

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

Frailty and mortality risk, pausing methotrexate in older patients with rheumatic disease, antigenic evolution of SARS-CoV-2

Peer reviewed journals featured:

- Systematic reviews on:
 - The predictive value of frailty in the mortality of hospitalised COVID-19 patients [here](#)
 - COVID-19 vaccination among pregnant people in the US [here](#)
- Randomised clinical trials of:
 - Sotrovimab in high-risk COVID-19 patients [here](#)
 - Survival of hospitalised COVID-19 patients receiving atorvastatin [here](#)
- A narrative review on innate and adaptive immunity to the Comirnaty (Pfizer) vaccine [here](#)
- Observational studies on:
 - Pausing methotrexate to improve COVID-19 vaccine immunogenicity in elderly patients with rheumatic diseases [here](#)
 - Plasma proteomic and metabolomic profiles of COVID-19 survivors 6 months after discharge [here](#)
 - COVID-19 and resilience of healthcare systems in 10 countries [here](#)
 - Wearable sensors for continuous and highly sensitive monitoring of reactions to the Comirnaty (Pfizer) vaccine [here](#)
- Commentary on antigenic evolution and new SARS-CoV-2 variants [here](#)

Letters and correspondence discussed:

- Comparing human milk antibody response after 4 different COVID-19 vaccines [here](#)
- Building a pandemic supply chain [here](#)

Pre-peer review articles featured:

- COVID-19 vaccination in children and young people in the UK [here](#)
- Duration of mRNA vaccine protection against Omicron BA.1 and BA.2 subvariants in Qatar [here](#)
- SARS-CoV-2 infection risk factors after primary vaccination with Vaxzevria (AstraZeneca) or Comirnaty (Pfizer) and after mRNA booster [here](#)
- Serological testing of blood donors to characterise the impact of COVID-19 in Melbourne, 2020 [here](#)
- Vaccine effectiveness against severe COVID-19 in the elderly during the Omicron outbreak [here](#)

Guidance and reports

- The World Health Organization published:
 - A guide on strengthening COVID-19 vaccine demand and uptake in refugees and migrants [here](#)
- The US Centers for Disease Control and Prevention published a science brief on indicators for monitoring COVID-19 community levels and making public health recommendations [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](#).