



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

Weekly Digest  
7 August 2020

## ECDC Outputs

### Publications

**COVID-19 in children and the role of school settings in COVID-19 transmission.** Technical guidance – 10 August 2020. [Read more »](#)

**Infographic: COVID-19 in children and the role of schools.** Infographic – 6 August 2020. [Read more »](#)

**Seasonal influenza - Annual Epidemiological Report for 2019–2020.** Surveillance report – 6 August 2020. [Read more »](#)

**Communicable disease threats report, 26 July - 1 August 2020, week 31.** Communicable Disease Threats Report (CDTR) – 31 July 2020. [Read more »](#)

**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. [From 3 August 2020. Read more »](#)

Weekly surveillance report on COVID-19. [From 1 August 2020. 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. [From 11 June 2020. 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](#)

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**Online micro learning activities on non-pharmaceutical countermeasures in relation to COVID-19.** Event E-learning course. 20 Feb 2020 - 31 Dec 2020. [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.

1. Austrian study shows that delays in accessing acute paediatric healthcare outweighed the risks of COVID-19. *Acta Paediatr* [Read more](#)  
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2. Impact of lockdown on COVID-19 epidemic in Ile-de-France and possible exit strategies. *BMC Med* [Read more](#)  
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3. [Read more](#)  
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4. The Impact of Mutations in SARS-CoV-2 Spike on Viral Infectivity and Antigenicity. *Cell* [Read more](#)  
»
5. SARS-CoV-2 and Guillain-Barre syndrome: molecular mimicry with human heat shock proteins as potential pathogenic mechanism. *Cell Stress Chaperones* [Read more](#)  
»
6. Relationship between the ABO Blood Group and the COVID-19 Susceptibility. *Clin Infect Dis* [Read more](#)  
»
7. Coronavirus Disease 2019 (COVID-19) Outbreak in a San Francisco Homeless Shelter. *Clin Infect Dis* [Read more](#)  
»
8. SARS-CoV-2 detection in different respiratory sites: A systematic review and meta-analysis. *EBioMedicine* [Read more](#)  
»
9. [Read more](#)  
»
10. Differential Tropism of SARS-CoV and SARS-CoV-2 in Bat Cells. *Emerg Infect Dis* [Read more](#)  
»
11. Universal screening for SARS-CoV-2 in pregnant women at term admitted to an East London maternity unit. *Eur J Obstet Gynecol Reprod Biol* [Read more](#)  
»
12. Maternal COVID-19 infection, clinical characteristics, pregnancy, and neonatal outcome: A prospective cohort study. *Eur J Obstet Gynecol Reprod Biol* [Read more](#)  
»
13. Age-specific SARS-CoV-2 infection fatality ratio and associated risk factors, Italy, February to April 2020. *Eurosurveillance* [Read more](#)  
»
14. Repeated leftover serosurvey of SARS-CoV-2 IgG antibodies, Greece, March and April 2020. *Eurosurveillance* [Read more](#)  
»
15. [Read more](#)  
»
16. Cell-Mediated Immune Responses to COVID-19 Infection. *Front Immunol* [Read more](#)  
»
17. In-Depth Bioinformatic Analyses of Nidovirales Including Human SARS-CoV-2, SARS-CoV, MERS-CoV Viruses Suggest Important Roles of Non-canonical Nucleic Acid Structures in Their Lifecycles. *Front Microbiol* [Read more](#)  
»
18. [Read more](#)  
»
19. Clinical Characteristics of Children With COVID-19: A Meta-Analysis. *Front Pediatr* [Read more](#)  
»
20. COVID-19 (SARS-CoV-2) Infection in Pregnancy: A Systematic Review. *Gynecol Obstet Invest* [Read more](#)  
»
21. Decontamination and reuse of surgical masks and N95 filtering face piece respirators during COVID-19 pandemic: a systematic review. *Infect Control Hosp Epidemiol* [Read more](#)  
»
22. Seroprevalence of SARS-CoV-2 Antibodies Among Healthcare Workers With Differing Levels of COVID-19 Patient Exposure. *Infect Control Hosp Epidemiol* [Read more](#)  
»
23. A study of SARS-CoV-2 epidemiology in Italy: from early days to secondary effects after social distancing. *Infect Dis* [Read more](#)  
»
24. Association between ABO blood groups and COVID-19 infection, severity and demise: A

- systematic review and meta-analysis. *Infect Genet Evol* [»](#)
21. A systematic review of re-detectable positive virus nucleic acid among COVID-19 patients in recovery phase. *Infect Genet Evol* [Read more](#) [»](#)
  22. Assessment of COVID-19 Waste Flows During the Emergency State in Romania and Related Public Health and Environmental Concerns. *Int J Environ Res Public Health* [Read more](#) [»](#)
  23. A potentially effective treatment for COVID-19: A systematic review and meta-analysis of convalescent plasma therapy in treating severe infectious disease. *Int J Infect Dis* [Read more](#) [»](#)
  24. Predictive molecular pathology in the time of coronavirus disease (COVID-19) in Europe. *J Clin Pathol* [Read more](#) [»](#)
  25. 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* [Read more](#) [»](#)
  26. 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* [Read more](#) [»](#)
  27. Prospective study comparing deep-throat saliva with other respiratory tract specimens in the diagnosis of novel coronavirus disease (COVID-19). *J Infect Dis* [Read more](#) [»](#)
  28. Immune response in COVID-19: A review. *J Infect Public Health* [Read more](#) [»](#)
  29. Longitudinal epidemiology of human coronavirus OC43 in Yamagata, Japan, 2010-2017: two groups based on spike gene appear one after another. *J Med Virol* [Read more](#) [»](#)
  30. Immunity passports to travel during the COVID-19 pandemic: controversies and public health risks. *J Public Health (Oxf)* [Read more](#) [»](#)
  31. Association Between State-wide School Closure and COVID-19 Incidence and Mortality in the US. *JAMA* [Read more](#) [»](#)
  32. Assessment of SARS-CoV-2 Screening Strategies to Permit the Safe Reopening of College Campuses in the United States. *JAMA Netw Open* [Read more](#) [»](#)
  33. Comparison of Face-Touching Behaviours Before and During the Coronavirus Disease 2019 Pandemic. *JAMA Network Open* [Read more](#) [»](#)
  34. STROBE-metagenomics: a STROBE extension statement to guide the reporting of metagenomics studies. *Lancet Infect Dis* [Read more](#) [»](#)
  35. The role of cytokine profile and lymphocyte subsets in the severity of coronavirus disease 2019 (COVID-19): A systematic review and meta-analysis. *Life Sci* [Read more](#) [»](#)
  36. Symptom Duration and Risk Factors for Delayed Return to Usual Health Among Outpatients with COVID-19 in a Multistate Health Care Systems Network - United States, March-June 2020. *MMWR Morb Mortal Wkly Rep* [Read more](#) [»](#)
  37. SARS-CoV-2 Transmission and Infection Among Attendees of an Overnight Camp — Georgia, June 2020. *MMWR Morb Mortal Wkly Rep* [Read more](#) [»](#)
  38. Reopening Primary Schools during the Pandemic. *N Engl J Med* [Read more](#) [»](#)
  39. Partitioning the Curve — Interstate Travel Restrictions During the Covid-19 Pandemic. *N Engl J Med* [Read more](#) [»](#)
  40. Possible Coronavirus Disease 2019 Pandemic and Pregnancy: Vertical Transmission Is Not Excluded. *Pediatr Infect Dis J* [Read more](#) [»](#)
  41. Enacting national social distancing policies corresponds with dramatic reduction in COVID19 infection rates. *PLoS One* [Read more](#) [»](#)
  42. Prediction model and risk scores of ICU admission and mortality in COVID-19. *PLoS One* [Read more](#) [»](#)
  43. A data-driven model to describe and forecast the dynamics of COVID-19 transmission. *PLoS One* [Read more](#) [»](#)
  44. Timing social distancing to avert unmanageable COVID-19 hospital surges. *Proc Natl Acad Sci U S A* [Read more](#) [»](#)
  45. Social distancing responses to COVID-19 emergency declarations strongly differentiated by income. *Proc Natl Acad Sci U S A* [Read more](#) [»](#)
  46. Secondary Attack Rate of COVID-19 in household contacts: Systematic review. *QJM: An* [Read more](#) [»](#)

- International Journal of Medicine [»](#)
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* [Read more](#)  
[»](#)
  48. Using serological data to understand unobserved SARS-CoV-2 risk in health-care settings. *The Lancet Infectious Diseases* [Read more](#)  
[»](#)
  49. Immunogenic SARS-CoV-2 Epitopes: In Silico Study Towards Better Understanding of COVID-19 Disease-Paving the Way for Vaccine Development. *Vaccines (Basel)* [Read more](#)  
[»](#)
  50. Characteristics of asymptomatic COVID-19 infection and progression: a multicentre, retrospective study. *Virulence* [Read more](#)  
[»](#)

## Additional Resources/Documents

**ECDC** – [website on COVID-19](#)  
[Threat Reports App](#)

**WHO** – [website on COVID-19](#)  
[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

**WHO-EUROPE** – [Preparing for a long, hot summer with COVID-19](#): information and guidance documents

**European Union** – [Re-open EU: interactive tool with country information for travel and transportation](#)

**European Commission** – [Coronavirus response](#);  
Communication on the [EU Strategy for COVID-19 vaccines](#)  
[EU-supported coronavirus research and innovation](#)  
EU Science Hub – [JRC research, actions and publications on COVID-19](#)  
[ECML Covid – European Crisis Management Laboratory with measures database, GitHub data repository and documents](#)

**EU Healthy Gateways** – [Published guidance and reports for COVID-19](#)

**EMA** – [European Medicines Agency](#)  
[Latest updates on COVID-19. Treatments and vaccines for COVID-19](#). July update

**EU-OSHA** – [European Agency for Safety and Health at Work](#)  
[COVID-19 resources for the workplace: EU guidance, telework](#)

**United Nations** – [COVID-19 Response](#)  
[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  
[OCHA](#) – [Global Humanitarian Response Plan COVID-19 – Latest report](#). July 2020 update  
[FAQ](#).- COVID-19 policy tools. Exposure of humans or animals to SARS-CoV-2 from wild, livestock, companion and aquatic animals. [Qualitative exposure assessment](#). July 2020 update

**HTAi**: [Health Technology Assessment International](#) – HTAi COVID-19 Response.

## COVID-19 Online Libraries and search engines

**WHO:** [Global research on COVID-19](#). Database of publications on COVID-19.

**COVID Reference International:** [The mini-textbook](#) by Kamps & Hoffmann 4<sup>th</sup> Edition.

**LitCovid:** [curated literature hub](#) for tracking up-to-date scientific information about COVID-19.

**COVID-END:** [COVID-19 Evidence Network](#) to support decision-making.

**CEBM:** [Oxford COVID-19 Evidence Service](#). Rapid reviews of primary care questions relating to COVID-19.

**NMA initiative:** [Covid-19 – living initiative](#). Living mapping and living systematic review of Covid-19 studies.

**EPPI Centre:** [COVID-19](#): a living systematic map of the evidence.

**Cochrane:** [Special collections](#) on COVID-19.

**L•OVE:** [Working Group for COVID-19](#): evidence in response to COVID-19 emergency.

**Evidence Aid:** [Evidence Collection](#) on Coronavirus (COVID-19).

**UpToDate:** [Clinical effectiveness COVID-19 recourses](#) 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

**EMBL-EBI:** [Protein Data Bank in Europe – Knowledge Base](#): PDBe-KB COVID-19 Data Portal.

**COVID-END:** [Guide to key COVID-19 evidence sources](#).

**COVID-AMR:** [Secondary infections, antibiotic chemotherapy and AMR in the context of COVID-19](#)

**CORD-19:** [COVID-19 Open Research Dataset](#) from Semantic Scholar.

**COVID-19 Smart Search Engine:** database with references selected by the WHO Global research list.