

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

Disease management, clinical trials, enhancing value post-COVID-19, fit checking masks

Peer reviewed journals featured:

- A systematic review and meta-analysis on potential management of COVID-19 patients [here](#)
- A systematic review of randomised clinical trials investigating COVID-19 [here](#)
- A retrospective longitudinal cohort study on COVID-19 associated hyperinflammation and escalation of patient care [here](#)
- A multinational study on the risk of stroke in hospitalised SARS-CoV-2 patients [here](#)
- A randomised clinical trial of remdesivir versus standard care in moderate COVID-19 cases [here](#)
- A cohort study to measure asymptomatic transmission on an evacuation flight [here](#)
- A discussion on the ethics of compulsory treatment or vaccination [here](#)
- Commentary on steps to reduce low-value and wasteful care post COVID-19 [here](#)
- Commentary on virtual volunteers during COVID-19 [here](#)
- Commentary on international comparisons of COVID-19 observational studies in ICUs [here](#)
- Perspectives of Australian infectious diseases physicians and clinical microbiologists [here](#)

Letters and correspondence discussed:

- The use of heparin prophylaxis in COVID-19 patients [here](#)

Pre-peer review articles featured:

- A systematic review and patient-level meta-analysis of viral dynamics to model responses to antiviral therapies [here](#)
- Wastewater-based surveillance [here](#) and [here](#)
- An interactive tool to assess the impact of different combinations of test sensitivity, specificity and infection prevalence [here](#)
- A modelling study on environmental risk factors in viral transmission in the Netherlands [here](#)
- Time use and mental health during the COVID-19 pandemic in the UK [here](#)
- A multimodal data repository for better understanding the global impact of COVID-19 [here](#)
- A case report of SARS-CoV-2 in the first trimester placenta leading to vertical transmission from an asymptomatic mother [here](#)
- Retrospective screening of routine respiratory samples for UK epidemiology investigations [here](#)

- A multiphysics computational perspective on safety ranking of seats in intercontinental aircraft [here](#)
- Quantitatively defined variance in N95 respirator integrity following vapourised hydrogen peroxide decontamination during COVID-19 [here](#)
- Comparing the fit of N95, KN95, surgical, and cloth face masks and assessing the accuracy of fit checking [here](#)

Guidance and reports

- The World Health Organisation published:
 - advice on the use of masks for children in the community in the context of COVID-19 [here](#)
 - COVID-19 healthcare worker cases and implications for action (Western Pacific Region) [here](#)

News and blogs

- The Australian Health Protection Principal Committee (AHPPC) released a statement on the national COVID-19 response for residential aged care facilities [here](#)
- The BMJ released a blog post on returning to clinical practice amid a pandemic [here](#)

From the Critical Intelligence Unit #NSWHealthCIU

We are assessing the indirect impact of COVID-19 – focusing particularly on the consequences of missed or delayed healthcare. We are conducting a series of activities to gather experiences and perspectives from healthcare staff, consumers and communities in NSW. To find out more and register your interest [click here](#) or email NSWH-CriticalIntelligenceUnit@health.nsw.gov.au

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