

Daily evidence digest

22 July 2020

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

Vaccine trials, patient-reported data, emergency preparedness

Peer reviewed journals

- The Lancet published preliminary reports from two randomised controlled trials on safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2 [here](#) and on recombinant adenovirus type-5-vectored COVID-19 vaccine [here](#)
- A review on the interaction between COVID-19 and the cardiovascular system from basic mechanisms to clinical perspectives [here](#)
- A retrospective review of challenges in resuming elective orthopaedic surgical procedures post COVID-19 [here](#)
- Impact of healthcare worker shift scheduling on workforce preservation during COVID-19 [here](#)
- Facilitating research on COVID-19 through patient-reported data [here](#)
- Bacterial and particulate filtration efficiency testing on novel manufacture of simple masks [here](#)
- A commentary on the inclusion of children and pregnant women in COVID-19 intervention trials [here](#)
- A viewpoint on early containment, care provision, and easily understandable advice for vulnerable people with Down's syndrome [here](#)
- Commentary on engaging patients in screening programs for unmet social needs [here](#)
- Early experience from frontline physicians on gender equitable advancement during COVID-19 [here](#)

Letters and correspondence discussed:

- A living rapid review on the use of masks for the prevention of viral respiratory infections, including SARS-CoV-2, in health care and community settings [here](#)
- A personal experience with COVID-19 [here](#)
- Ketoacidosis in children and adolescents with newly diagnosed type-1 diabetes during COVID-19 in Germany [here](#)

Pre-peer review

- The infectious nature of patient-generated SARS-CoV-2 aerosol [here](#)
- Human antibody and TH1 type T-cell responses elicited by a COVID-19 RNA vaccine [here](#)
- Inverted covariate effects for mutated 2nd vs 1st wave of COVID-19 [here](#)

News and blogs

- Genomic surveillance for identifying and tracking emerging pathogens such as SARS-CoV-2 [here](#)
- Sustaining positive changes in new way of working [here](#)
- A rapid review of the UK's preparedness for a second wave of COVID-19 [here](#)

Guidance and reports

- From the US National Academies of Science, Engineering and Medicine, a report on evidence-based practices for public health emergency preparedness and response [here](#)
- A statement from the Australian Health Protection Principal Committee (AHPPC) about the resumption of community sports [here](#)