

To: 5.1.2e @gmail.com[5.1.2e @gmail.com]
 From: 5.1.2e
 Sent: Fri 5/8/2020 8:34:32 AM
 Subject: FW: WEEKLY DIGEST: List of guidance from ECDC and important publications on COVID-19
 Received: Fri 5/8/2020 8:34:32 AM

From: ECDC COVID-19 Digest <5.1.2e @LISTSERV.ECDC.EUROPA.EU> On Behalf Of PHE Technical Group
 Sent: woensdag 6 mei 2020 22:45
 To: 5.1.2e <5.1.2e @rivm.nl>
 Subject: WEEKLY DIGEST: List of guidance from ECDC and important publications on COVID-19



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

Weekly Digest
 6 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 29 April 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 5.1.2e @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 5.1.2e @ecdc.europa.eu with the subject "Subscribe to Covid-19 Weekly Digest".

Best wishes,
PHE Technical Team

ECDC Outputs

Publications

Contact tracing for COVID-19: current evidence, options for scale-up and an assessment of resources needed Technical report – 5 May 2020. [Read more »](#)

Communicable disease threats report, 26 April-2 May 2020, week 18
 Publication – 30 April 2020. [Read more »](#)

Rapid Risk Assessment: Coronavirus disease 2019 (COVID-19) in the EU/EEA and the UK– ninth update. Risk assessment – 23 April 2020. [Read more »](#)

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

Campaign

SAVE LIVES: Clean Your Hands – ECDC supports World Hand Hygiene Day 2020

Each year on 5 May, the "SAVE LIVES: Clean Your Hands" campaign takes place as part of a major global effort led by the World Health Organization (WHO) to improve hand hygiene in healthcare settings. The campaign mobilises people around the world to increase adherence to hand hygiene in all healthcare settings, thus protecting healthcare workers and patients from COVID-19 and healthcare-associated infections by other pathogens. [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 »](#)

Training

ECDC Virtual Academy (EVA)

COVID-19 Micro learning for public health professionals. [Read more »](#)

Preparedness, surveillance, laboratory support and data collection

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](#).

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

Collection of recorded 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. [Read more »](#)

Event background

An overview on the origin of the cases of COVID-19 infection. [Read more »](#)



Important publications

Peer-reviewed and important publications

Since last weekly digest, there have been 2045 new publications. Here a selection of those publications.

1. **Expanding our understanding of the role polyprotein conformation plays in the coronavirus life cycle.** *Biochem J* [Read more »](#)
2. **Development of CRISPR as an Antiviral Strategy to Combat SARS-CoV-2 and Influenza.** *Cell* [Read more »](#)
3. **A Dynamic Immune Response Shapes COVID-19 Progression.** *Cell Host Microbe* [Read more »](#)
4. **High-dimensional immune profiling by mass cytometry revealed immunosuppression and dysfunction of immunity in COVID-19 patients.** *Cell* 5.1.2e [Read more »](#)
Immunol
5. **Pathological evidence for residual SARS-CoV-2 in pulmonary tissues of a ready-for-discharge patient.** *Cell Res* [Read more »](#)
6. **Olfactory and Gustatory Dysfunction in Coronavirus Disease 19 (COVID-19).** *Clin Infect Dis* [Read more »](#)
7. **Evaluation of COVID-19 RT-qPCR test in multi-sample pools.** *Clin Infect Dis* [Read more »](#)
8. **Early detection of SARS-CoV-2 antibodies in COVID-19 patients as a serologic marker of infection.** *Clin Infect Dis* [Read more »](#)
9. **Hand cleaning with ash for reducing the spread of viral and bacterial infections: a rapid review.** *Cochrane Database of Systematic Reviews* [Read more »](#)
10. **Clinical determinants for fatality of 44,672 patients with COVID-19.** *Crit Care* [Read more »](#)
11. **Evaluating the Effectiveness of Social Distancing Interventions to Delay or Flatten the Epidemic Curve of Coronavirus Disease.** *Emerg Infect Dis* [Read more »](#)
12. **Evidence Supporting Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 While Presymptomatic or Asymptomatic.** *Emerg Infect Dis* [Read more »](#)
13. **Early Introduction of Severe Acute Respiratory Syndrome Coronavirus 2 into Europe.** *Emerg Infect Dis* [Read more »](#)
14. **Estimating the generation interval for coronavirus disease (COVID-19) based on symptom onset data, March 2020.** *Eurosurveillance* [Read more »](#)
15. **Temporal rise in the proportion of younger adults and older adolescents among coronavirus disease (COVID-19) cases following the introduction of physical distancing measures, Germany, March to April 2020.** *Eurosurveillance* [Read more »](#)
16. **Early experience of an infectious and tropical diseases unit during the coronavirus disease (COVID-19) pandemic, Florence, Italy, February to March 2020.** *Eurosurveillance* [Read more »](#)
17. **Letter to the editor: Evidence on school closure and children's social contact:** [Read more](#)

- useful for coronavirus disease (COVID-19)?** *Eurosurveillance* [»](#)
18. **Genomics functional analysis and drug screening of SARS-CoV-2.** *Genes Dis* [Read more »](#)
 19. **Evaluation of a COVID-19 IgM and IgG rapid test; an efficient tool for assessment of past exposure to SARS-CoV-2.** *Infect Ecol Epidemiol* [Read more »](#)
 20. **Viral kinetics of SARS-CoV-2 in asymptomatic carriers and presymptomatic patients.** *Int J Infect Dis* [Read more »](#)
 21. **Effect of temperature on the infectivity of COVID-19.** *Int J Infect Dis* [Read more »](#)
 22. **Ad hoc laboratory-based surveillance of SARS-CoV-2 by real-time RT-PCR using minipools of RNA prepared from routine respiratory samples.** *J Clin Microbiol* [Read more »](#)
 23. **The SARS-CoV-2 seroprevalence is the key factor for deconfinement in France.** *J Infect* [Read more »](#)
 24. **Longitudinal Change of SARS-Cov2 Antibodies in Patients with COVID-19.** *J Infect Dis* [Read more »](#)
 25. **Long-term Coexistence of SARS-CoV-2 with Antibody Response in COVID-19 Patients.** *J Med Virol* [Read more »](#)
 26. **Convalescent plasma transfusion for the treatment of COVID-19: Systematic review.** *J Med Virol* [Read more »](#)
 27. **Curating evidence on mental health during COVID-19: A living systematic review.** *J Psychosom Res* [Read more »](#)
 28. **Contact Tracing Assessment of COVID-19 Transmission Dynamics in Taiwan and Risk at Different Exposure Periods Before and After Symptom Onset.** *JAMA Intern Med* [Read more »](#)
 29. **Regulation and Trust: 3-Month Follow-up Study on COVID-19 Mortality in 25 European Countries.** *JMIR Public Health Surveill* [Read more »](#)
 30. **Preventing major outbreaks of COVID-19 in jails.** *The Lancet* [Read more »](#)
 31. **Obesity could shift severe COVID-19 disease to younger ages.** *The Lancet* [Read more »](#)
 32. **SARS-CoV-2 and influenza virus co-infection.** *The Lancet* [Read more »](#)
 33. **The invisible pandemic.** *The Lancet* [Read more »](#)
 34. **Bioinformatic analysis and identification of single-stranded RNA sequences recognized by TLR7/8 in the SARS-CoV-2, SARS-CoV, and MERS-CoV genomes.** *Microbes Infect* [Read more »](#)
 35. **Airborne route and bad use of ventilation systems as non-negligible factors in SARS-CoV-2 transmission.** *Med Hypotheses* [Read more »](#)

36. **Assessment of SARS-CoV-2 Infection Prevalence in Homeless Shelters - Four U.S. Cities, March 27-April 15, 2020.** MMWR Morb Mortal Wkly Rep [Read more »](#)
37. **A Multibasic Cleavage Site in the Spike Protein of SARS-CoV-2 Is Essential for Infection of Human Lung Cells.**  Cell [Read more »](#)
38. **Renin-Angiotensin-Aldosterone System Blockers and the Risk of Covid-19.** N Engl J Med [Read more »](#)
39. **Children with Covid-19 in Pediatric Emergency Departments in Italy.** N Engl J Med [Read more »](#)
40. **The new scope of virus taxonomy: partitioning the virosphere into 15 hierarchical ranks.** Nat Microbiol [Read more »](#)
41. **The trinity of COVID-19: immunity, inflammation and intervention.** Nat Rev Immunol [Read more »](#)
42. **Massively multiplexed nucleic acid detection using Cas13.** Nature [Read more »](#)
43. **A SARS-CoV-2 protein interaction map reveals targets for drug repurposing.** Nature [Read more »](#)
44. **Rapid reconstruction of SARS-CoV-2 using a synthetic genomics platform.** Nature [Read more »](#)
45. **Estimating the burden of United States workers exposed to infection or disease: A key factor in containing risk of COVID-19 infection.** PLoS One [Read more »](#)
46. **Forecasting the timeframe of coronavirus and human cells interaction with reverse engineering.** Prog Biophys  Biol [Read more »](#)
47. **Association between climate variables and global transmission of SARS-CoV-2.** Sci Total Environ [Read more »](#)
48. **Structural basis for inhibition of the RNA-dependent RNA polymerase from SARS-CoV-2 by remdesivir.** Science [Read more »](#)
49. **Site-specific glycan analysis of the SARS-CoV-2 spike.** Science [Read more »](#)
50. **Rapid implementation of mobile technology for real-time epidemiology of COVID-19.** Science [Read more »](#)
51. **SARS-CoV-2 productively infects human gut enterocytes.** Science [Read more »](#)
52. **Mobile phones represent a pathway for microbial transmission: A scoping review.** Travel Med Infect Dis [Read more »](#)
53. **COVID-19: Epidemiology, Evolution, and Cross-Disciplinary Perspectives.** Trends  Med [Read more »](#)
54. **Coronavirus in water environments: Occurrence, persistence and concentration methods - A scoping review.** Water Res [Read more »](#)
55. **Decoding the evolution and transmissions of the novel pneumonia coronavirus** [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](#)

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

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](#).

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.



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