

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

Infection control, high flow nasal cannulae, Twitter, influenza

Peer reviewed journals featured:

- A short report on whether established infection prevention and control measures prevent spread of SARS-CoV-2 to the hospital environment beyond the patient room [here](#)
- Optimisation of infection control and operating room management [here](#)
- A systematic review on the effectiveness and risks of using high-flow nasal cannula for acute hypoxemic respiratory failure [here](#)
- Testing and management of COVID-19 for Australian high performance and professional sport [here](#)
- Retweets of officials' messages during the pandemic and implications for crisis management [here](#)
- The diagnostic efficacy of anti-SARS-CoV-2 IgG/IgM tests for COVID-19 [here](#)
- Challenges for clinical research responses to emerging epidemics and pandemics [here](#)
- Pharmacological management in hospital inpatients on end-of-life care [here](#)
- A link between oral hygiene and the severity of SARS-CoV-2 infections [here](#)
- Neurological effects of COVID-19 [here](#)
- Examining the efficacy of an enclosure to reduce aerosol exposure during simulated intubation [here](#)
- Quantifying differences in aerosol generation during common ventilation scenarios [here](#)
- Editorials on:
 - Dexamethasone in COVID-19 [here](#)
 - UK's strategy for COVID-19 testing [here](#)
 - How Aboriginal community controlled health organisations have taken a leading role in COVID-19 health communication [here](#)
 - The four pillars of infodemic management [here](#)
 - The peer review and editorial processes at the Journal of the American Medical Association during the COVID-19 pandemic [here](#)

Comment from the Lancet on

- A COVID-19 second wave and its comparison to the 1918 flu pandemic [here](#)
- Identification of pathophysiological patterns for triage and respiratory support in COVID-19 [here](#)

Letters and correspondence discussed:

- The experience of the Systemic Lupus International Collaborating Clinics on managing hydroxychloroquine shortages during the COVID-19 pandemic [here](#)
- The harms of police frisking in times of a pandemic [here](#)
- Children's emergency presentations during the COVID-19 pandemic [here](#)
- Air change rates and post-aerosol pause times for airway management enclosure [here](#)

Evidence reviews include:

- A rapid review on the effect of COVID-19 on alcohol use and alcohol-related harms [here](#)
- A review on the safety and effectiveness of video laryngoscopy in intubating patients with suspected or confirmed COVID-19 [here](#)
- Strategies to reduce the impact of a second wave of COVID-19 in long-term care facilities [here](#)

Pre-peer review papers feature:

- A retrospective analysis on shutting and re-opening schools, and their impact on the spread of COVID-19 in Europe [here](#)
- A population health data analysis of influenza vaccination and COVID-19 mortality in the US [here](#)
- Evidence from two population-based longitudinal studies on problem drinking before and during the COVID-19 crisis in US and UK adults [here](#)
- Results from a Brazilian observational study with more than 12,000 participants assessing correct use of masks correctly during daily activities [here](#)
- A systematic review and meta-analysis of D-dimer levels in hospitalised COVID-19 patients [here](#)
- Age-associated COVID-19 incubation period and its impact on quarantine policy [here](#)
- A cost benefit analysis of limited reopening relative to a herd immunity strategy or shelter in place for SARS-CoV-2 in the USA [here](#)

News:

- An opinion piece by the Australian Government Chief Nursing and Midwifery Officer on lessons for Australia from Melbourne's COVID-19 spike [here](#)
- Australian Health Protection Principal Committee (AHPPC) statement on the safe return of crowds to stadiums, arenas and large theatres [here](#)

Guidance:

- World Health Organisation interim guidance on:
 - Rapid hospital readiness checklist: harmonised health service capacity assessments in the context of the COVID-19 pandemic [here](#)
 - Biomedical equipment for COVID-19 case management - inventory tool: harmonised health service capacity assessments in the context of the COVID-19 pandemic [here](#)
 - Strengthening the health systems response to COVID-19: adapting primary health care services to more effectively address COVID-19 [here](#)