

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

Triple combination treatment, NSW response, non-communicable disease

Peer reviewed journals feature:

- A phase 2 trial of triple combination of interferon beta-1b, lopinavir–ritonavir, and ribavirin for treating patients with COVID-19 which showed shortening of the duration of viral shedding [here](#)
- A description of the public health response in NSW and how the epidemic was suppressed [here](#)
- A retrospective cohort study of treatment with high-dose anakinra in patients with COVID-19 [here](#)
- A study into the impact of climate and public health interventions on the COVID-19 pandemic across 144 geopolitical areas worldwide [here](#)
- Managing healthcare worker wellbeing in a Melbourne emergency department during COVID-19 [here](#)
- A pre-print article on re-considering the immediate release of prisoners during COVID-19 community restrictions [here](#)
- Commentaries in the Lancet on prevention and control of non-communicable diseases in the COVID-19 response [here](#); and sharpening the global focus on ethnicity and race in COVID-19 [here](#)
- Insights from the CEOs of healthcare organisations across the US on the COVID-19 crisis [here](#)
- Reviews of immunomodulatory therapy for the management of severe COVID-19 [here](#) and [here](#)
- The risk of viral transmission with public ground transportation use [here](#)
- Commentary on the so-called infection control ‘arms race’ [here](#)
- Emerging international consensus on ethics guidelines for COVID-19 triage [here](#)
- Recommendations for hospital clinicians for bereavement support on the frontline [here](#)
- The application of ‘chaos theory’ to modelling COVID-19 outbreaks [here](#)

Letters on:

- A call for public health approach to manage domestic violence during COVID-19 [here](#)
- Collateral effect of COVID-19 on stroke evaluation in the United States suggesting 39% decrease in the number of patients who underwent imaging [here](#)
- Changes in COVID-19 positivity rate in outpatients in Seattle and Washington State during 1 March - 16 April [here](#)

Pre-peer review papers feature:

- A cohort study of 17 million adult NHS patients on factors associated with COVID-19 related hospital deaths [here](#)
- Bidirectional contact tracing [here](#)
- Discussion on disease-induced herd immunity [here](#)
- A model to guide sequential return to work [here](#)
- A systematic review and meta-analysis suggesting that prior use ACEIs /ARBs is associated with a decreased risk of death or critical outcome among SARS-CoV-2 infected patients [here](#)

The National COVID-19 Clinical Evidence Taskforce has released updates on remdesivir, VTE prophylaxis and respiratory support [here](#)

The Centre for Evidence Based Medicine featured data showing that 33% care homes in England had confirmed or suspected outbreaks of COVID for the week ending the 27th of April [here](#)

Guidance released includes:

- From the World Health Organisation:
 - Surveillance strategies [here](#) and contact tracing for COVID-19 human infection [here](#)
 - Considerations for public health measures in the context of COVID-19 related to school [here](#) and workplace [here](#)
- Guidance on PPE from RACS [here](#)
- Updated guidance on surgery triage by RACS [here](#)

Twitter:

Mental health

- TEN – The Essential Network, an app supporting health professionals to manage life and work through COVID-19 [here](#)
- NY times piece highlighting mental health and suicide in Australia from the back of the bushfires and COVID19 tweet through @MJAeditor [here](#)
- Prevalence of common and stress-related MH disorders in healthcare workers based in pandemic-affected hospitals: rapid systematic review and meta-analysis [here](#) and a tweet through @adthompson4 [here](#) impact of previous pandemics on psychosis [here](#)
- Updated guidance on patients and family after death during the COVID-19 pandemic [here](#)

Easing outbreaks and impacts

- Learnings from a tweet through @Erictopol that there is no 'elimination of COVID19 yet, even in the most successful countries' [here](#) which is at odds with a Lancet report on New Zealand's elimination strategy [here](#)
- A blog on virus transmission, retweeted by @NoahIvers [here](#) on where people are getting sick including; meat packing, prisons, workplaces and how to avoid risks in typical settings like restaurants and workplaces [here](#)
- @MJAEditor tweeted a paper on over 90, 000 health workers infected with COVID-19 worldwide [here](#)
- @Erictopol released a tweet [here](#), more clusters are being discussed of Kawasaki like disease; now in New York [here](#)

Patient-provider communication

@LifeLines_ICU on preparing for safe and effective video calls in ICU- resources [here](#) and Canada showing improvement in reintegrating family and caregiver presence in palliative care [here](#)