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

Weekly Digest
12 June 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 »

News


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](https://www.ecdc.europa.eu/en/publications-data/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.
- 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
3. COVID-19, Quarantines, Sheltering-in-Place, and Human Rights: The Developing Crisis. The American Journal of Tropical Medicine and Hygiene

[Read more »]

5. Serodiagnostics for Severe Acute Respiratory Syndrome-Related Coronavirus-2: A Narrative Review.* Annals of Internal Medicine*

6. Diagnostic Testing for Severe Acute Respiratory Syndrome-Related Coronavirus 2: A Narrative Review. *Annals of Internal Medicine*

7. Update Alert: Epidemiology of and Risk Factors for Coronavirus Infection in Health Care Workers. *Annals of Internal Medicine*


11. SARS-CoV-2 infection serology: a useful tool to overcome lockdown? *Cell Death Discovery*

12. ACE2 expression and sex disparity in COVID-19. *Cell Death Discovery*

13. The natural history and transmission potential of asymptomatic SARS-CoV-2 infection. *Clinical Infectious Diseases*

14. Effect of Nonpharmaceutical Interventions on Transmission of Severe Acute Respiratory Syndrome Coronavirus 2, South Korea, 2020. *Emerging Infectious Diseases*

15. Effectiveness of N95 Respirator Decontamination and Reuse against SARS-CoV-2 Virus. *Emerging Infectious Diseases*

16. Effects of Proactive Social Distancing on COVID-19 Outbreaks in 58 Cities, China. *Emerging Infectious Diseases*

17. Patterns of IgG and IgM antibody response in COVID-19 patients. *Emerging Microbes & Infections*


19. A systematic review of neurological manifestations of SARS-CoV-2 infection: the devil is hidden in the details. *European Journal of Neurology*

20. SARS-CoV-2-related paediatric inflammatory multisystem syndrome, an epidemiological study, France, 1 March to 17 May 2020. *Eurosurveillance*


24. Epidemiological Evidence for Association between Higher Influenza Vaccine Uptake in the Elderly and Lower COVID-19 Deaths in Italy. *Journal of Medical Virology*

25. Evidence for mutations in SARS-CoV-2 Italian isolates potentially affecting virus transmission. *Journal of Medical Virology*

26. SARS-CoV-2: A comprehensive review from pathogenicity of the virus to clinical consequences. *Journal of Medical Virology*


28. The Importance of Long-term Care Populations in Models of COVID-19. *JAMA*

29. Multisystem Inflammatory Syndrome Related to COVID-19 in Previously Healthy Children and Adolescents in New York City. *JAMA*

30. Clinical Characteristics of 58 Children With a Pediatric Inflammatory Multisystem Syndrome Temporally Associated With SARS-CoV-2. *JAMA*


32. SARS-CoV-2 cross-reactivity in healthy donors. *Nat Rev Immunol*

33. Dissecting antibody-mediated protection against SARS-CoV-2. *Nat Rev Immunol*

34. Antimicrobial use, drug-resistant infections and COVID-19. *Nature Reviews Microbiology*


37. Severe acute respiratory syndrome coronavirus 2: virus mutations in specific European populations. New Microbes New Infect

38. Long-term and herd immunity against SARS-CoV-2: implications from current and past knowledge. Pathogens and Disease


42. Quantify the role of superspreaders -opinion leaders- on COVID-19 information propagation in the Chinese Sina-microblog. PLoS One

43. Harnessing multiple models for outbreak management. Science

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

45. Pulmonary post-mortem findings in a series of COVID-19 cases from northern Italy: a two-centre descriptive study. The Lancet Infectious Diseases

46. Population serology for SARS-CoV-2 is essential to regional and global preparedness. The Lancet Microbe

47. Optimising SARS-CoV-2 pooled testing for low-resource settings. The Lancet Microbe


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

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-19 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


COVID-19 Online Libraries and search engines


LitCovid: curated literature hub for tracking up-to-date scientific information about COVID-19.

EPPI Centre: $\text{COVID-19}$: a living systematic map of the evidence.

Cochrane: $\text{Special collections}$ on COVID-19.


Evidence Aid: $\text{Evidence Collection}$ on Coronavirus (COVID-19).


COVID-AMR: $\text{Secondary infections, antibiotic chemotherapy and AMR in the context of COVID-19}$

CORD-19: $\text{COVID-19 Open Research Dataset}$ from Semantic Scholar

COVID-19 $\text{Smart Search Engine}$: database with references selected by the WHO Global research list.