

## Daily evidence digest

18 March 2022

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

### High-flow oxygen therapy and non-invasive ventilation, losartan treatment for inpatients, neutralisation of Omicron BA.1 and BA.2 variants

#### Peer reviewed journals featured:

- A systematic review on the comparison of high-flow nasal oxygen therapy and non-invasive ventilation in COVID-19 patients [here](#)
- A randomised clinical trial of losartan for inpatients with COVID-19–induced lung Injury [here](#)
- A phase 1-2 clinical trial on homologous and heterologous COVID-19 booster vaccinations [here](#)
- Observational studies on:
  - Sputnik V (Gamaleya), Vaxzevria (AstraZeneca), and BBIBP-CoV (Sinopharm) vaccines in people over 60 years old in Argentina [here](#) and associated commentary [here](#)
  - Mental health-related emergency department visits in the US [here](#)
- Commentary on monitoring and managing SARS-CoV-2 evolution in immunocompromised populations [here](#)

#### Letters and correspondence discussed:

- Neutralisation of Omicron BA.1 and BA.2 variants [here](#)
- Efficacy of a fourth dose of mRNA vaccine against Omicron [here](#)
- Omicron variant neutralisation after Spikevax (Moderna) booster [here](#)

#### Guidance and reports

- The World Health Organization published COVID-19 readiness checklist for emergency medical services and hospitals [here](#)

#### News and blogs

- NEJM audio interview on making COVID-19 vaccines effective [here](#)

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