

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

### Environmental contamination, vaccinations during COVID-19, research

#### Peer reviewed journals featured:

- Environmental contamination levels during prolonged isolation of an asymptomatic carrier [here](#)
- Methods for developing venous thromboembolism / pulmonary embolism thromboprophylaxis clinical guidelines for COVID-19 patients [here](#)
- Cancer history and mortality in hospitalised COVID-19 patients [here](#)
- Clinical characteristics and morbidity associated with COVID-19 in Detroit [here](#)
- A rapid implementation of an outpatient COVID-19 monitoring program in the US [here](#)
- Modelling study on isolation, testing, contact tracing, and physical distancing on reducing transmission of SARS-CoV-2 in different settings [here](#)
- A single-centre prospective cohort study on GM-CSF blockade with mavrilimumab in severe COVID-19 pneumonia and systemic hyper-inflammation [here](#)
- A position statement from the Union of the European Phoniaticians' on voice, swallowing, speech and language, or paediatric audiology services [here](#)
- A perspective on COVID as a catalyst for educational transformation [here](#)
- An opinion piece on COVID-19 and improving research infrastructure and relevance [here](#)
- Insights into the US safety net revealed by COVID-19 [here](#)
- Effects of sterilisation with hydrogen peroxide and chlorine dioxide on the filtration efficiency of N95, KN95, and surgical face masks [here](#)
- Editorial reflecting on the implications of COVID on UK mental health care [here](#)
- A commentary on an aerosol prevention box for regional anaesthesia for eye surgery [here](#)
- An editorial on routine vaccination during COVID-19 [here](#)
- Seroepidemiologic study designs for determining SARS-COV-2 transmission and immunity [here](#)
- Commentary and video on geospatial digital monitoring of COVID-19 cases in Geneva [here](#)
- A feature on the limited utilisation of hastily constructed field hospitals in the US and UK [here](#)
- Links to an Intensive Care Society webinar that shared learnings and practices from frontline clinicians in the UK [here](#)

#### Letters and correspondence discussed:

- Overcoming fragmentation of health research in Europe [here](#)
- Disease and healthcare burden of COVID-19 in the US [here](#)
- Access to out-of-hours palliative and end-of-life care at home [here](#)
- COVID-19 mortality and latitude [here](#)
- Age-dependent effects in the transmission and control of COVID-19 epidemics [here](#)

### Pre-peer review papers feature

- Modelling study on time frames to detect the impact of changing COVID-19 control measures [here](#)
- Analysis of health indicators to describe health systems' resilience to COVID-19 [here](#)
- Use of longitudinal immune profiling to explore pathogenesis [here](#)
- Impact of COVID-19 pandemic on cardiology services in a single centre in the UK [here](#)
- Development and validation of a tool to appraise guidelines on SARS-CoV-2 infection prevention strategies in healthcare workers [here](#)
- Reporting characteristics of peer-reviewed publications, pre-prints and registered studies on the COVID-19 pandemic [here](#)
- Impact of COVID-19 on safety culture at a large UK teaching hospital [here](#)
- Mental health service activity during COVID-19 lockdown from February to mid-May 2020 in a UK health service [here](#)
- Systematic review of critical complications of COVID-19 [here](#)
- Systematic review of remdesivir efficacy in COVID-19 [here](#)
- Impact of temperature and sunshine duration on daily new cases and death due to COVID-19 [here](#)
- Systematic review of clinical characteristics and outcomes of venous thromboembolism in patients hospitalized for COVID-19 [here](#)
- Predictors of CPAP outcome in hospitalised COVID-19 patients [here](#)

### Twitter update 18<sup>th</sup> June

The research on low-dose **dexamethasone** steroid treatment as a part of the **RECOVERY** (Randomised Evaluation of COVid-19 thERapY) **trial** generated discussion on Twitter

Trending #RECOVERY UK based trial with preliminary results showing low dose dexamethasone reduces deaths in patients hospitalised with COVID-19 who need ventilation [here](#), [here](#) and [here](#). Statement from chief investigators including @PeterHorby [here](#).

Smaller randomised controlled trials previously published such as one [here](#) in @LancetRespirMed, showed promise but as @GaetanBurgio points out, according to NBCI only 12 studies are being performed on dexamethasone versus 222 for hydroxychloroquine [here](#).

The preliminary results have been met with waves of optimism, @EricTopol highlighting the promise of the repurposed drug improving survival [here](#), @Nature [here](#) and @WHO welcoming the initial trial results [here](#).

There is a significant volume of news coverage emerging internationally [here](#) and in Australia [here](#), but perspectives from clinicians in these articles point out that the quality of evidence still needs to be scrutinised before celebrating 'too early' and some tweeting about what this means for practice [here](#), with perspectives still continuing to emerge.