

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

Physical distancing, face masks, heart failure, research quality

Peer reviewed journals featured:

- A systematic review on physical distancing, face masks, and eye protection to prevent person-to-person transmission [here](#)
- A rapid review on dysphagia assessment as a potential aerosol generating procedure [here](#)
- Impact of COVID-19 pandemic on STEMI in a non-COVID-19 epicentre [here](#)
- A brief report on eating disorders during the COVID-19 pandemic in Australia [here](#)
- Data on the impact of COVID-19 on heart failure hospitalisation and management [here](#)
- A survey on the use of telemedicine for head and neck ambulatory visits [here](#)
- Racial and ethnic disparities in long-term services [here](#)
- Tele-palliative medicine volunteers in New York [here](#)
- A commentary on the physical, mental, and social issues and challenges faced by unpaid home care providers [here](#)
- A BMJ feature article on how NHS mental health services are adapting to provide care [here](#)
- A small case report on three COVID-19 patients with encephalopathy and encephalitis [here](#)
- Two 'expressions of concern' about the quality of information and reliability of conclusions of a [retrospective study](#) in NEJM on ACE inhibitors and ARBs [here](#) and [a multinational registry analysis](#) of hydroxychloroquine for treatment of COVID-19 in the Lancet [here](#)

Letters and correspondence

- Self-risk assessment for patients with rheumatic disease during COVID-19 [here](#)
- A novel clinical pattern of acute myocardial injury in children with COVID-19 [here](#)

Pre-peer review papers featured:

- A nationwide study from the US on willingness to accept trade-offs among number of COVID-19 cases, social-distancing restrictions, and economic impact [here](#)
- Serological surveys reveal that long-lived immunoglobulin G antibodies specific against SARS-CoV2 are rapidly vanishing in severe cases [here](#)
- Antibody profiling of COVID-19 patients in an urban low-incidence region in Germany [here](#)
- Prospective and retrospective applications of quantitative assessment of the risk of airborne transmission of SARS-CoV-2 infection [here](#)

Guidance and reports

- OECD report on coordinating R&D policies on research and development and manufacturing to ensure equitable and universal access to treatments and a vaccine for COVID-19 [here](#)
- Harmonised modules for health facility assessment to meet country needs throughout the different phases of COVID-19 from WHO [here](#)

News items

- Large cohort studies that follow populations over years to track the long-term health effects of the coronavirus crisis [here](#)
- The Australian Government is investing \$66 million from the Medical Research Future Fund into finding a vaccine and treatments for COVID-19 [here](#)

Twitter

Data integrity and 'expression of concern' from the Lancet and NEJM

- A high volume of Twitter activity following @NEJM and then @TheLancet, publishing 'expression of concerns' for studies that used an international database from @Surgisphere [here](#) and [here](#). Concerns were raised about the quality of information on the database.
- Trending hashtags include #lancetgate and #whats_with_HCQ_lancet_paper.
- Australian researchers have raised concern over the hydroxychloroquine study [here](#).
- Further Twitter threads can be found [here](#), [here](#) and [here](#) and an investigative blog from @JamesTodoroMD into Surgisphere and the data behind the studies [here](#).
- @TheScientistLLC published concerns over Surgisphere's dataset [here](#) and @Dereklowe has published a commentary for the @ScienceMagazine on the issues [here](#).
- An open letter with 140 signatories [here](#), is calling for an independent analysis of the database, open access to all data and transparency of the peer-review comments.
- @BMJ_latest also published background to the methodological and data integrity concerns and highlighted that @WHO halted the hydroxychloroquine arm of the Solidarity Trial in response to the study published in @NEMJ [here](#).
- @Surgisphere has addressed the article featured in the Lancet and their database [here](#).

Annals of Internal Medicine issues retraction

- @AnnalsofIM have undertaken a retraction of a study that reported that masks were ineffective at stopping viral transmission during coughing [here](#).