

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

Child and family outcomes post-pandemics, ICU contamination, epidemic suppression and vaccine development

Peer reviewed journals featured:

- A systematic review on child and family outcomes following pandemics [here](#)
- A longitudinal analysis of adult mental health and wellbeing in the UK during COVID-19 [here](#)
- An observational study on environmental contamination in a COVID-19 intensive care unit [here](#)
- A quasi-experimental study on emergency department readiness for COVID-19 [here](#)
- A cohort study on the risk of hospital admission and mortality from COVID-19 in UK adults [here](#)
- Modelling studies on:
 - The impact of COVID-19 prevalence and mode of transmission on mortality in WHO regions [here](#)
 - Lockdown measures and relative changes in the age-specific incidence of COVID-19 in Spain [here](#)
- Analysis of social media and relevance to pandemic-related policy decisions in Australia [here](#)
- An international survey on the impact of exposure to COVID-19 patients on trainee physicians [here](#)
- Editorials on:
 - Developing a safe and effective COVID-19 vaccine [here](#)
 - The importance of language in public health [here](#)
 - COVID-19 and organising care for myocardial infarctions [here](#)
- Collaborating across four hospital systems in the COVID-19 response in New York [here](#)
- The risks and obligations of epidemic suppression and vaccine development [here](#)
- The impact of COVID-19 on post-operative follow-up after total hip and knee joint replacement [here](#)
- Case study on a simulation-based education programme for upskilling non-critical care nurses for COVID-19 deployment [here](#)
- Perspectives on:
 - COVID-19 testing and school reopening in Los Angeles [here](#)
 - COVID-19 vaccine efficacy [here](#)
- Commentaries on:
 - Operationalisation of 'COVID-19 Vaccines A Global Common Good' [here](#)
 - Immunological considerations for COVID-19 human challenge studies [here](#)
 - Digital psychiatry and COVID-19 [here](#)

Letters and correspondence discussed:

- A meta-analysis on saliva-based testing for COVID-19 diagnosis [here](#)
- COVID ageism as a public mental health concern [here](#)

Pre-peer review articles featured:

- A phase 2 randomised clinical trial of treatment with human umbilical cord-derived mesenchymal stem cells for COVID-19 patients with lung damage [here](#)
- Case control study on intravenous mesenchymal stem cells for extracorporeal oxygenation patients [here](#)
- A retrospective cohort study on the indirect effects of COVID-19 on paediatric health-care use and severe disease [here](#)
- An online study on cognitive deficits in people who have recovered from COVID-19 [here](#)
- A longitudinal analysis of weekly panel data on adherence to COVID-19 government guidelines in the UK [here](#)
- Modelling to predict long-COVID based on Symptom Study App-derived data [here](#)

Reviews

- The Cochrane Library released a COVID-19 Special Collection on clinical rehabilitation [here](#)

News and blogs

- Interview on the importance of clinical leadership [here](#)
- The role of T cells and antibodies in COVID-19 infection and immunity [here](#)
- The challenges of expanding rapid tests to curb COVID-19 [here](#)
- The false promise of herd immunity for COVID-19 [here](#)

Vaccines

- As of 21 October 2020, there are 198 vaccine candidates globally, with 38 vaccine candidates in human clinical trials [here](#)

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