

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

### Antibody evasion by Omicron subvariants, immunity and infectivity in COVID-19, ATAGI recommendation for a winter dose

#### Peer reviewed journals featured:

- Randomised clinical trials of:
  - High-dose dexamethasone and oxygen support strategies in ICU patients with severe COVID-19 acute hypoxemic respiratory failure [here](#)
  - Enoxaparin for primary thromboprophylaxis in symptomatic COVID-19 outpatients [here](#) and associated commentary [here](#)
- Narrative reviews on:
  - Immunity and infectivity in COVID-19 [here](#)
  - Disorders of gut-brain interaction in long COVID-19 [here](#)
  - Management of inflammatory bowel disease during COVID-19 [here](#)
  - Neuropsychiatric sequelae of COVID-19 [here](#)
- Observational studies on:
  - Antibody evasion by Omicron subvariants BA.2.12.1, BA.4, & BA.5 [here](#)
  - Effectiveness of Comirnaty (Pfizer) vaccine in children aged 5–11 years [here](#) and associated commentary [here](#)
  - Effectiveness of a fourth dose of mRNA vaccine vs Omicron in long term care [here](#)
  - Effects of previous infection and vaccination on symptomatic Omicron infections [here](#)
  - COVID-19 vaccine hesitancy using data from 23 countries [here](#)
  - SARS-CoV-2 detection in exhaled breath [here](#)
  - Association of Comirnaty (Pfizer) vaccine third dose receipt and incidence of SARS-CoV-2 infection in residents of long-term care facilities [here](#)
  - BMI and COVID-19 vaccination in England [here](#) and associated commentary [here](#)
  - Residual risk of severe COVID-19 after full vaccination [here](#)
  - Antinucleocapsid antibodies in Spikevax (Moderna) vaccinees with breakthrough infections [here](#)
  - Perceptions of providing and using rapid evidence in decision making in COVID-19 [here](#)
- Commentary on mitigating and managing COVID-19 conspiratorial beliefs [here](#)

## Letters and correspondence discussed:

- Omicron neutralisation from inactivated and ZF2001 vaccines [here](#)
- SARS-CoV-2 infection in patients with a history of VITT [here](#)
- Approaches to long COVID care from the US Veterans Health Administration [here](#)
- Leading causes of death in the US, March 2020 to October 2021 [here](#)
- Comirnaty (Pfizer) vaccination and long COVID after infections not requiring hospitalisation [here](#)

## Pre-peer review articles featured:

- Severity of Omicron and Delta infection among hospitalised adults [here](#)
- Protection from Omicron in residents of nursing and retirement homes in Ontario, Canada [here](#)
- Inflammation as a predictor of chronic fatigue, depression, and anxiety in long COVID [here](#)
- The decline of COVID-19 severity and lethality over two years of pandemic [here](#)
- Effectiveness of COVID-19 vaccines and monoclonal antibodies against long COVID [here](#)
- Differences in incubation-period and generation-intervals of the Delta and Omicron variants [here](#)

## Guidance and reports

- The World Health Organization published:
  - Updated guidance on contact tracing and quarantine in the context of COVID-19 [here](#)
  - Its weekly epidemiological report on COVID-19 [here](#)
- The Australian Technical Advisory Group on Immunisation (ATAGI) released updated recommendations for a winter dose of COVID-19 vaccine [here](#)
- The National COVID-19 Clinical Evidence Taskforce released updated recommendations and clinical flowcharts [here](#)

## News and blogs

- What should go into a booster shot for COVID-19? [here](#)
- Did COVID-19 vaccine mandates work? [here](#)
- Canada outperformed comparable nations in pandemic response [here](#)
- Sharp rise in COVID-19 infections seen across the UK [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 \(long COVID\)](#), [surgery and COVID-19](#), and [rapid testing](#).