

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

This is our final COVID-19 Evidence Digest. We are transitioning the Digest to be more focused on significant advances and innovations in healthcare, rather than limited to the topic of COVID-19. To receive the new reformulated Digest weekly, please [subscribe](#).

Paxlovid, obesity and COVID-19 mortality correlations, COVID-19 detection from wearables

Peer reviewed journals featured:

- Randomised clinical trials of:
 - Nirmatrelvir (Paxlovid) and risk of hospital admission or death [here](#)
 - The effect of angiotensin-converting enzyme inhibitor and angiotensin receptor blocker initiation in hospitalised COVID-19 patients [here](#), [here](#) and [here](#)
- Observational studies on:
 - Prevalence and characteristics associated with post-COVID-19 condition in non-hospitalised adolescents and young adults [here](#)
 - Performance of antigen lateral flow devices [here](#)
 - Adverse events of special interest in 24 million COVID-19 patients [here](#)
 - Ethnic differences in cellular & humoral immune responses to COVID-19 vaccines [here](#)
 - Risk factors and vectors for SARS-CoV-2 household transmission [here](#) and [here](#)
 - Obesity and COVID-19 mortality correlations [here](#)
 - Long COVID identified from electronic health records and the RECOVER initiative [here](#)
 - Real-world effectiveness of monoclonal antibodies for COVID-19 treatment [here](#)
- Commentary on:
 - Effectiveness of non-pharmaceutical interventions [here](#)
 - Machine learning COVID-19 detection from wearables [here](#)
 - Support for clinicians with moral loss after the pandemic [here](#)
 - Drug repurposing and observational studies of antivirals for COVID-19 treatment [here](#)

Letters and correspondence discussed:

- Stroke, myocardial infarction, and pulmonary embolism after bivalent booster [here](#)
- SARS-CoV-2 neutralising antibodies after bivalent versus monovalent booster [here](#)

- Long-term outcomes in patients with COVID-19 supported with ECMO [here](#) and authors' reply [here](#)
- Definition of post-COVID-19 condition in published research studies [here](#) and commentary [here](#)
- Death risk in hospitalised US COVID-19 patients vs seasonal influenza in fall-winter 2022-2023 [here](#)
- Durability of bivalent boosters against Omicron subvariants [here](#)

Pre-peer review articles featured:

- Effect of glucocorticoids on the development of COVID-19-associated pulmonary aspergillosis [here](#)
- COVID-19-related adolescent mortality and morbidity in 19 European countries [here](#)
- Clinical Frailty Scale in predicting return-to-home in patients admitted due to COVID-19 [here](#)
- Viral and immunologic evaluation of smokers with severe COVID-19 [here](#)
- Humoral profiles of toddlers and young children following mRNA COVID-19 vaccination [here](#)
- Association between SARS-CoV-2 variants and post COVID-19 condition in Belgian adults [here](#)
- The association of COVID-19 with cognitive impairment [here](#)
- Performance in SARS-CoV-2 nucleic amplification testing [here](#)
- The benefit of COVID-19 vaccination after previous infection in aged 5–11-year-olds in the UK [here](#)
- Infants and young children antibody responses to SARS-CoV-2 infection [here](#)
- Incidence of symptoms associated with long COVID in non-hospitalised vaccinated patients receiving nirmatrelvir-ritonavir [here](#)
- Pre-infection neutralising antibodies, Omicron BA.5 breakthrough infection, and long COVID [here](#)
- Lower prevalence of post-COVID-19 condition following Omicron infection [here](#)
- The re-emergence of influenza following the COVID-19 pandemic in Victoria [here](#)
- Risk of adverse maternal and foetal outcomes associated with COVID-19 variants of concern [here](#)
- Long-term outcomes of COVID-19 infection in children and young people [here](#)

Guidance and reports

- The World Health Organization published:
 - A policy brief on COVID-19 surveillance [here](#)
 - Guidance on considerations for implementing and adjusting public health and social measures in the context of COVID-19 [here](#)
 - Its weekly COVID-19 epidemiological report [here](#)

News and blogs

- Cold virus provided cross-reactivity against SARS-CoV-2 in children [here](#)
- Stitching together the emotions of COVID-19 [here](#)
- Study reports no significant increase in deaths after vaccination but raises questions over AstraZeneca's vaccine [here](#)
- Updated WHO guidance for prioritising COVID-19 vaccines [here](#)