

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

### ICU modelling, nutritional risk, spinal cord injury, diabetes

#### Peer reviewed journals featured:

- Evidence of increasing diversification of COVID-19 strains [here](#)
- A global analysis on infection prevention and control strategies in health settings [here](#)
- Clinical significance of nutritional risk screening for older adult patients with COVID-19 [here](#)
- Diabetes and COVID-19: evidence, current status and unanswered research questions [here](#)
- Real time tracking of self-reported symptoms to predict potential COVID-19 [here](#)
- The UK's public health response to COVID-19 [here](#)
- Patient safety and quality improvement skills to employ during the COVID-19 surge [here](#)
- Recommendations for COVID-19 screening and triage challenges in spinal cord injury [here](#)

#### Lancet journals include:

- A cross sectional study of risk factors for COVID-19 in primary care [here](#)
- An insight piece on diabetes management during the COVID-19 [here](#)
- Multidisciplinary guidance on tracheostomy during COVID-19 [here](#)
- An editorial on uncertainty, scientific consensus and policy [here](#)

#### JAMA journals published:

- An ethical framework to allocate inpatient medications for COVID-19 in the US [here](#)
- Discussions about prone positioning in non-intubated patients with acute respiratory failure [here](#), [here](#) and [here](#).
- A viewpoint on the need for real time data to assess when to re-open society [here](#)

#### Letters focus on:

- Modelling of impact in intensive care units in NSW [here](#) and Australia [here](#)
- A letter on RNA recombination event in the COVID-19 genome [here](#)
- Letters cautioning the use of herbal drugs [here](#); steam inhalation and paediatric burns during the COVID-19 pandemic [here](#); ethical global leadership on health equity [here](#)
- Skin involvement in COVID-19 infection [here](#)
- Co-infection with COVID-19 and influenza A virus [here](#)

#### Pre-peer review papers:

- Tracking COVID-19 public health responses using genomics [here](#)
- Determinants of COVID-19 mortality are evaluated using 140 countries' data [here](#)
- Country differences in hospitalisation, length of stay and admission to ICU [here](#)
- A modelling study analysing the effect of relaxing lockdown control measures [here](#)
- A systematic review and meta-analysis on the extent of true asymptomatic cases [here](#)
- The dynamics of contact and airborne transmission between individuals indoors [here](#)

**Reviews:**

- The Cochrane Library released a collection on maintaining health and wellbeing [here](#)
- Four new reviews from McMaster Health Forum on screening approaches for non-health settings [here](#), temperature screening at borders [here](#), loss of taste and smell as screening items [here](#), and international lessons on re-opening non COVID-19 activities in hospital [here](#)

**Other resources and news:**

- WHO has released tools for countries to implement non-pharmaceutical interventions for COVID-19 [here](#)
- A tool for assisting health systems model and estimate 1-30 days ahead to meet hospital specific demand for medical and ICU beds, ventilators, PPE, medications and staffing [here](#)

**Guidance released includes:**

- ECRI released a risk assessment on paediatric inflammatory multisystem syndrome and COVID-19 infection in children [here](#)
- WHO has developed a case definition and case report form for multisystem inflammatory disorder in children and adolescents [here](#) and tools for countries to implement non-pharmaceutical interventions for COVID-19 [here](#)
- NICE guidelines on chronic kidney disease [here](#) and interstitial lung disease [here](#)
- Australian and New Zealand College of Anaesthetists statement on PPE [here](#)
- An operating framework for urgent and planned services in hospital settings in the NHS [here](#)
- CDC guidance on criteria for testing in animals [here](#) and guidance for COVID-19 patients who have pets at home [here](#)

**Twitter:**

@bmj\_latest perspective on local innovation during the pandemic with an example shared around the emergency delivery of oxygen saturation probes to patients [here](#)

@IFICInfo realising the true value of integrated care beyond COVID-19 [here](#)

@ConversationEDU costs versus benefits of the COVID-19 shutdown in Australia [here](#)

Newspaper article in Washington post on the use of thermal cameras at airports and companies by @drewharwell with commentary by @EricTopol sharing its unhelpful and the method hasn't been validated to prevent spread of COVID-19 [here](#)