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

COVID-19 Digest
15 December 2022

📚 ECDC Outputs

Recent publications

- Antiviral resistance monitoring capability and capacity for SARS-CoV-2 and influenza within the EU/EEA
  Technical report — 15 Dec Read more »

- ECDC expert consultation on the implementation and evaluation of non-pharmaceutical interventions
  Technical report — 14 Dec Read more »

- Integrated respiratory virus surveillance RESPISERVE and RESPISURV data sets Reporting Protocol Version 1.2 13 Dec Read more »

- Coronavirus disease 2019 (COVID-19) data Reporting Protocol Version 6.2 13 Dec Read more »

- Intensified circulation of respiratory syncytial virus (RSV) and associated hospital burden in the EU/EEA
  Risk assessment — 12 Dec Read more »

- Joint EC, WHO and ECDC statement: Influenza season epidemic kicks off early in Europe as concerns over RSV rise and COVID-19 is still a threat 01 Dec Read more »


- Generic protocol for ECDC studies of COVID-19 vaccine effectiveness against confirmed SARS-CoV-2 using healthcare worker cohorts, version 2.0 Technical report — 21 Nov Read more »

- Interim analysis of COVID-19 vaccine effectiveness against Severe Acute Respiratory Infection due to SARS-CoV-2 in individuals aged 20 years and older – third update Technical report — 08 Nov Read more »

Situation updates on COVID-19

- Joint ECDC-WHO Regional Office for Europe Weekly COVID-19 Surveillance Bulletin 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 »

COVID-19 situation update worldwide – DISCONTINUED as of 20 June 2022: You can still access the archived worldwide data on the number of cases and deaths and geographical distribution of 14-day notification rates. Read more »

For updates, please refer to the World Health Organization (WHO) data on COVID-19 and the WHO Weekly Epidemiological and Weekly Operational Updates page for the non-EU/EEA countries.

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

DISCONTINUED as of 01 November 2022

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

Data on SARS-CoV-2 variants in the EU/EEA. The downloadable data file contains information about the volume of COVID-19 sequencing, the number and percentage distribution of variants of concern (VOC) by week and country. 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 »

Note that the following pages are no longer updated. A COVID-19 fact sheet will be published in the first quarter of 2023:

- Coronaviruses
- Risk factors and risk groups
- COVID-19 infection
- SARS-CoV-2 in children
- 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 »
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. Public misperceptions of COVID-19 vaccine effectiveness and waning: experimental evidence from Ireland Public Health Read more »
3. Menstrual disturbances in 12- to 15-year-old girls after one dose of COVID-19 Comirnaty vaccine: Population-based cohort study in Norway Vaccine Read more »
5. Relative contribution of essential and non-essential activities to SARS-CoV-2 transmission following the lifting of public health restrictions in England and Wales Epidemiology and infection Read more »
6. Myocarditis and pericarditis associated with SARS-CoV-2 vaccines: A population-based descriptive cohort and a nested self-controlled risk interval study using electronic health care data from four European countries Front Pharmacol Read more »
7. Effectiveness of BNT162b2 COVID-19 vaccination in prevention of hospitalisations and severe disease in adults with SARS-CoV-2 Delta (B.1.617.2) and Omicron (B.1.1.529) variant between June 2021 and July 2022: A prospective test negative case-control study Lancet Reg Health Eur Read more »
8. Natural course of health and well-being in non-hospitalised children and young people after testing for SARS-CoV-2: A prospective follow-up study over 12 months Lancet Reg Health Eur Read more »
9. Serial cross-sectional estimation of vaccine-and infection-induced SARS-CoV-2 seroprevalence in British Columbia, Canada CMAJ Read more »
10. Effectiveness of vaccines in preventing hospitalization due to COVID-19: A multicenter hospital-based case-control study, Germany, June 2021 to January 2022 Vaccine Read more »
11. Hybrid immunity and protection against infection during the Omicron wave in Malta Emerg Microbes Infect Read more »
12. Experience with Sotrovimab treatment of SARS-CoV-2 infected patients in Denmark Br J Clin Pharmacol Read more »
13. Decline of RSV-specific antibodies during the COVID-19 pandemic Lancet Infect Dis Read more »
14. Effectiveness of BNT162b2 and CoronaVac COVID-19 vaccination against asymptomatic and symptomatic infection of SARS-CoV-2 omicron BA.2 in Hong Kong: a prospective cohort study Lancet Infect Dis Read more »
17. Impact of the COVID-19 Vaccination Program on case incidence, emergency department visits, and hospital admissions among children aged 5-17 Years during the Delta and Omicron Periods-United States, December 2020 to April 2022 PLoS One Read more »
18. The WHO estimates of excess mortality associated with the COVID-19 pandemic Nature 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.ifi.ethz.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. *(NOTE: last update Feb 2022, no longer updated)*

**COVID-19 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): 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

**WHO living guidelines** on therapeutics, drugs to prevent COVID-19 and clinical management of COVID-19 patients


**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 » *(NOTE: last update April 2021)*

Science Updates

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

**Cochrane:** [Cochrane Reviews](https) 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 » *(NOTE: last update Jan 2022, no longer updated)*

**Evidence Aid:** [Evidence Collection](https) 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): 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](https) 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. *(NOTE: last update Dec 2021, no longer updated)*

**VA-ESP COVID-19 Reviews:** [U.S. Veterans’ Affairs (VA) Evidence Synthesis Program](https) - 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.

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