List of guidance from ECDC and recent publications on COVID-19

COVID-19 Digest
27 January 2022

🎉 ECDC Outputs

Recent publications

Assessment of the further spread and potential impact of the SARS-CoV-2 Omicron variant of concern in the EU/EEA, 19th update Risk Assessment – 27 Jan Read more »

Interim analysis of COVID-19 vaccine effectiveness against Severe Acute Respiratory Infection due to laboratory-confirmed SARS-CoV-2 among individuals aged 50 years and older, ECDC multi-country study – first update Technical report – 20 Jan Read more »


Rapid assessment of antigenic characterisation capability and capacity for SARS-CoV-2 viruses in EU/EEA laboratories Technical report – 20 Dec Read more »

Rapid Risk Assessment: Assessment of the further emergence of the SARS-CoV-2 Omicron VOC in the context of the ongoing Delta transmission in the EU/EEA, 18th update Risk Assessment – 15 Dec Read more »

Threat Assessment Brief: Implications of the further emergence and spread of the SARS-CoV-2 B.1.1.529 variant of concern (Omicron) for the EU/EEA – first update Risk Assessment – 02 Dec Read more »

Interim public health considerations for COVID-19 vaccination of children aged 5-11 years Technical report – 01 Dec Read more »

All ECDC COVID-19 updates Read more »

Situation updates on COVID-19

COVID-19 situation update for the EU/EEA: Includes an update on the number of cases and deaths and geographical distribution of 14-day notification rates for the EU/EEA. Read more »

COVID-19 situation update worldwide: Includes an update on the number of cases and deaths and geographical distribution of 14-day notification rates worldwide. Read more »

COVID-19 country overview: Provides an overview of the evolving epidemiological situation for the EU/EEA (including case/death notification rates, testing rates, test positivity, hospital and ICU occupancy/capacity per country). Read more »

Surveillance report on COVID-19: Includes information on severity and risk groups most affected for the EU/EEA,
as well as information on The European Surveillance System (TESSy) data quality and descriptions about national surveillance systems. Read more »

**Situation dashboard:** Interactive map with the latest available data on COVID-19 (worldwide). Read more »

**Vaccine tracker:** Real time data on national vaccine doses distribution and vaccine update within EU/EEA countries. Read more »

**Vaccine roll-out overview report:** This report complements the Vaccine tracker and provides an overview of the progress in the roll-out of COVID-19 vaccines in adults (aged 18 years and above) across EU/EEA Member States, incl. vaccine doses distributed and administered. Read more »

**Maps in support of the Council Recommendation** on a coordinated approach to the restriction of free movement in response to the COVID-19 pandemic in the EU/EEA. These maps are published every Thursday based on a number of different indicators. Read more »

**Response Measures Database** of ECDC and the Joint Research Centre (JRC) of the European Commission is a regularly updated archive of non-pharmaceutical interventions introduced by 30 countries in the EU/EEA. Read more »

**Updates on SARS-CoV-2 variants**

**SARS-CoV-2 variants of concern:** Overview of the different variants that are currently being considered of concern and of interest as assessed by ECDC. Read more »

**Variants of concern.** The ECDC country overview includes an own section on variants of concern. It includes e.g. a map of sequencing volume, variant data table and weekly variant distribution by country. Read more »

**Dashboard on SARS-CoV-2 variants.** This dashboard provides an overview of the proportion of variants of concern and variants of interest in EU/EEA Member States together with sequencing volumes and complements the ECDC country overview report. Read more »

**Download data on COVID-19**

Much of ECDC’s data can be downloaded from its website. This for instance includes, but is not limited to, reported number of cases and deaths, 14-day case notification rates, ICU and hospital admissions/occupancy, testing rates/positivity, vaccination data and response measures implemented in EU/EEA countries. Link to downloadable data»

**Infographics, Videos, Webinars and more**

**Infographics and leaflets about COVID-19** — Infographics, leaflets and posters on COVID-19. Read more »

**Videos on COVID-19** — What do we know about the COVID-19. Read more »

**ECDC Virtual Academy (EVA)** — COVID-19 Micro learning for public health professionals. Read more »

**Online micro learning activities on non-pharmaceutical countermeasures in relation to COVID-19.** E-learning course. Read more »

**Other ECDC Outputs**

**ECDC website on COVID-19** — Read more »

**ECDC case definition for COVID-19.** Read more »

Find the latest evidence on:

- [Coronaviruses](#)
- [Risk factors and risk groups](#)

Testing strategies for SARS-CoV-2 - Patients requiring diagnostic testing. Read more »

Preparedness for COVID-19 – Publications and guidance for preparedness planning. Read more »

Prevention and control of COVID-19 – how to protect yourself, risk groups, COVID-19 vaccination, patient and case management. Read more »

Q & A on COVID-19 – Questions and answers. Read more »

Recent peer-reviewed publications

Disclaimer: In view of the large number of COVID-19 related publications, this list is compiled based on a rapid review of titles and abstracts and subjective selection of peer-reviewed articles and does not include an additional qualitative assessment or critical appraisal of the evidence by ECDC.

1. Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa Nature Read more »
2. The Omicron variant is highly resistant against antibody-mediated neutralization: Implications for control of the COVID-19 pandemic Cell Read more »
3. Effect of Subcutaneous Casirivimab and Imdevimab Antibody Combination vs Placebo on Development of Symptomatic COVID-19 in Early Asymptomatic SARS-CoV-2 Infection: A Randomized Clinical Trial JAMA Read more »
4. Waning antibody levels after COVID-19 vaccination with mRNA Comirnaty and inactivated CoronaVac vaccines in blood donors, Hong Kong, April 2020 to October 2021 Eurosurveillance Read more »
5. Evolving mortality and clinical outcomes of hospitalized subjects during successive COVID-19 waves in Catalonia, Spain Glob Epidemiol Read more »
6. Training and redeployment of healthcare workers to intensive care units (ICUs) during the COVID-19 pandemic: a systematic review BMJ Open Read more »
7. Healthcare use in 700 000 children and adolescents for six months after covid-19: before and after register based cohort study BMJ Read more »
8. Measures implemented in the school setting to contain the COVID-19 pandemic: a rapid review Cochrane Database Syst Rev Read more »
10. Early assessment of the clinical severity of the SARS-CoV-2 omicron variant in South Africa: a data linkage study Lancet Read more »
11. Diagnostic accuracy of rapid point-of-care tests for diagnosis of current SARS-CoV-2 infections in children: a systematic review and meta-analysis BMJ Evid Based Med Read more »
12. Development of a risk assessment profile tool to determine appropriate use of SARS-CoV-2
rapid antigen detection tests for different activities and events in Ireland, since October 2021. Eurosurveillance Read more »

13. SARS-CoV-2 outbreaks in hospitals and long-term care facilities in Germany: a national observational study Eurosurve Nat Lancet Reg Health Read more »


16. Transmission from vaccinated individuals in a large SARS-CoV-2 Delta variant outbreak Cell Read more »

17. Association Between 3 Doses of mRNA COVID-19 Vaccine and Symptomatic Infection Caused by the SARS-CoV-2 Omicron and Delta Variants JAMA Read more »

18. Vaccination before or after SARS-CoV-2 infection leads to robust humoral response and antibodies that effectively neutralize variants Science Immunology Read more »


20. Long-term detection of SARS-CoV-2 antibodies after infection and risk of re-infection Int J Infect Dis Read more »

Additional Resources

Information from European Institutions, International Organisations and Centres for Disease Control and Prevention

European Union. Re-open EU: interactive tool with country information for travel and transportation Read more »

European Commission. Coronavirus response. Read more »

European Parliament. The EU's response to the coronavirus. Read more »

EU Healthy Gateways: Published guidance and reports for COVID-19

European Agency for Safety and Health (OSHA). COVID-19: Resources for the workplace: EU guidance, telework, resources from EU and international organisations. Read more »

European Food Safety Authority (EFSA). COVID-19. Read more »


European Monitoring Centre for Drugs and Drug Addition (EMCDDA). COVID-19 and drugs. Read more »

Health Systems Response Monitor: COVID-19 Health System Response Monitor designed in response to the COVID-19 outbreak to collect and organize up-to-date information on how countries are responding to the crisis

World Health Organization (WHO). Coronavirus disease (COVID-19) pandemic. Read more »

Food and Agriculture Organization of the UN (FAO): Novel Coronavirus. Read more »

African Centres of Disease Control and Prevention. Read more »

Public Health Agency of Canada. Read more »

Chinese Center for Disease Control and Prevention. Read more »
Israel Center for Disease Control, Ministry of Health. Read more »
Korea Disease Control and Prevention Agency. Read more »
Ministry of Health of Mexico. Read more »
UK Health Security Agency. Read more »
US Centers for Disease Control and Prevention. Read more »

COVID-19 information pages of EU/EEA Member States

Living Evidence Summaries

**COAP:** [COVID-19 Open Access Project](https://www.covid-19-open-access-project.org) from the Institute of Social and Preventive Medicine (ISP). This database is updated daily with published articles from Pubmed and EMBASE and with preprints from medRxiv and bioRxiv.

**COVID-END McMaster Health Forum:** living evidence syntheses on a variety of topics including efficacy and effectiveness of COVID-19 vaccines in the presence of variants of concern (VOCs).

**EPPI Centre:** [COVID-19](https://www.eppi普通的.if) a living systematic map of the evidence. Up-to-date map of the current evidence that are partitioned into broad domains for easy exploration.


**PregCOV-19LSR** by the University of Birmingham. Series of living systematic reviews (LSR) involving pregnant and postnatal women at risk, suspected, and diagnosed to have COVID-19 according to recommended methods. Read more »

**theBMJ:** Drug treatments for COVID-19: living systematic review and network meta-analysis

**WHO:** Living WHO guideline on drugs for COVID-19 (published by theBMJ)

Science Updates

**Centre for Evidence-Based Medicine CEBM:** [Oxford COVID-19 Evidence Service](https://www.cebmc.ox.ac.uk/covidservice). Rapid reviews of primary care questions relating to COVID-19.

**Cochrane:** [Cochrane Reviews](https://www.cochrane.org) and related content from the Cochrane Library relating to the COVID-19 pandemic.

**COVID Reference International:** Every day the “Top 10 scientific COVID-19 papers of the day” are presented. Also
provides multiple other useful links to literature. Read more »

Evidence Aid: Evidence Collection on Coronavirus (COVID-19). This evidence collection contains plain-language summaries of high-quality research which are available in English, and translated into French, Spanish, Portuguese, Arabic and Chinese (simplified and traditional).

Health Information and Quality Authority Ireland: COVID-19 Publications: Clinical evidence summaries and rapid reviews on various topics.

LitCovid: curated literature hub for tracking up-to-date scientific information about COVID-19. It is the most comprehensive resource on the subject, providing a central access a large number of relevant articles in PubMed.

US Centers for Disease Control and Prevention: COVID-19 Science Updates providing brief summaries of new COVID-19-related studies on many topics, including epidemiology, clinical treatment and management, laboratory science, and modeling. The summaries are released every Tuesday and Friday.

VA-ESP COVID-19 Reviews: U.S. Veterans’ Affairs (VA) Evidence Synthesis Program - Inventory of living systematic reviews and ‘rapid reviews’, with a flag for living reviews and for reviews meeting minimum quality standards

Wolters Kluwer: Clinical effectiveness COVID-19 Resources Available to All. View a categorized collection of all UpToDate COVID-19 content including clinical topics, algorithms, patient education and society guideline links.