

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

Home pulse oximetry, transmission dynamics, and virtual hospitals

Peer reviewed journals featured:

- Novel use of home pulse oximetry monitoring in COVID-19 patients [here](#)
- The wide ranging challenges of “return to work” in an ongoing pandemic [here](#)
- Improvisation during a crisis and hidden innovation in healthcare systems [here](#)
- The use of a chatbot to address COVID-19-related concerns [here](#)
- Practice points on the use of N95, surgical, and cloth masks to prevent COVID-19 in healthcare and community settings from the American College of Physicians [here](#)
- Recommendations for tiered stratification of urological surgery urgency during COVID-19 [here](#)
- Household secondary attack rate of COVID-19 and associated determinants in Guangzhou [here](#)
- Learning from encephalitis lethargica [here](#)
- Coronavirus disease 2019 communication and use of novel sign language system to aid surgical tracheostomy whilst wearing a respirator [here](#)
- Longitudinal assessment of cumulative adversities by socioeconomic position in the first 3 weeks of lockdown in the UK [here](#)
- Sex differences in COVID-19 patients [here](#)
- Zinc as nutritional intervention and prevention measure for COVID-19 disease [here](#)
- A systematic review on hydroxychloroquine in reducing mortality among COVID-19 patients [here](#)
- A systematic review on the clinical outcomes in COVID-19 patients on angiotensin-converting enzyme inhibitors or angiotensin receptor blockers [here](#)
- The COVID-19 pandemic and syndromic surveillance [here](#)
- A perspective piece in the MJA on tracking, tracing and trust [here](#)
- An editorial about publishing in the time of COVID-19 [here](#)

Letters and correspondence discussed:

- Monitoring albumin and total bilirubin for severity and mortality in COVID-19 patients [here](#)
- Clinical and immunological assessment of asymptomatic SARS-CoV-2 infections [here](#)
- A blueprint for a pop-up SARS-CoV-2 testing lab [here](#)

Pre-peer review papers feature

- Excess mortality in England and Wales during the first wave of the COVID-19 pandemic [here](#)
- Associations of country profiles and modifiable risk factors with COVID-19 cases and deaths [here](#)
- A controlled trial of methylprednisolone in adults hospitalised with COVID-19 pneumonia [here](#)
- Rapid utilisation of telehealth in a comprehensive cancer centre as a response to COVID-19 [here](#)
- Impacts of regional climate on the COVID-19 pandemic [here](#)
- The potential years of life lost from COVID-19 [here](#)
- COVID-19 outcomes, risk factors and associations by race in Michigan [here](#)
- Mental health during the COVID-19 pandemic in two longitudinal UK population cohorts [here](#)
- Wastewater surveillance for COVID-19 in India [here](#)
- Environmental surveillance for the presence of SARS-CoV-2 RNA in wastewater in Japan [here](#)

Evidence syntheses

- The Centre for Evidence Based Medicine released a review of transmission dynamics [here](#)
- The National COVID-19 Clinical Evidence Taskforce updated or released new information on disease severity in children and adolescents, disease modifying treatments, and hydroxychloroquine for post exposure prophylaxis from the [here](#) and new or updated clinical flowcharts [here](#)

Guidance and reports

- The World Health Organisation published key actions for addressing violence against children, women, and older people during the COVID-19 pandemic [here](#)

Twitter: chats, podcasts, webinars and journal clubs for the week

Handles	Topics	Links
@BMJLeader The BMJ	Tweetchat - #BMJLeaderchat: Innovating at pace during a crisis	Click here
@AusHealthcare Australian Healthcare and Hospitals Association	Podcast: RPA Virtual Hospital - Care during the pandemic	Click here
@AnnalsofIM Annals of Internal Medicine	Journal Club - #ACPJournalClub: Best practice statements and recommendations for caring for critically ill patients with COVID-19	Click here
@NEJM New England Journal of Medicine	Audio Interview: A Look at SARS-CoV-2 Transmission	Click here
@BMJ_Latest The BMJ	Podcast: Talk Evidence COVID-19 update - surgisphere data, and protests in a pandemic	Click here
@McMasterForum McMaster University	Webinar recording: Top Ten insights into improving hospital-to-home transitions <ul style="list-style-type: none"> - Part 1: older adults with complex health and social needs - Part 2: insights from the COVID-19 response 	Click here