

Daily evidence digest

14 May 2020

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

Steroids, triage algorithm, ventilator allocation, prognostic tool

Peer reviewed journals featured:

- A systematic review on the impact of corticosteroid therapy on outcomes of SARS-CoV-2, SARS-CoV, and MERS-CoV infection [here](#)
- A narrative review on policies, ethical complexities, and legal contexts for ventilator allocation [here](#)
- An adult ICU triage algorithm based on clinical estimations of the incremental survival provided by ICU care during the COVID-19 pandemic [here](#)
- A description of a palliative care help line in New York that seeks to meet the needs of clinicians and patients [here](#)
- An innovative approach to co-generating telemedicine visit notes [here](#)
- Commentary on coagulation abnormalities and thrombosis in patients with COVID-19 [here](#)
- A retrospective multicentre cohort study on treatment with hydroxychloroquine, azithromycin, or both was not associated with significantly lower in-hospital mortality in COVID-19 [here](#)
- A commentary on the drop in routine vaccinations for US children [here](#)
- Development and validation of a clinical risk score to predict critical illness in hospitalised patients with COVID-19 [here](#)
- Lessons from China on understanding COVID-19 infection in the paediatric population [here](#)
- A commentary on psychogeriatric care and COVID-19 in Australia [here](#)

Letters on:

- Decreased donor transplantations since the COVID-19 outbreak [here](#).

Pre-peer review papers feature:

- A simulation study of pre-symptomatic transmission, based on secondary analysis of published data [here](#)
- A rapid review of available evidence on the serial interval (the time between symptom onset in an infector – infectee pair) to assess the dynamics of a disease [here](#)
- A discussion of collider bias and how it can distort associations between variables or induce spurious associations [here](#)
- Development and external validation of a prognostic tool for critical illness with COVID-19 [here](#)

Reviews:

The Centre for Evidence Based Medicine published a rapid review on diabetic retinopathy screening during the COVID-19 pandemic [here](#)

Other resources and news:

- ECRI released a statement on the role of genetics in variation in the disease signs and symptoms for COVID-19 [here](#)
- The OECD published a report on social outcomes of education [here](#)

Guidance released includes:

- The World Health Organisation released public health criteria to guide adjustment of public health and social measures in the context of COVID-19 [here](#)
- The CDC published a framework for healthcare systems to balance the need to provide necessary services while minimising risk to patients and healthcare personnel [here](#)
- A consensus statement from a UK based intensive care and anaesthetist groups on perioperative care of patients with hip and major fragility fractures during the COVID-19 pandemic [here](#)

Twitter:**Telehealth**

@theMJA insight piece Doctor–patient communication & relationship in telehealth [here](#) and a news article from the Guardian by @CHFofAustralia on telehealth as a way forward for Australia [here](#)

Research response and opportunities

Research waste during COVID-19, @theMJA insights piece highlighting what can we learn from the pandemic [here](#) and a @BMJlatest piece on poor quality research sabotaging an effective evidence-based response written by @PaulGlasziou, @TammyHofman @sharonsanders [here](#) on a data quality blog with access to article [here](#)

Prevention and exit planning

Tweeted by @EricTopol, a news article [here](#) highlights Iceland's experience on contact tracing using smart phones

@CHFofAustralia ejournal 'Health Voices' focuses on social prescribing and prevention [here](#)

BMJ analysis post UK Government plan for COVID-19: How can we safely exit lockdown [here](#), retweeted by @RichardLehman1

Wellbeing Resources

Following the recent launch of 'The Pandemic Kindness Movement', @HCW_welfare has also published "Staff wellbeing during COVID-19: a structured approach for healthcare organisations" [here](#)

Figure 1: An organisational approach to staff wellbeing during COVID19

