# COVID-19 Critical Intelligence Unit

## **Daily evidence digest**

29 April 2020

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

### Pregnancy, policy comparisons, influenza during COVID-19

#### Peer reviewed journals feature:

- A systematic scoping review on COVID-19 infection during pregnancy and childbirth <u>here</u>
- A case study evaluating the effect of government policy in top 10 affected countries in controlling the outbreak of COVID-19 here
- Advice regarding continuing ACE-i/ARBs inhibitors during COVID-19 here

#### Letters on:

- A simulation study assessing the protection of ED staff wearing personal protective equipment while caring for a patient in respiratory distress here
- Reductions in influenza infections in the context of COVID-19 in Singapore <u>here</u> and in Taiwan here

#### Pre-peer review articles:

- Population-based estimates of chronic conditions affecting the risk of complications from COVID-19 in the US <u>here</u>
- Modelling-based analysis of automated contact tracing, and its effectiveness in mapping the spread of COVID-19 <a href="here">here</a>

#### Reviews:

The Centre for Evidence Based Medicine uploaded:

- An editorial on the effect of latitude on COVID-19 <u>here</u>
- A review on the mortality of COVID-19 patients with radiological changes on admissions here

An NGO - UK Research and Innovation - discusses the ethics of allocating medical resources during a pandemic here

#### **Guidance:**

- Australian surgical specialty societies have produced a series of position statements and recommendations on the reintroduction of elective surgery, all available <a href="here">here</a>
- Further guidance on return to elective surgery from Royal Australian and New Zealand College
  of Ophthalmologists(RANZCO) <a href="here">here</a>, Gastroenterological Society of Australia (GESA) <a href="here">here</a> and
  Australian New Zealand Society for Vascular Surgery (ANZSVS) <a href="here">here</a>



#### **Twitter activity**

It is 'Patient Experience Week' and you can track activity through #PXWeek2020 and join the discussion on the essence of patient and human experience in the face of COVID-19:

- @BerylInstitute opening address for the Patient Experience virtual conference here
- @NSWHealth announces that staff and consumer advisors have membership access to
   @BerylInstitute <a href="here">here</a>
- @LPTnhs (NHS Trust) Leicestershire Partnership resource on 'Mindful communication during COVID-19 here

#### Other trending topics:

- Trending from @PICSociety regarding children presenting to ICU with multi-system hyperinflammatory state, overlapping features of toxic shock syndrome & atypical Kawasaki disease here, also reported in the Guardian here and Sydney Morning Herald here
- Researchers from @NatureNews have created a 'stringency index' that describes the overall severity of a country's response to the COVID-19 outbreak and allows responses to be compared <a href="here">here</a>

There are new rapid evidence checks available from the Critical Intelligence Unit #NSWHealthICU: Inpatient Management, Thermal screen and ICU ventilation, Neonates and COVID-19, Inpatient management of COVID-19, Validated tools to diagnose respiratory illness via telehealth, Ventilation use for COVID-19 patients, Thermal imaging for detection of fever here



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