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

COVID-19 Digest
05 May 2022

📚 ECDC Outputs

Recent publications

Public health considerations and evidence to support decisions on the implementation of a second mRNA COVID-19 vaccine booster dose Technical report – 28 Apr Read more »

Transitioning beyond the acute phase of the COVID-19 pandemic: Approaches and tools used by a sample of EU countries in the transition and de-escalation phase – interim report Technical report – 27 Apr Read more »

Overview of the implementation of COVID-19 vaccination strategies and deployment plans in the EU/EEA Technical report – 21 Apr Read more »

Joint statement from ECDC and EMA on the administration of a fourth dose of mRNA vaccines 06 Apr Read more »

Information to guide individual health assessment of refugees fleeing the war in Ukraine – Considerations for healthcare workers UNHCR, ECDC, IOM, WHO/Europe 06 Apr Read more »

Guidance for the prevention and control of COVID-19 in temporary reception centres in the context of the large numbers of people fleeing Ukraine Technical report – 18 Mar Read more »

Analysis of COVID-19 contact tracing data from Ireland, Italy and Spain – 2020 data Technical report – 15 Mar Read more »

Interim analysis of COVID-19 vaccine effectiveness against Severe Acute Respiratory Infection due to laboratory-confirmed SARS/CoV/2 among individuals aged 30 years and older, ECDC multi-country study – second update Technical report – 14 Mar Read more »

Operational public health considerations for the prevention and control of infectious diseases in the context of Russia’s aggression towards Ukraine 08 Mar 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, vaccination uptake at EU/EEA and country level). 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.
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»

Other ECDC Outputs

ECDC website on COVID-19 – Read more »

ECDC surveillance definitions for COVID-19. Read more »

Find the latest evidence on:

- Coronaviruses
- Risk factors and risk groups
- Transmission of COVID-19
- COVID-19 infection
- Clinical characteristics of COVID-19
- Diagnostic testing and screening for SARS-CoV-2
- Immune responses and immunity to SARS-CoV-2
- Treatment and pharmaceutical prophylaxis
- COVID-19 vaccines

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 aimed at public and lay audience – Questions and answers. Read more »

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 »
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. COVID-19 vaccine hesitancy in eight European countries: Prevalence, determinants, and heterogeneity *Sci Adv* Read more »
2. Data-driven prediction of COVID-19 cases in Germany for decision making *BMC Med Res Methodol* Read more »
3. Genomic and epidemiological report of the recombinant XJ lineage SARS-CoV-2 variant, detected in northern Finland, January 2022 *Euro Surveill* Read more »
4. Vaccine-induced and naturally-acquired protection against Omicron and Delta symptomatic infection and severe COVID-19 outcomes, France, December 2021 to January 2022 *Euro Surveill* Read more »
5. Risk of hospitalisation associated with infection with SARS-CoV-2 omicron variant versus delta variant in Denmark: an observational cohort study *Lancet Infect Dis* Read more »
6. Severity of omicron variant of concern and effectiveness of vaccine boosters against symptomatic disease in Scotland (EAVE II): a national cohort study with nested test-negative design *Lancet Infect Dis* Read more »
7. Challenges to evidence-informed decision-making in the context of pandemics: qualitative study of COVID-19 policy advisor perspectives *BMJ Glob Health* Read more »
9. Comparison of UK paediatric SARS-CoV-2 admissions across the first and second pandemic waves *Pediatr Res* Read more »
11. Rapid increase in SARS-CoV-2 seroprevalence during the emergence of Omicron variant, Finland *Eur J Clin Microbiol Infect Dis* Read more »
12. Immunogenicity of BNT162b2 vaccine booster against SARS-CoV-2 Delta and Omicron variants in nursing home residents: A prospective observational study in older adults aged from 68 to 98 years *Lancet Reg Health Eur* Read more »
13. Association of SARS-CoV-2 Infection During Pregnancy With Maternal and Perinatal Outcomes *JAMA* Read more »
14. Factors Associated with Non-Severe Adverse Reactions after Vaccination against SARS-CoV-2: A Cohort Study of 908,869 Outpatient Vaccinations in Germany *Vaccines* Read more »
15. Trends and associated factors for Covid-19 hospitalisation and fatality risk in 2.3 million adults in England *Nat Commun* Read more »
16. Seroprevalence of SARS-CoV-2 in German secondary schools from October 2020 to July 2021: a longitudinal study *Infection* Read more »
17. Durability of BNT162b2 vaccine against hospital and emergency department admissions due to the omicron and delta variants in a large health system in the USA: a test-negative case-control study *Lancet Respir Med* Read more »
18. Transmission of severe acute respiratory coronavirus virus 2 (SARS-CoV-2) between hospital workers and members of their household: Nationwide, registry-based, cohort study from Norway *Infect Control Hosp Epidemiol* Read more »
19. SARS-CoV-2 Vaccination and Myocarditis in a Nordic Cohort Study of 23 Million Residents *JAMA Cardiol* Read more »
20. Impact of population mixing between vaccinated and unvaccinated subpopulations on infectious disease dynamics: implications for SARS-CoV-2 transmission *CMAJ* 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 Medicines Agency (EMA):** Treatments and vaccines for COVID-19. [Latest updates on COVID-19](#)

**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

- Austria
- Belgium
- Bulgaria
- Croatia
- Cyprus
- Czechia
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Iceland
- Ireland
- Italy
- Latvia
- Liechtenstein
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
**Living Evidence Summaries**

**COAP:** [COVID-19 Open Access Project](https://coap.ispm.unibe.ch) from the Institute of Social and Preventive Medicine (ISPM). 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://eppi.ioe.ac.uk/) a living systematic map of the evidence. Up-to-date map of the current evidence that are partitioned into broad domains for easy exploration.

**MAGIC project (MAGIC Evidence Ecosystem Foundation, theBMJ, WHO):** Drug treatments for COVID-19 living systematic review and network meta-analysis and a living WHO guideline on drugs for COVID-19.


**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 »](https://www.researchgate.net/publication/349544129)

**WHO:** [Living WHO guideline on drugs for COVID-19](https://www.who.int/publications/m/item/oecd-covid-19-drugs) (published by theBMJ)

**Science Updates**

**Centre for Evidence-Based Medicine CEBM:** [Oxford COVID-19 Evidence Service](https://cebm.oxford.university). Rapid reviews of primary care questions relating to COVID-19.

**Cochrane:** [Cochrane Reviews](https://www.cochranelibrary.com/cochrane-library/) 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 »](https://www.covid-reference.com)

**Evidence Aid:** [Evidence Collection](https://evidenced.com/) 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](https://www.hiqai.ie/). Clinical evidence summaries and rapid reviews on various topics.

**LitCovid:** [curated literature hub](https://www.litcovid.org/) for tracking up-to-date scientific information about COVID-19. It is the most comprehensive resource on the subject, providing a central access to a large number of relevant articles in PubMed.

**US Centers for Disease Control and Prevention:** [COVID-19 Science Updates](https://www.cdc.gov/coronavirus/2019-ncov/science/science-updates.html) 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](https://www.esphq.org/) - 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](https://www.wolterskluwer.com/covid-19). View a categorized collection of all UpToDate COVID-19 content including clinical topics, algorithms, patient education and society guideline links.

**World Health Organization:** [COVID-19 Global literature on coronavirus disease](https://www.who.int/). Literature database.