

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

Duration of vaccine effectiveness, low-dose radiation therapy, frailty and COVID-19, cholecalciferol (vitamin D3) treatment

Peer reviewed journals featured:

- Systematic reviews on:
 - The duration of vaccine effectiveness against SARS-CoV-2 infection and COVID-19 disease [here](#) and associated commentary [here](#)
 - Effectiveness of low-dose radiation therapy in COVID-19 patients globally [here](#)
 - Association of frailty with increased in-hospital and 30-day mortality in COVID-19 patients [here](#)
- Randomised clinical trials of:
 - A single-oral bolus of 100,000 IU of cholecalciferol (vitamin D3) administered in COVID-19 patients at hospital admission [here](#)
 - Two-week methotrexate discontinuation in patients with rheumatoid arthritis vaccinated with CoronaVac vaccine [here](#)
- Observational studies on:
 - Association between severity of COVID-19 infection during pregnancy and neonatal outcomes [here](#)
 - Real-world serological responses to extended interval and heterologous mRNA vaccination in frail, older people (UNCoVER) [here](#)
 - The effect of school opening on diffusion of COVID-19 [here](#)
 - Effectiveness of a third dose of Comirnaty (Pfizer) in a large US health system [here](#)
- Commentary on:
 - Ending the legal requirement to self-isolate in England and risks to vulnerable people [here](#)
 - The removal free access to COVID-19 tests in the UK [here](#)
 - Continuing with transparent COVID-19 data until the WHO declares the pandemic is over [here](#)

Pre-peer review articles featured:

- Understanding the immunological landscape of England during Omicron variant wave [here](#)
- Occurrence and significance of Omicron BA.1 infection followed by BA.2 reinfection [here](#)
- Persisting pulmonary dysfunction in paediatric post-acute COVID-19 syndrome [here](#)
- At least three doses of leading vaccines for neutralisation of Omicron variant [here](#)
- Effect of four doses of inactivated COVID-19 vaccine on humoral immune responses targeting the Receptor Binding Domain [here](#)
- The effect of lopinavir/ritonavir, lopinavir/ritonavir plus IFN-beta-1a and hydroxychloroquine in hospitalised COVID-19 patients [here](#)
- Wastewater surveillance using ddPCR to track Omicron variant [here](#)

Guidance and reports

- The World Health Organization published:
 - A statement on Omicron sublineage BA.2 [here](#)
 - Updates to its COVID-19 vaccine tracker [here](#), COVID-19 epidemiological report [here](#), and operational report [here](#)

News and blogs

- Scientists and medics warn that it is too soon to lift all restrictions in England [here](#)
- Mexico City gave ivermectin kits to people with COVID-19 in “unethical” experiment [here](#)
- Widespread misinformation about infertility continues to create COVID-19 vaccine hesitancy [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](#), [rapid testing](#) and [risk mitigation strategies](#).