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

COVID-19 Digest
02 June 2022

ECDC Outputs

Recent publications

Epidemiological update: SARS-CoV-2 Omicron sub-lineages BA.4 and BA.5 13 May Read more »


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 »

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. 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

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. Institutions matter: The impact of the covid-19 pandemic on the political trust of young Europeans J Reg Sci Read more »
2. Trends in social exposure to SARS-Cov-2 in France. Evidence from the national socio-epidemiological cohort-EPICOV PLoS One Read more »
3. Determinants of the Hesitancy toward COVID-19 Vaccination in Eastern European Countries and the Relationship with Health and Vaccine Literacy: A Literature Review Vaccines Read more »
4. Payments and freedoms: Effects of monetary and legal incentives on COVID-19 vaccination intentions in Germany PLoS One Read more »
5. SARS-CoV-2 variant trends in Ireland: Wastewater-based epidemiology and clinical surveillance Sci Total Environ Read more »
7. mRNA vaccine effectiveness against hospitalisation due to severe acute respiratory infection (SARI) COVID-19 during Omicron variant predominance estimated from real-world surveillance data, Slovenia, February to March 2022  Euro Surveill Read more »
8. Risk and protective factors for SARS-CoV-2 reinfections, surveillance data, Italy, August 2021 to March 2022  Euro Surveill Read more »
9. Twin peaks: The Omicron SARS-CoV-2 BA.1 and BA.2 epidemics in England  Science Read more »
10. Severity and Incidence of Multisystem Inflammatory Syndrome in Children During 3 SARS-CoV-2 Pandemic Waves in Israel  JAMA Read more »
11. COVID-19 mRNA vaccine in pregnancy: Results of the Swiss COVI-PREG registry, an observational prospective cohort study  Lancet Reg Health Eur Read more »
12. Willingness to receive an annual COVID-19 booster vaccine in the German-speaking D-A-CH region in Europe: A cross-sectional study  Lancet Reg Health Eur Read more »
13. Detection of SARS-CoV-2 in young children attending day-care centres in Belgium, May 2020 to February 2022  Euro Surveill Read more »
14. Short term, relative effectiveness of four doses versus three doses of BNT162b2 vaccine in people aged 60 years and older in Israel: retrospective, test negative, case-control study  BMJ Read more »
15. Effectiveness of complete primary vaccination against COVID-19 at primary care and community level during predominant Delta circulation in Europe: multicentre analysis, I-MOVE-COVID-19 and ECDC networks, July to August 2021  Euro Surveill Read more »
16. Effectiveness of heterologous and homologous covid-19 vaccine regimens: living systematic review with network meta-analysis  BMJ Read more »
17. Occurrence and transmission potential of asymptomatic and presymptomatic SARS-CoV-2 infections: Update of a living systematic review and meta-analysis  PLoS Med Read more »
18. Long COVID after breakthrough SARS-CoV-2 infection  Nat Med Read more »
19. Analyzing and Modeling the Spread of SARS-CoV-2 Omicron Lineages BA.1 and BA.2, France, September 2021-February 2022  Emerg 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

Austria »
Belgium »
Bulgaria »
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 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: 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 »

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

Science Updates


Cochrane: Cochrane Reviews 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.