

Daily evidence digest

9 December 2021

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

Protection from natural immunity vs vaccination, heterologous vaccination, global response to Omicron, breakthrough infections, Omicron and Pfizer

Peer reviewed journals featured:

- Systematic reviews on:
 - Protection from natural immunity vs vaccination [here](#)
 - SARS-CoV-2 infection and vaccination in rheumatic and musculoskeletal diseases [here](#)
 - Infection prevention and control interventions to prevent nosocomial SARS-CoV-2 transmission [here](#)
- Randomised controlled trials of:
 - Heterologous mRNA, viral-vector, and protein-adjuvant vaccines in the UK [here](#) and associated commentary [here](#)
 - High-flow oxygen therapy vs conventional oxygen therapy in severe COVID-19 patients [here](#)
- An editorial on the global response to Omicron [here](#)
- Commentary on:
 - Serial rapid antigen testing among hospital staff in Singapore [here](#)
 - SARS-CoV-2 breakthrough infections in vaccinated individuals [here](#)

Letters and correspondence discussed:

- Herpes zoster reactivation after Spikevax (Moderna) vaccination in rheumatic disease patients [here](#)
- Mandatory COVID-19 vaccination for healthcare workers [here](#)

Pre-peer review articles featured:

- Vaccine breakthrough infections during the Delta variant wave in France [here](#)
- Omicron escape from Comirnaty (Pfizer) elicited neutralisation, and ACE2 binding [here](#)

Guidance and reports

- The World Health Organization published:
 - Updated COVID-19 epidemiological report [here](#), COVID-19 vaccine tracker [here](#), and operational report [here](#)
 - A living guideline on therapeutics and COVID-19 [here](#)

News and blogs

- Will GPs boost the booster rollout? [here](#)
- “Mix and match” primary vaccines are safe and effective [here](#)
- What’s next for COVID’s viral evolution after Omicron [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](#).