



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

Weekly Digest

27 May 2020

Please find below a list with links, of all the guidance produced by the ECDC on COVID-19 and a compilation of some important recent publications on COVID-19 since the last Weekly Digest update that was sent on 20 May 2020.

We are constantly assessing the need to update existing, or produce new, guidance in light of recent developments. If you feel that there is something you would like us to consider or have any concerns, please get in touch with us by sending a mail to covid-19@ecdc.europa.eu.

Please forward this widely to others you feel would benefit from it. To subscribe to the Weekly Digest send a mail to PHE.Support.Scientific-Evidence@ecdc.europa.eu with the subject "Subscribe to Covid-19 Weekly Digest".

Best wishes,

PHE Technical Team

ECDC Outputs

Publications

Considerations for travel-related measures to reduce spread of COVID-19 in the EU/EEA.

Technical report – 26 May 2020. [Read more »](#)

Projected baselines of COVID-19 in the EU/EEA and the UK for assessing the impact of de-escalation of measures.

Technical report – 26 May 2020. [Read more »](#)

ECDC launches new weekly COVID-19 surveillance report.

Epidemiological update – 21 May 2020. [Read more »](#)

COVID-19 Aviation Health Safety Protocol: Guidance for the management of airline passengers in relation to the COVID-19 pandemic.

Technical guidance – 20 May 2020. [Read more »](#)

Communicable disease threats report, 17-23 May 2020, week 21.

Publication – 20 May 2020. [Read more »](#)

Rapid risk assessment: Paediatric inflammatory multisystem syndrome and SARS -CoV-2 infection in children

Risk assessment – 15 May 2020. [Read more »](#)

ECDC has a dedicated page with all scientific advice publications. [Read more »](#)

Daily 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 »](#)

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 »](#)

Preparedness, surveillance, laboratory support and data collection

Preparedness for COVID-19 – Publications and guidance for preparedness planning. Last publication: *Infection prevention and control and preparedness for COVID-19 in healthcare settings - third update*. 13 May 2020 [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](#).

COVID-19 surveillance report – Updated every Thursday. [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. Latest Infographic: COVID-19 in care homes [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 »](#)

Disease background of COVID-19 – Summary of latest evidence on different aspects of the COVID-19 disease with references. Updated 8 May 2020. [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 »](#)

Online micro learning activities on non-pharmaceutical countermeasures in relation to COVID-19. ECDC is now offering a series of micro learning activities related to COVID-19. The e-learning activities are available in the ECDC Virtual Academy (EVA). EVA provides access to training in the domain of Disease Prevention & Control, in order to strengthen capacity of European Union and its Member States. 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 2120 new publications. Here a selection of those publications.

1. **Precision Physical Distancing for COVID-19: An Important Tool in Unlocking the Lockdown.** [Read more](#)
Am J Trop Med Hyg [»](#)
2. **Analysis of Maternal Coronavirus Infections and Neonates Born to Mothers with 2019-nCoV; a Systematic Review.** Arch Acad Emerg Med [Read more](#)
[»](#)
3. **Covid-19: Delaying school reopening by two weeks would halve risks to children, says iSAGE.** BMJ [Read more](#)
[»](#)
4. **Scope, quality, and inclusivity of clinical guidelines produced early in the covid-19 pandemic: rapid review.** BMJ [Read more](#)
[»](#)
5. **Trained Immunity: a Tool for Reducing Susceptibility to and the Severity of SARS-CoV-2 Infection.** Cell [Read more](#)
[»](#)
6. **Cross-reactive antibody response between SARS-CoV-2 and SARS-CoV infections.** Cell Reports [Read more](#)
[»](#)
7. **Relationship between odor intensity estimates and COVID-19 prevalence prediction in a Swedish population.** Chemical Senses [Read more](#)
[»](#)
8. **Associations of Early COVID-19 Cases in San Francisco with Domestic and International Travel.** Clin Infect Dis [Read more](#)
[»](#)
9. **Efficacy and safety of convalescent plasma for severe COVID-19 based on evidence in other severe respiratory viral infections: a systematic review and meta-analysis.** Cmaj [Read more](#)
[»](#)
10. **Video calls for reducing social isolation and loneliness in older people: a rapid review.** [Read more](#)
Cochrane Database Syst Rev [»](#)
11. **Burden and prevalence of prognostic factors for severe COVID-19 in Sweden.** Eur J Epidemiol [Read more](#)
[»](#)
12. **SARS-COV-2 infection in children and newborns: a systematic review.** Eur J Pediatr [Read more](#)
[»](#)
13. **Review of restrictive public policy measures to limit COVID-19.** HIQA [Read more](#)
[»](#)
14. **New insights on the antiviral effects of chloroquine against coronavirus: what to expect for COVID-19?** Int J Antimicrob Agents [Read more](#)
[»](#)
15. **SEIR Modeling of the Italian Epidemic of SARS-CoV-2 Using Computational Swarm Intelligence.** Int J Environ Res Public Health [Read more](#)
[»](#)
16. **The Expression and Polymorphism of Entry Machinery for COVID-19 in Human: Juxtaposing** [Read more](#)

Population Groups, Gender, and Different Tissues.

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Int J Environ Res Public Health

17. **Distribution of the SARS-CoV-2 Pandemic and Its Monthly Forecast Based on Seasonal Climate Patterns.** Int J Environ Res Public Health [Read more](#)
»
18. **Hand sanitisers amid CoViD-19: A critical review of alcohol-based products on the market and formulation approaches to respond to increasing demand.** Int J Pharm [Read more](#)
»
19. **Predictive symptoms and comorbidities for severe COVID-19 and intensive care unit admission: a systematic review and meta-analysis** [Read more](#)
»
20. **An AI approach to COVID-19 infection risk assessment in virtual visits: a case report.** J Am Med Inform Assoc [Read more](#)
»
21. **Point-of-Care Diagnostic Tests for Detecting SARS-CoV-2 Antibodies: A Systematic Review and Meta-Analysis of Real-World Data.** J Clin Med [Read more](#)
»
22. **Modeling the effects of intervention strategies on COVID-19 transmission dynamics.** J Clin Virol [Read more](#)
»
23. **Asymptomatic infection and atypical manifestations of COVID-19: comparison of viral shedding duration.** J Infect [Read more](#)
»
24. **COVID-19 pneumonia and pregnancy; a systematic review and meta-analysis.** J Matern Fetal Neonatal Med [Read more](#)
»
25. **Role of biological Data Mining and Machine Learning Techniques in Detecting and Diagnosing the Novel Coronavirus (COVID-19): A Systematic Review.** J Med Syst [Read more](#)
»
26. **Predictors of mortality in hospitalized COVID-19 patients: A systematic review and meta-analysis.** J Med Virol [Read more](#)
»
27. **Increase in Covid-19 Cases and Case Fatality and Case Recovery Rates in Europe: A Cross Temporal Meta-Analysis.** J Med Virol [Read more](#)
»
28. **A Systematic Review of Asymptomatic Infections with COVID-19.** J Microbiol Immunol Infect [Read more](#)
»
29. **Nasal Gene Expression of Angiotensin-Converting Enzyme 2 in Children and Adults.** JAMA [Read more](#)
»
30. **Translating Science on COVID-19 to Improve Clinical Care and Support the Public Health Response.** JAMA [Read more](#)
»
31. **Adverse Consequences of Rushing a SARS-CoV-2 Vaccine: Implications for Public Trust.** JAMA [Read more](#)
»
32. **Individual quarantine versus active monitoring of contacts for the mitigation of COVID-19: a modelling study.** The Lancet Infect Dis [Read more](#)
»
33. **RT-PCR for SARS-CoV-2: quantitative versus qualitative.** The Lancet Infect Dis [Read more](#)
»
34. **COVID-19 effect on mental health: patients and workforce.** The Lancet Psychiatry [Read more](#)
»
35. **Rethinking the role of the school after COVID-19.** The Lancet Public Health [Read more](#)
»
36. **High COVID-19 Attack Rate Among Attendees at Events at a Church - Arkansas, March 2020.** MMWR Morb Mortal Wkly Rep [Read more](#)
»
37. **Universal and Serial Laboratory Testing for SARS-CoV-2 at a Long-Term Care Skilled Nursing Facility for Veterans — Los Angeles, California, 2020.** MMWR Morb Mortal Wkly Rep [Read more](#)
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- 38. **"Is It Safe for Me to Go to Work?" Risk Stratification for Workers during the Covid-19 Pandemic.** N Engl J Med [Read more](#)
»
- 39. **Artificial intelligence–enabled rapid diagnosis of patients with COVID-19.** Nature Medicine [Read more](#)
»
- 40. **Antimicrobial resistance in the age of COVID-19.** Nature Microbiology [Read more](#)
»
- 41. **How the coronavirus pandemic slashed carbon emissions - in five graphs.** Nature [Read more](#)
»
- 42. **Viral and host factors related to the clinical outcome of COVID-19.** Nature [Read more](#)
»
- 43. **T cells found in coronavirus patients 'bode well' for long-term immunity.** Science [Read more](#)
»
- 44. **Multivariate analyses of codon usage of SARS-CoV-2 and other betacoronaviruses.** Virus Evolution [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](#)

European Commission – [Coronavirus response](#)

European Commission – [Tourism and transport](#): guidelines and recommendations for tourists, travellers and businesses.

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.