

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

AstraZeneca single dose efficacy at 90 days, rate reduction in SARS-CoV-2 infection and COVID-19 post Pfizer vaccination, super-spreaders

Peer reviewed journals featured:

- Pooled analysis of four randomised trials of AZD1222 (AstraZeneca) vaccine, including standard single dose efficacy for up to 90 days after vaccination [here](#)
- Systematic reviews on:
 - The efficacy and safety of systematic corticosteroids for COVID-19 patients [here](#)
 - The impact of COVID-19 super-spreaders [here](#)
 - Neurological manifestations associated with COVID-19 [here](#)
 - Diagnostic performance of COVID-19 serological assays during early infection [here](#)
- A randomised controlled trial of ivermectin in 62 COVID19 patients in Lagos, Nigeria [here](#)
- A modelling study on the durability of immune responses in mild-moderate COVID-19 [here](#)
- Observational studies on:
 - The outcomes of a COVID-19 recovery program for hospitalised patients in New York [here](#)
 - The effects of the pandemic on physical and mental health in the UK [here](#)
 - Harnessing peak transmission around symptom onset for COVID-19 [here](#)
 - The impact of COVID-19 in hospitals and patients in the US [here](#)
- Commentary on:
 - Vaccine prioritisation strategies in Israel and European countries [here](#)
 - Sexual orientation, race/ethnicity, and prevalence of COVID-19 comorbidities [here](#)
 - Soothing science scepticism [here](#)
 - Vaccinating low risk health care employees in the US [here](#)
 - A large scale COVID-19 vaccination program in the US [here](#)
 - The direct and indirect effects of COVID-19 [here](#)
- Editorials on:
 - Prophylactic anticoagulation for patients in hospital with COVID-19 [here](#)
 - Under-reporting of SARS-CoV-2 in Africa [here](#)

Letters and correspondence discussed:

- Concerns about a delayed second dose of the BNT162b2 (Pfizer) vaccine [here](#)
- Case reports of side effects from BNT162b2 (Pfizer) vaccine– a recurrence of Bell's Palsy [here](#) and morbilliform rash [here](#)
- Responses to Oran and Topol's narrative review on the prevalence of asymptomatic SARS-CoV-2 infection [here](#), [here](#), [here](#), [here](#), [here](#), [here](#), and author's reply [here](#)
- The risks and impact of angiotensin-converting enzyme inhibitors or angiotensin-receptor blockers on SARS-CoV-2 infection in adults [here](#)
- Response to an article on serodiagnostics for SARS-CoV-2 [here](#) and author's reply [here](#)
- Vaccine prioritisation for people with diabetes [here](#) and with severe mental illness [here](#)
- The meaning of 95% COVID-19 vaccine efficacy [here](#)
- SARS-CoV-2 antigen rapid tests in public health responses [here](#)
- The need for a new COVID-19 social contract [here](#)
- Vaccination rates and acceptance of SARS-CoV-2 vaccination in US healthcare personnel [here](#)
- Severe relapse in an immunocompromised patient with persistent SARS-CoV-2 infection [here](#)
- Sequelae in adults at 6 months post-COVID-19 infection [here](#)
- Population subgroup differences in the use of a COVID-19 chatbot [here](#)
- The rationale to continue approving placebo-controlled COVID-19 vaccine trials [here](#)
- The risk of SARS-CoV-2 infection in patients with hypothyroidism and hyperthyroidism [here](#)
- Delayed-onset myocarditis following COVID-19 [here](#)

Pre-peer review articles featured:

- A cohort study of SARS-CoV-2 infection and COVID-19 in Pfizer vaccine recipients in Israel [here](#)
- An observational study of risk of failure in hotel quarantine in Australia and New Zealand [here](#)
- A survey-based study on changes in vaccine willingness in Australia [here](#)
- A cohort study on the duration of acute infection with B.1.1.7 variant (UK / Kent) [here](#)
- An observational study on the rise variant B.1.1.7 (UK / Kent) in the elderly in Israel [here](#)
- An evaluation on reusing N95 face mask during COVID-19 [here](#)
- An audit of CLABSI and CAUTI infections in US hospitals during the COVID-19 pandemic [here](#)

Guidance and reports

- The World Health Organization published its COVID-19 weekly epidemiological report [here](#)

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