



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

Weekly Digest  
25 June 2020

## ECDC Outputs

### Publications

**Heating, ventilation and air-conditioning systems in the context of COVID-19.** Technical report – 22 June 2020. [Read more »](#)

**Monitoring and evaluation framework for COVID-19 response activities in the EU/EEA and the UK.** Technical report – 17 June 2020. [Read more »](#)

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

**Communicable disease threats report, 14-20 June 2020, week 25**  
Publication – 18 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 »](#)

### 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** – General background of SARS-CoV-2, epidemiology, transmission, clinical characteristics, diagnostic testing and screening, immune responses and immunity, vaccines and treatment. Latest update 11 June. [Read more »](#)

**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 »](#)

**Laboratory support** – Laboratory support by specialized laboratories in the EU/EEA. [Read more »](#)

Q & A regarding laboratory topics on SARS-CoV-2. Last updated 25 May 2020. [Read more »](#)  
Testing strategies - Patients requiring diagnostic testing. Last updated 29 May 2020. [Read more »](#)  
**Data collection** – How ECDC collects and processes COVID-19 data. [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. Last updated 11 June 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 2530 new publications. Here a selection of those publications.

1. **Novel Coronavirus Infection (COVID-19) in Children Younger Than One Year: A Systematic Review of Symptoms, Management and Outcomes.** [Read more »](#)  
*Acta Paediatr*
2. **Paediatric COVID-19 admissions in a region with open schools during the two first months of the pandemic.** [Read more »](#)  
*Acta Paediatr*
3. **COVID-19 and the elderly: insights into pathogenesis and clinical decision-making.** [Read more »](#)  
*Aging Clin Exp Res*
4. **Meta-analysis investigating the relationship between clinical features, outcomes, and severity of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) pneumonia.** [Read more »](#)  
*Am J Infect Control*
5. **Coughs and Sneezes: Their Role in Transmission of Respiratory Viral Infections, Including SARS-CoV-2.** [Read more »](#)  
*Am J Respir Crit Care Med*
6. **Clinical characteristics of children with COVID-19: a rapid review and meta-analysis.** [Read more »](#)  
*Ann Transl Med*
7. **Nosocomial infections among patients with COVID-19, SARS and MERS: a rapid review and meta-analysis.** [Read more »](#)  
*Ann Transl Med*
8. **Modelling the pandemic: attuning models to their contexts.** [Read more »](#)  
*BMJ Glob Health*
9. **Early Pandemic Evaluation and Enhanced Surveillance of COVID-19 (EAVE II): protocol for an observational study using linked Scottish national data.** [Read more »](#)  
*BMJ Open*
10. **Systemically comparing host immunity between survived and deceased COVID-19 patients.** [Read more »](#)  
*Cell Mol Immunol*
11. **Herd immunity or suppression strategy to combat COVID-19.** [Read more »](#)  
*Clin Hemorheol Microcirc*
12. **Development of child immunity in the context of COVID-19 pandemic.** [Read more »](#)  
*Clin Immunol*
13. **COVID-19 and Antimicrobial Resistance: Parallel and Interacting Health Emergencies.** [Read more »](#)  
*Clin Infect Dis*

14. **Clinical Presentation and Outcomes of Pregnant Women with COVID-19: A Systematic Review and Meta-Analysis.** *Clin Infect Dis* [Read more](#)  
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15. **Characteristics of 1,573 healthcare workers who underwent nasopharyngeal swab for SARS-CoV-2 in Milano, Lombardy, Italy.** *Clin Microbiol Infect* [Read more](#)  
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16. **Isolation, Sequence, Infectivity, and Replication Kinetics of Severe Acute Respiratory Syndrome Coronavirus 2.** *Emerg Infect Dis* [Read more](#)  
»
17. **Transmission of COVID-19 virus by droplets and aerosols: A critical review on the unresolved dichotomy.** *Environ Res* [Read more](#)  
»
18. **The effects of border control and quarantine measures on the spread of COVID-19.** *Epidemics* [Read more](#)  
»
19. **The great pause: a minor theory exploration of COVID-19 response in Switzerland.** *Eurasian Geography and Economics* [Read more](#)  
»
20. **Multicentre comparison of quantitative PCR-based assays to detect SARS-CoV-2, Germany, March 2020.** *Eurosurveillance* [Read more](#)  
»
21. **Prevalence of SARS-CoV-2 specific neutralising antibodies in blood donors from the Lodi Red Zone in Lombardy, Italy, as at 06 April 2020.** *Eurosurveillance* [Read more](#)  
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22. **Ultraviolet irradiation doses for coronavirus inactivation - review and analysis of coronavirus photoinactivation studies.** *GMS Hyg Infect Control* [Read more](#)  
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23. **Statistical and Network-Based Analysis of Italian COVID-19 Data: Communities Detection and Temporal Evolution.** *Int J Environ Res Public Health* [Read more](#)  
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24. **Impact of the Burden of COVID-19 in Italy: Results of Disability-Adjusted Life Years (DALYs) and Productivity Loss.** *Int J Environ Res Public Health* [Read more](#)  
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25. **Systematic Review of Clinical Insights into Novel Coronavirus (CoVID-19) Pandemic: Persisting Challenges in U.S. Rural Population.** *Int J Environ Res Public Health* [Read more](#)  
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26. **Asymptomatic patients as a source of COVID-19 infections: A systematic review and meta-analysis.** *Int J Infect Dis* [Read more](#)  
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27. **An updated review of the association of host genetic factors with susceptibility and resistance to COVID-19.** *J Cell Physiol* [Read more](#)  
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28. **CD4+T, CD8+T counts and severe COVID-19: A meta-analysis.** *J Infect* [Read more](#)  
»
29. **High SARS-CoV-2 infection rates in respiratory staff nurses and correlation of COVID-19 symptom patterns with PCR positivity and relative viral loads.** *J Infect* [Read more](#)  
»
30. **A super-spreader of COVID-19 in Ningbo city in China.** *J Infect Public Health* [Read more](#)  
»
31. **Mortality statistics in England and Wales: the SARS-CoV-2 paradox.** *J Int Med Res* [Read more](#)  
»
32. **Beating the odds with systematic individualized care Nationwide prospective follow-up of all patients with COVID-19 in Iceland.** *J Intern Med* [Read more](#)  
»
33. **The clinical characteristics of pediatric inpatients with SARS-CoV-2 infection: a meta-analysis and systematic review.** *J Med Virol* [Read more](#)  
»
34. **Estimation of the secondary attack rate of COVID-19 using proportional meta-analysis of nationwide contact tracing data in Taiwan.** *J Microbiol Immunol Infect* [Read more](#)  
»
35. **Dynamic linkage of COVID-19 test results between Public Health England's Second Generation Surveillance System and UK Biobank.** *Microb Genom* [Read more](#)  
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36. **Public Attitudes, Behaviors, and Beliefs Related to COVID-19, Stay-at-Home Orders, Nonessential Business Closures, and Public Health Guidance - United States, New York City, and Los Angeles, May 5-12, 2020.** *MMWR Morb Mortal Wkly Rep* [Read more](#)  
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37. **Genomewide Association Study of Severe Covid-19 with Respiratory Failure.** *N Engl J Med* [Read more](#)  
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38. **Understanding SARS-CoV-2-related multisystem inflammatory syndrome in children.** Nat Rev Immunol [Read more](#)  
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39. **Optimizing safety surveillance for COVID-19 vaccines.** Nat Rev Immunol [Read more](#)  
»
40. **Asymptomatic patients and asymptomatic phases of Coronavirus Disease 2019 (COVID-19): a population-based surveillance study.** National Science Review [Read more](#)  
»
41. **Convergent antibody responses to SARS-CoV-2 in convalescent individuals.** Nature [Read more](#)  
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42. **COVID-19 in jails and prisons: A neglected infection in a marginalized population.** PLoS Negl Trop Dis [Read more](#)  
»
43. **Mental Health Effects of COVID-19 Pandemia: A Review of Clinical and Psychological Traits.** Psychiatry Investig [Read more](#)  
»
44. **COVID-19 and the Gypsy, Roma and Traveller population.** Public Health [Read more](#)  
»
45. **A neutralizing human antibody binds to the N-terminal domain of the Spike protein of SARS-CoV-2.** Science [Read more](#)  
»
46. **A mathematical model reveals the influence of population heterogeneity on herd immunity to SARS-CoV-2.** Science [Read more](#)  
»
47. **Unexpected air pollution with marked emission reductions during the COVID-19 outbreak in China.** Science [Read more](#)  
»
48. **Household secondary attack rate of COVID-19 and associated determinants in Guangzhou, China: a retrospective cohort study.** The Lancet Infectious Diseases [Read more](#)  
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## 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.

**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.

**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).

**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.