

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

### Temperature and humidity, methylprednisolone, in-flight transmission, viral loads

#### Peer reviewed journals featured:

- A systematic review on temperature and humidity and the spread of COVID-19 [here](#)
- A randomised controlled trial on methylprednisolone for severe COVID-19 [here](#)
- A review on the use of artificial intelligence in COVID-19 drug repurposing [here](#)
- A study on the association between corticosteroid therapy and viral clearance [here](#)
- An observational study of emergency department attendances in England during COVID-19 using syndromic surveillance [here](#)
- An observational study on the association between 25-hydroxyvitamin D levels and COVID-19 [here](#)
- A retrospective cohort study on telemedicine fracture clinics in Northern NSW [here](#)
- Two studies on in-flight transmission of COVID-19 [here](#) and [here](#)
- Statistical analysis on the association between quality ratings and COVID-19 outbreaks in nursing homes in West Virginia [here](#)
- A UK consensus management pathway for paediatric inflammatory multisystem syndrome [here](#)
- Two feature articles on fit testing personal protective equipment for dentists [here](#) and [here](#)

#### Letters and correspondence discussed:

- The response to COVID-19 in Uruguay [here](#)
- COVID-19 public health measures and respiratory syncytial virus at the Sydney Children's Hospitals Network [here](#)
- Safety and efficacy of the Russian COVID-19 vaccine [here](#)
- Measuring COVID-19 RNA in wastewater to track infection dynamics in Connecticut [here](#)

## Pre-peer review articles featured:

- A systematic review on COVID-19 viral loads by sample type, disease severity and time [here](#)
- A meta-analysis of the clinical performance of nucleic acid, antigen and antibody tests [here](#)
- A observation study of transmission of COVID-19 in a Dutch nursing home [here](#)
- A rapid systematic review of qualitative studies on barriers to social distancing [here](#)
- A national survey on adherence to the test, trace and isolate system in the UK [here](#)
- A cost-effectiveness analysis of strict lockdown versus flexible social distancing strategy in Denmark and Sweden [here](#)

## Reviews and reports

- The Cochrane Library updated its COVID-19 Special Collections on:
  - Evidence relevant to critical care [here](#)
  - Infection control and prevention measures [here](#)

## News and blogs

- A BMJ blog on giving local authorities control of COVID-19 testing and tracing in England [here](#)
- A statement from the Australian Health Protection Principal Committee (AHPPC) on boarding students and students living in border zones [here](#)

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