

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

Thromboembolism risk with hormonal contraception, COVID-19 in children, using EMR to identify long COVID

Peer reviewed journals featured:

- A systematic review on thromboembolism risk in COVID-19 patients on hormonal contraception [here](#)
- An emulated randomised trial study on molnupiravir and risk of hospital admission or death [here](#)
- Narrative reviews on:
 - COVID-19 in children [here](#)
 - Angiotensin-converting enzyme 2 (ACE2) in COVID-19 pandemic [here](#)
- Observational studies on:
 - US public investment in development of mRNA COVID-19 vaccines [here](#) and [here](#)
 - Persistent symptoms post-COVID-19 in children aged 5-17 years in England [here](#)
 - Two-year follow-up of patients with post-COVID-19 condition in Sweden [here](#)
 - Structural brain changes in patients with post-COVID fatigue [here](#)
 - Preoperative COVID-19 and postoperative respiratory morbidity during Omicron [here](#)
 - One-year outcomes in US adults with post-COVID-19 condition [here](#) and editorial [here](#)
 - Myocarditis or pericarditis after Comirnaty (Pfizer) vaccination in adolescents [here](#)
 - Symptom and viral rebound in untreated SARS-CoV-2 infection [here](#)
 - Long-term gastrointestinal outcomes of COVID-19 [here](#)
 - Effectiveness of mRNA booster doses against Omicron severe outcomes [here](#)
 - Seasonal trends in COVID-19 cases, hospitalisations, and mortality [here](#)
- Editorials on:
 - WHO keeps COVID-19 a public health emergency of international concern [here](#)
 - Aged care residents would benefit from better control of COVID-19 transmission [here](#)
- A case report of a 70-year-old man with COVID-19, respiratory failure, and rashes [here](#)

Letters and correspondence discussed:

- Immunologic effect of bivalent mRNA booster in patients undergoing haemodialysis [here](#)
- Postpartum maternal mRNA vaccination and hospitalisation in infants younger than 6 months [here](#)
- Neutralisation of BQ.1, BQ.1.1, and XBB with RBD-Dimer vaccines [here](#)

Pre-peer review articles featured:

- Identifying long COVID using electronic health records in Scotland [here](#)
- Outpatient treatment of COVID-19 and the development of long COVID over 10 months [here](#)
- A case series of acute symptomatic hyponatremia due to SIADH in mild COVID-19 infection [here](#)
- COVID-19 infection and dementia in the UK [here](#)
- Barriers and facilitators in advance care planning implementation during COVID-19 [here](#)
- Age and sex-related comparison of telemedicine service utilisation during COVID-19 [here](#)
- COVID-19 associated cerebral microbleeds in the general population [here](#)
- Efficacy and safety of intravenous immunoglobulin treatment for COVID-19 patients [here](#)
- Fourth mRNA vaccination in immunocompromised patients [here](#) and [here](#)
- Quality of life and long COVID in the first 24 months after mild to moderate acute COVID-19 [here](#)
- SARS-CoV-2 in the human lung after COVID-19 onset [here](#)
- Viral kinetics of sequential SARS-CoV-2 infections [here](#)
- Association of nirmatrelvir/ritonavir (Paxlovid) treatment with long COVID symptoms in non-hospitalised people experiencing breakthrough SARS-CoV-2 infection in the Omicron era [here](#)
- Bivalent booster effectiveness against severe COVID-19 outcomes in Finland [here](#)
- Risk of cardiovascular events after COVID-19 in people with and without pre-existing chronic respiratory disease [here](#)
- SARS-CoV-2 mutations associated with resistance to monoclonal antibodies emerging after treatment [here](#)

Guidance and reports

- The World Health Organization published its weekly COVID-19 epidemiological report [here](#)
- The Therapeutic Goods Administration (TGA) released updates on the effectiveness of monoclonal antibodies against COVID-19 variants [here](#)

News and blogs

- Prior COVID-19 infection tied to lasting lung abnormalities [here](#)
- COVID-19 pill is first to cut short positive-test time after infection [here](#)
- US studies show racial and ethnic disparities in long COVID [here](#)
- COVID-19 vaccination reduces severity and duration of long COVID [here](#)
- Indoor air is full of flu and COVID-19 viruses [here](#)

[Click here](#) to subscribe to, or unsubscribe from, the Evidence Digest.