-hospital cardiac arrest, changes in alcohol consumption, social license and big data

Peer reviewed journals featured:

- A Cochrane review on prophylactic anticoagulants for people hospitalised with COVID-19 here
- A multicentre cohort study and BMJ visual abstract on in-hospital cardiac arrest in critically ill COVID-19 patients <u>here</u>
- A review focused on cancer, its comorbidities and therapies, and COVID-19 here
- Retrospective study of private practice telepsychiatry in Australia during COVID-19 <u>here</u>
- Modelling the dynamics of the COVID-19 population <u>here</u>
- An Australian survey-based study describing shifts in alcohol consumption during COVID-19 here
- An observational study on the impact of COVID-19 on acute cardiovascular admissions across Europe <u>here</u>
- A machine learning-based study that developed a COVID-19 diagnostic model here
- A systematic review and meta-analysis of patient and surgeon satisfaction with telemedicine in orthopaedic care <u>here</u>
- Update to a living systematic review on the use of Remdesivir for COVID-19 <u>here</u> and an associated clinical guideline <u>here</u>
- A health economics decision-making framework for addressing COVID-19 here
- An estimate of the number of deaths from COVID-19 in Australia, if the outbreak had been similar in scale to England and Wales <u>here</u>
- Editorials on:
 - The risks of COVID-19 in the UK here
 - o Building a resilient NHS here
- Commentary on:
 - Social license and the use of big data in the COVID-19 era <u>here</u>
 - Strategies and resources to address anxiety among nurses <u>here</u>
 - o COVID-19 during air travel here
 - Interpreting COVID-19 diagnostic test accuracy estimates in clinical practice <u>here</u>



Letters and correspondence discussed:

- Minimising the long-term effect of COVID-19 in dementia care in the UK here
- Analysis of internet search data for chest pain during COVID-19 in the US here
- Crowding and the shape of COVID-19 epidemics <u>here</u>

Pre-peer review articles featured:

- A genetic modelling study on COVID-19 evolution and spread <u>here</u>
- A systematic review and individual-pooled analysis of COVID-19 viral load here
- A comparative evaluation of surge calculators for managing medical resources here
- A study of Australian public perceptions and behaviours towards a future COVID-19 vaccine here
- A modelling study estimating potential benefit of self-isolation on arrival here
- A observational study on the impact of COVID-19 on the uptake of the flu vaccine in the UK here
- A national survey on risk factors associated with COVID-19 infection and outbreaks in long term care facilities in England <u>here</u>

Guidance and reports

 The National COVID-19 Clinical Evidence Taskforce released new and updated recommendations and clinical flowcharts <u>here</u>

News and blogs

- BMJ blogs on
 - Using the term "Long COVID" here
 - A survey from the UK Royal College of Physicians on preparing for a second wave here
- An Australian Department of Health webinar on the COVID-19 response for GPs here

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