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

Weekly Digest
7 August 2020

📚 ECDC Outputs

Publications


ECDC has a dedicated page with all scientific advice publications. Read more »

Translated guidance and infographics on COVID-19. Available in 26 languages. Read more »

Current ECDC activities and upcoming technical publications

Rapid Risk Assessment on resurgence of cases
Since the beginning of the pandemic up to 7 August 2020, EU/EEA countries and the UK have reported 1 793 680 cases and 183 409 deaths. As reported elsewhere, ECDC continues to receive signals of resurgence of observed cases or large local outbreaks in several Member States following the gradual ease of imposed confinement measures. ECDC continues to monitor the underlying epidemiological situation in the EU/EEA and globally and provide daily updates on current progress of the epidemic. An updated rapid risk assessment will be available in week 33.

Technical report on local outbreaks in the EU/EEA linked to occupational settings

Over the course of the epidemic, and particularly in recent months, several local outbreaks have been associated with occupational settings like meat processing plants and mines. ECDC has prepared a technical report that describes COVID-19 clusters and outbreaks in the EU/EEA and the UK linked to occupational settings, and identifies possible factors contributing to transmission in these settings. The document is currently undergoing review by the Member States, and is planned to be published in week 33.

Technical documents on a) Transmission in children and role of school settings, and b) Guidance on testing strategies in schools
The opening of schools and other educational settings raises questions about the role of children and school settings in transmission and the possible risks to students and staff for infection and disease. In advance of schools reconvening after summer recess, ECDC, in conjunction with the Member States, have prepared two technical documents with a focus on school settings:

- An assessment of the scientific evidence and surveillance data on COVID-19 in children and the role of school settings in COVID-19 transmission, published on ECDC website, and
- Testing for COVID-19 in school settings, to be published week 33 on ECDC website.

**Situation updates on COVID-19**

Daily situation update for the EU/EEA and the UK. [Read more »]

Daily situation update worldwide. [Read more »]

Situation dashboard: Interactive map with the latest available data on COVID-19. [Read more »]

Weekly COVID-19 country overview. [Read more »]

Weekly surveillance report on COVID-19. [Read more »]

COVID-19 data: Download today’s data, data collection, sources (Worldwide, EU/EEA and UK regional data) and interpretation of data. [Read more »]

Current risk assessment on COVID-19. [Read more »]

**Latest evidence, Preparedness, Surveillance, Testing strategies, Laboratory support**

**Latest Evidence on COVID-19** — General background of SARS-CoV-2, epidemiology, transmission, clinical characteristics, diagnostic testing and screening, immune responses and immunity, vaccines and treatment. Latest update 30 June. [Read more »]

**Prevention and control** — measures, monitoring of response activities, patient and case management. [Read more »]

**EU level surveillance of COVID19** - Case definition, surveillance definitions, surveillance and study protocols. [Read more »]

**Preparedness for COVID-19** — Publications and guidance for preparedness planning. [Read more »]

**Testing strategies** - Patients requiring diagnostic testing. Last updated 29 May 2020. [Read more »]

**Laboratory support** — Laboratory support by specialized laboratories in the EU/EEA. [Read more »]

**Facts about COVID-19**

**Q & A on COVID-19** — Questions and answers. [Read more »]

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

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

**Webinars and Podcasts on COVID-19** — Webinars and discussions on COVID-19. [Read more »]

**Event background** - An overview on the origin of the cases of COVID-19 infection. [Read more »]

**Training**

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

**Important publications**

**Peer-reviewed and important publications**

This list is based on a selection from 1513 articles published from 29 July to 5 August.

2. Impact of lockdown on COVID-19 epidemic in Ile-de-France and possible exit strategies. BMC Med
3. The Impact of Mutations in SARS-CoV-2 Spike on Viral Infectivity and Antigenicity. Cell
4. SARS-CoV-2 and Guillain-Barre syndrome: molecular mimicry with human heat shock proteins as potential pathogenic mechanism. Cell Stress Chaperones
7. SARS-CoV-2 detection in different respiratory sites: A systematic review and meta-analysis. EBioMedicine
11. Age-specific SARS-CoV-2 infection fatality ratio and associated risk factors, Italy, February to April 2020. Eurosurveillance
19. A study of SARS-CoV-2 epidemiology in Italy: from early days to secondary effects after social distancing. Infect Dis
20. Association between ABO blood groups and COVID-19 infection, severity and demise: A
A systematic review of re-detectable positive virus nucleic acid among COVID-19 patients in recovery phase. Infect Genet Evol


Increased risk of SARS-CoV-2 infections in staff working across different care homes enhanced COVID-19 outbreak investigations in London care homes. J Infect

Large-scale, molecular and serological SARS-CoV-2 screening of healthcare workers in a 4-site public hospital in Belgium after COVID-19 outbreak. J Infect

Prospective study comparing deep-throat saliva with other respiratory tract specimens in the diagnosis of novel coronavirus disease (COVID-19). J Infect Dis


Immunity passports to travel during the COVID-19 pandemic: controversies and public health risks. J Public Health (Oxf)

Association Between State-wide School Closure and COVID-19 Incidence and Mortality in the US. JAMA

Assessment of SARS-CoV-2 Screening Strategies to Permit the Safe Reopening of College Campuses in the United States. JAMA Network Open

Comparison of Face-Touching Behaviours Before and During the Coronavirus Disease 2019 Pandemic. JAMA Network Open

STROBE-metagenomics: a STROBE extension statement to guide the reporting of metagenomics studies. Lancet Infect Dis


SARS-CoV-2 Transmission and Infection Among Attendees of an Overnight Camp — Georgia, June 2020. MMWR Morb Mortal Wkly Rep

Reopening Primary Schools during the Pandemic. N Engl J Med


Enacting national social distancing policies corresponds with dramatic reduction in COVID19 infection rates. PLoS One


A data-driven model to describe and forecast the dynamics of COVID-19 transmission. PLoS One

Timing social distancing to avert unmanageable COVID-19 hospital surges. Proc Natl Acad Sci U S A

Social distancing responses to COVID-19 emergency declarations strongly differentiated by income. Proc Natl Acad Sci U S A

Secondary Attack Rate of COVID-19 in household contacts: Systematic review. QJM: An
47. Determining the optimal strategy for reopening schools, the impact of test and trace interventions, and the risk of occurrence of a second COVID-19 epidemic wave in the UK: a modelling study. The Lancet Child & Adolescent Health

48. Using serological data to understand unobserved SARS-CoV-2 risk in health-care settings. The Lancet Infectious Diseases

49. Immunogenic SARS-CoV-2 Epitopes: In Silico Study Towards Better Understanding of COVID-19 Disease-Paving the Way for Vaccine Development. Vaccines (Basel)

50. Characteristics of asymptomatic COVID-19 infection and progression: a multicentre, retrospective study. Virulence

**Additional Resources/Documents**


Threat Reports App

WHO – [website on COVID-19](https://www.who.int/en)

China joint mission on Coronavirus Disease 2019 (COVID-19)

COVID-2019 situation reports

WHO mass gathering COVID-19 risk assessment tool – Generic events. July 2020 update


European Union – [Re-open EU: interactive tool with country information for travel and transportation](https://reopen.europa.eu/)


EU-supported coronavirus research and innovation


ECML Covid – [European Crisis Management Laboratory with measures database, GitHub data repository and documents](https://ecml.eu)

EU Healthy Gateways – [Published guidance and reports for COVID-19](https://ec.europa.eu/health/supporting-tools/eu-healthy-gateways_en)


Latest updates on COVID-19, Treatments and vaccines for COVID-19. July update


COVID-19 resources for the workplace: EU guidance, telework


UN Department of Economic and Social Affairs. Global statistics, data solutions, guidance and tools

UN Environment Programme: UNEP’s Covid-19 updates

UNICEF – COVID-19 Information Centre

UNESCO – COVID-19 Response and resources


FAO - COVID-19 policy tools. Exposure of humans or animals to SARS-CoV-2 from wild, livestock, companion and aquatic animals. [Qualitative exposure assessment](https://www.fao.org/services/covid-19/qualitative-exposure-assessment/en/)

HTAi: [Health Technology Assessment International](https://www.htai.org) – HTAi COVID-19 Response.

**COVID-19 Online Libraries and search engines**
LitCovid: curated literature hub for tracking up-to-date scientific information about COVID-19.
EPPI Centre: COVID-19: a living systematic map of the evidence.
Cochrane: Special collections on COVID-19.
Evidence Aid: Evidence Collection on Coronavirus (COVID-19).
UpToDate: Clinical effectiveness COVID-19 resources available to all
VA-ESP COVID19 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.
theBMJ: Drug treatments for covid-19: living systematic review and network meta-analysis.
COVID-AMR: Secondary infections, antibiotic chemotherapy and AMR in the context of COVID-19
COVID-19 Smart Search Engine: database with references selected by the WHO Global research list.