



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

Weekly Digest

12 June 2020

ECDC Outputs

Publications

Rapid Risk Assessment: Coronavirus disease 2019 (COVID-19) in the EU/EEA and the UK – tenth update Risk Assessment – 11 June 2020. [Read more »](#)

Mobile applications in support of contact tracing for COVID-19 - A guidance for EU EEA Member States. Technical report – 10 June 2020. [Read more »](#)

COVID-19 infection prevention and control for primary care, including general practitioner practices, dental clinics and pharmacy settings. Technical report – 9 June 2020. [Read more »](#)

Options for the decontamination and reuse of respirators in the context of the COVID-19 pandemic. Technical report – 8 June 2020. [Read more »](#)

Conducting in-action and after-action reviews of the public health response to COVID-19. Technical report – 4 June 2020. [Read more »](#)

Communicable disease threats report, 31 May -6 June 2020, week 23

Publication – 5 June 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 »](#)

News

Engagement of ECDC in projects funded through the Horizon 2020 call for Pan-European COVID-19 cohorts. Collaboration call – 9 Jun 2020. [Read more »](#)

Situation updates on COVID-19

- Situation update for the EU/EEA and the UK. [Read more »](#)
- Situation worldwide. [Read more »](#)
- Situation dashboard: Interactive map with the latest available data on COVID-19. [Read more »](#)
- 14-day incidence of reported COVID-19. [Read more »](#)
- Weekly surveillance report on COVID-19. [Read more »](#)
- Data on the geographic distribution of COVID-19 cases worldwide: downloadable data file updated daily and contains the latest available public data on COVID-19. [Read more »](#)

Latest evidence, Preparedness, Surveillance, Testing strategies, Laboratory support and Data collection

Latest Evidence on COVID-19. Latest update 11 June. [Read more »](#)

- Coronaviruses: General background of SARS-CoV-2, virus evolution, seasonality and survival in the environment.
- Epidemiology: Incubation period, co-infections and secondary infection, risk factors, risk groups and

demographic profiles.

- Transmission: Viral shedding, virus and substances of human origin (SoHO), role of asymptomatic and pre-symptomatic individuals and transmission risks in different settings.
- Clinical Characteristics: Pathology and pathogenesis, symptoms and signs, severity, complications of COVID-19 infection
- Diagnostic testing and screening: Diagnostic specimens, assay types, in-house tests versus in vitro diagnostic medical devices, intended use, rapidity and point of testing, diagnostic accuracy and validation, biosafety, testing capacity and methodologies
- Immune responses and immunity: Immune response, population immunity
- Vaccines and Treatment: Vaccine and pharmaceutical prophylaxis and treatment

Preparedness for COVID-19 – Publications and guidance for preparedness planning. [Read more »](#)

EU level surveillance of COVID19

- For [EU level surveillance](#), ECDC requests EU/EEA countries and the UK to report laboratory-confirmed cases of COVID-19 within 24 hours after identification through the Early Warning and Response System ([EWRS](#)). Case reporting forms will be collected using The European Surveillance System - [TESSy](#).
- Case definition for coronavirus disease 2019 (COVID-19), as of 29 May 2020. [Read more »](#)
- Surveillance definitions for COVID-19. Last updated 29 May. [Read more »](#)
- Surveillance and study protocols. [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 »](#)

Data collection – How ECDC collects and processes COVID-19 data. [Read more »](#)

Facts about novel coronavirus

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. Last updated 23 May 2020. [Read more »](#)

Training

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

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

Since last weekly digest, there have been 3225 new publications. Here a selection of those publications.

1. Comorbid Chronic Diseases are Strongly Correlated with Disease Severity among COVID-19 Patients: A Systematic Review and Meta-Analysis. *Aging Disease* [Read more »](#)
2. Risk factors for mortality in patients with Coronavirus disease 2019 (COVID-19) infection: a systematic review and meta-analysis of observational studies. *The Aging Male* [Read more »](#)
3. COVID-19, Quarantines, Sheltering-in-Place, and Human Rights: The Developing Crisis. *The American Journal of Tropical Medicine and Hygiene* [Read more »](#)

4. Prevalence of Asymptomatic SARS-CoV-2 Infection: A Narrative Review. *Annals of Internal Medicine* [Read more](#)
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5. Serodiagnostics for Severe Acute Respiratory Syndrome-Related Coronavirus-2: A Narrative Review. *Annals of Internal Medicine* [Read more](#)
»
6. Diagnostic Testing for Severe Acute Respiratory Syndrome-Related Coronavirus 2: A Narrative Review. *Annals of Internal Medicine* [Read more](#)
»
7. Update Alert: Epidemiology of and Risk Factors for Coronavirus Infection in Health Care Workers. *Annals of Internal Medicine* [Read more](#)
»
8. Population vulnerability to COVID-19 in Europe: a burden of disease analysis. *Archives of Public Health* [Read more](#)
»
9. Host-Viral Infection Maps Reveal Signatures of Severe COVID-19 Patients. *Cell* [Read more](#)
»
10. Pandemic Preparedness: Developing Vaccines and Therapeutic Antibodies For COVID-19. *Cell* [Read more](#)
»
11. SARS-CoV-2 infection serology: a useful tool to overcome lockdown? *Cell Death Discovery* [Read more](#)
»
12. ACE2 expression and sex disparity in COVID-19. *Cell Death Discovery* [Read more](#)
»
13. The natural history and transmission potential of asymptomatic SARS-CoV-2 infection. *Clinical Infectious Diseases* [Read more](#)
»
14. Effect of Nonpharmaceutical Interventions on Transmission of Severe Acute Respiratory Syndrome Coronavirus 2, South Korea, 2020. *Emerging Infectious Diseases* [Read more](#)
»
15. Effectiveness of N95 Respirator Decontamination and Reuse against SARS-CoV-2 Virus. *Emerging Infectious Diseases* [Read more](#)
»
16. Effects of Proactive Social Distancing on COVID-19 Outbreaks in 58 Cities, China. *Emerging Infectious Diseases* [Read more](#)
»
17. Patterns of IgG and IgM antibody response in COVID-19 patients. *Emerging Microbes & Infectious* [Read more](#)
»
18. Dynamic surveillance of SARS-CoV-2 shedding and neutralizing antibody in children with COVID-19. *Emerging Microbes & Infectious* [Read more](#)
»
19. A systematic review of neurological manifestations of SARS-CoV-2 infection: the devil is hidden in the details. *European Journal of Neurology* [Read more](#)
»
20. SARS-CoV-2-related paediatric inflammatory multisystem syndrome, an epidemiological study, France, 1 March to 17 May 2020. *Eurosurveillance* [Read more](#)
»
21. Genetic structure of SARS-CoV-2 reflects clonal superspreading and multiple independent introduction events, North-Rhine Westphalia, Germany, February and March 2020. *Eurosurveillance* [Read more](#)
»
22. Infection prevention guidelines and considerations for paediatric risk groups when reopening primary schools during COVID-19 pandemic, Norway, April 2020. *Eurosurveillance* [Read more](#)
»
23. High impact of COVID-19 in long-term care facilities, suggestion for monitoring in the EU/EEA, May 2020. *Eurosurveillance* [Read more](#)
»
24. Epidemiological Evidence for Association between Higher Influenza Vaccine Uptake in the Elderly and Lower COVID-19 Deaths in Italy. *Journal of Medical Virology* [Read more](#)
»
25. Evidence for mutations in SARS-CoV-2 Italian isolates potentially affecting virus transmission. *Journal of Medical Virology* [Read more](#)
»
26. SARS-CoV-2: A comprehensive review from pathogenicity of the virus to clinical consequences. *Journal of Medical Virology* [Read more](#)
»
27. Association Between Mode of Delivery Among Pregnant Women With COVID-19 and Maternal and Neonatal Outcomes in Spain. *JAMA* [Read more](#)
»
28. The Importance of Long-term Care Populations in Models of COVID-19. *JAMA* [Read more](#)
»
29. Multisystem Inflammatory Syndrome Related to COVID-19 in Previously Healthy Children and Adolescents in New York City. *JAMA* [Read more](#)
»
30. Clinical Characteristics of 58 Children With a Pediatric Inflammatory Multisystem Syndrome Temporally Associated With SARS-CoV-2. *JAMA* [Read more](#)
»
31. A single-cell atlas of the peripheral immune response in patients with severe COVID-19. *Nature Medicine* [Read more](#)
»
32. SARS-CoV-2 cross-reactivity in healthy donors. *Nat Rev Immunol* [Read more](#)
»
33. Dissecting antibody-mediated protection against SARS-CoV-2. *Nat Rev Immunol* [Read more](#)
»
34. Antimicrobial use, drug-resistant infections and COVID-19. *Nature Reviews Microbiology* [Read more](#)
»
35. Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. *Nature* [Read more](#)

36. The effect of large-scale anti-contagion policies on the COVID-19 pandemic. *Nature* [Read more](#)
37. Severe acute respiratory syndrome coronavirus 2: virus mutations in specific European populations. *New Microbes New Infect* [Read more](#)
38. Long-term and herd immunity against SARS-CoV-2: implications from current and past knowledge. *Pathogens and Disease* [Read more](#)
39. Clinical Manifestations of Children with COVID-19: a Systematic Review. *Pediatric Pulmonology* [Read more](#)
40. The need of health policy perspective to protect Healthcare Workers during COVID-19 pandemic. A GRADE rapid review on the N95 respirators effectiveness. *PLoS One* [Read more](#)
41. Maternal and neonatal outcomes associated with COVID-19 infection: A systematic review. *PLoS One* [Read more](#)
42. Quantify the role of superspreaders -opinion leaders- on COVID-19 information propagation in the Chinese Sina-microblog. *PLoS One* [Read more](#)
43. Harnessing multiple models for outbreak management. *Science* [Read more](#)
44. Physical distancing, face masks, and eye protection to prevent person-to-person transmission of SARS-CoV-2 and COVID-19: a systematic review and meta-analysis. *The Lancet* [Read more](#)
45. Pulmonary post-mortem findings in a series of COVID-19 cases from northern Italy: a two-centre descriptive study. *The Lancet Infectious Diseases* [Read more](#)
46. Population serology for SARS-CoV-2 is essential to regional and global preparedness. *The Lancet Microbe* [Read more](#)
47. Optimising SARS-CoV-2 pooled testing for low-resource settings. *The Lancet Microbe* [Read more](#)
48. Low rate of bacterial co-infection in patients with COVID-19. *The Lancet Microbe* [Read more](#)
49. Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study. *The Lancet Public Health* [Read more](#)

Additional Resources/Documents

ECDC – [website on COVID-19](#)

ECDC – [Threat Reports App](#)

WHO – [website with information and guidance on COVID-19](#)

WHO – [China joint mission on Coronavirus Disease 2019 \(COVID-19\)](#)

WHO – [COVID-2019 Situation reports](#)

UNICEF - [Coronavirus Disease \(COVID-19\) Information Centre](#)

European Commission – [Coronavirus response](#)

EU Healthy Gateways – Preparedness and response for Points of Entry and transport operators. [Published guidance and reports for COVID-19](#)

United Nations – [COVID-19 response: How Covid-19 is changing the world: a statistical perspective](#)

COVID-19 Online Libraries and search engines

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

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

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

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).

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.