

Daily evidence digest

24 September 2021

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

Multisystem inflammatory syndrome in adults, phase 3 trials of Spikevax and Novavax, REGEN-COV antibody combination to prevent COVID-19

Peer reviewed journals featured:

- Systematic reviews on:
 - Multisystem inflammatory syndrome in adults [here](#)
 - Heparin-induced thrombocytopenia in COVID-19 patients [here](#)
 - Predictors of mortality in thrombotic thrombocytopenia after adenoviral vaccination [here](#)
- A meta-analysis on the effects of different corticosteroid therapy on severe COVID-19 patients [here](#)
- Phase 3 trials of Spikevax (Moderna) [here](#) and Novavax vaccines [here](#)
- A randomised controlled trial of REGEN-COV monoclonal antibodies to prevent COVID-19 [here](#)
- Observational studies on:
 - SARS-CoV-2 screening and environmental monitoring urban public school settings [here](#)
 - The effectiveness of mRNA vaccine among US healthcare personnel [here](#)
 - Diagnostic models for pulmonary embolism in COVID-19 patients [here](#)
 - Interpreting cell phone mobility data during COVID-19 [here](#)
 - Epidemiological characteristics of SARS-CoV-2 variants of concern [here](#)
- Editorials on:
 - COVID-19 vaccines for teenagers [here](#)
 - Greece's use of AI to curb COVID-19 [here](#)
- Commentary on using Health Data Research UK to help tackle COVID-19 [here](#)

Letters and correspondence discussed:

- Monoclonal antibody treatment in high-risk Native American COVID-19 patients [here](#)
- A randomised trial of a third dose of Spikevax (Moderna) vaccine in transplant recipients [here](#)
- Fractionating COVID-19 vaccines [here](#)
- The lesson of ivermectin [here](#)

Pre-peer review articles featured:

- The removal of airborne SARS-CoV-2 and other microbial bioaerosols by air filtration [here](#)
- Viral loads and patient profiles infected with Delta, Alpha, or R.1 variants in Tokyo [here](#)
- Comparative mRNA and ChAdOx1 vaccine effectiveness including early variants of concern [here](#)
- Impact of prior SARS-CoV-2 infection on post-vaccination SARS-CoV-2 spike IgG antibodies in healthcare workers [here](#)
- COVID-19 acceleration and vaccine status in France [here](#)
- Real-world clinical performance of SARS-CoV-2 point-of-care diagnostic tests [here](#)
- The Delta variant had a negligible impact on COVID-19 vaccine effectiveness in the US [here](#)

News and blogs

- COVID-19 testing moves out of the clinic and into the home [here](#)
- Costs of preventable COVID-19 hospitalisations during summer in the US exceed \$5 billion [here](#)
- A machine-learning algorithm to target COVID-19 testing of travellers [here](#)
- Increase in myopia reported among children during COVID-19 lockdown [here](#)
- NEJM audio interview on vaccine efficacy and boosters in COVID-19 [here](#)

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Living Evidence Tables

Living Evidence tables are up-to-date summaries of emerging evidence. Tables are available on [COVID-19 transmission](#), SARS-CoV-2 [vaccines](#), and [variants](#) of concern, [post-acute sequelae of COVID-19 \(PASC\)](#), [surgery and COVID-19](#), and [rapid testing](#).