

COVID-19 Evidence Update

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Combined Intensive Care Society, Association of Anaesthetists, Royal College of Anaesthetists, Faculty of Intensive Care Medicine guidance
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[Covid-19: Ethical Challenges for Nurses](#)
The Hastings Center Report
Essay

[Deaths from COVID-19 in healthcare workers in Italy - what can we learn?](#)
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[Physician deaths from corona virus \(COVID-19\) disease](#)
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[Remote monitoring contributes to preventing overwork-related events in health workers at the COVID-19 frontlines](#)
Precision Clinical Medicine
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[Symptom Criteria for COVID-19 Testing of Health Care Workers](#)
Official Journal of the Society for Academic Emergency Medicine

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[Appearance of Skin Rash in Pediatric Patients with COVID-19: Three Case Presentations](#)
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[Children with Coronavirus Disease 2019 \(COVID-19\): A Review of Demographic, Clinical, Laboratory and Imaging Features in 2,597 Pediatric Patients.](#)
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[Pathophysiology of COVID-19: Why Children Fare Better than Adults?](#)
The Indian Journal of Pediatrics
Review

[The psycho-physical impact that COVID-19 has on children must not be underestimated](#)
Acta Paediatrica
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[SARS-CoV-2 \(COVID-19\): What do we know about children? A systematic review](#)
Clinical Infectious Diseases
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[Special Issues for COVID-19 in Children and Adolescents](#)
Obesity: A Research Journal
Letter to the editor

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[The Effects of Pregnancy on Women with COVID-19: Maternal and Infant Outcomes](#)
Clinical Infectious Diseases
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[Follow-up for pregnant women during the COVID-19 pandemic: French national authority for health recommendations.](#)
Journal of Gynecology Obstetrics and Human Reproduction

[Reproductive health in the time of SARS-CoV-2](#)
Social Anthropology

[Unfavorable outcomes in pregnant patients with COVID-19 outside Wuhan, China.](#)
The Journal of Infection

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[Can the 2019 novel coronavirus cause Parkinson's disease?](#)
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[Commentary: COVID in Care Homes—Challenges and Dilemmas in Healthcare Delivery](#)
Age and ageing
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[Covid-19 in the long-term care setting: the CMS perspective](#)

Journal of the American Geriatrics Society

[Covid-19: Is it time that Social Care for the elderly was part of the National Health Service in the United Kingdom?](#)

Journal of Psychiatric Mental Health Nursing

[Diagnosis and treatment strategy of coronavirus disease 2019 with cardiovascular disease in elderly patients](#)

Aging Medline

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[Impact of the Covid-19 outbreak on acute stroke pathways – Insights from the Alsace region in France](#)

European Journal of Neurology

Palliative Care

[End-of-life care in patients with a highly transmissible respiratory virus: implications for COVID-19.](#)

Canadian Journal of Anaesthesia

[Providing quality end of life care to older people in the era of COVID-19: Perspectives from five countries.](#)

International Psychogeriatrics

Oncology

[Changing oncology treatment paradigms in the COVID-19 pandemic.](#)

Clinical Colorectal Cancer

[Navigating the storm of COVID-19 for patients with suspected bowel cancer](#)

BJS

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[Oncologist's perspective: when cancer encounters COVID-19](#)

The Oncologist

Letter to the Editor

[Personalized risk-benefit ratio adaptation of Breast Cancer care at the epicentre of Covid-19 outbreak](#)

The Oncologist

[Preparation for the COVID-19 pandemic in the department of radiation oncology in the National Cancer Center Hospital in Tokyo](#)

Journal of Radiation Research

Letter to the editor

[When cancer encounters COVID-19 in China: what have we suffered, experienced and learned](#)

Japanese Journal of Clinical Oncology

Review

Digestive

[COVID-19 and gastrointestinal endoscopy: Importance of reducing SARS-CoV-2 infection risks of medical workers and preserving personal protective equipment resources](#)

Digestive Endoscopy
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[COVID-19: focus on the lungs but do not forget the gastrointestinal tract](#)

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[Editorial: increasing IBD prevalence and its complications in the context of the COVID-19 pandemic](#)

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[Management of Acute Severe Ulcerative Colitis in a Pregnant Woman With COVID-19 Infection: A Case Report and Review of the Literature](#)

Inflammatory Bowel Diseases
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[RNA conversion of COVID-19 in respiratory and alimentary specimens during asymptomatic convalescence](#)

Journal of Gastroenterology and Hepatology
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[COVID-19 critical illness pathophysiology driven by diffuse pulmonary thrombi and pulmonary endothelial dysfunction responsive to thrombolysis](#)

Clinical and Translational Medicine

[COVID-19 pneumonia in lung transplant recipients: report of two cases](#)

American Journal of Transplantation
Case Report

[Cytokine Levels in the Body Fluids of a Patient With COVID-19 and Acute Respiratory Distress Syndrome: A Case Report.](#)

Annals of Internal Medicine
Case Report

[Lung Ultrasound in a COVID Pandemic - Choosing wisely](#)

Australian Journal of Ultrasound in Medicine
Opinion

[Respiratory Parameters in Patients With COVID-19 After Using Noninvasive Ventilation in the Prone Position Outside the Intensive Care Unit.](#)

JAMA

[Safe performance of diagnostic bronchoscopy/EBUS during the SARS-CoV-2 pandemic](#)

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[Smoking Is Associated With COVID-19 Progression: A Meta-analysis](#)

Nicotine & Tobacco Research

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[At the heart of COVID-19](#)
European Heart Journal
Editorial

[Characteristics and clinical significance of myocardial injury in patients with severe coronavirus disease 2019](#)
European Heart Journal

[COVID 19 and heart failure: from infection to inflammation and angiotensin II stimulation. Searching for evidence from a new disease](#)
European Journal of Heart Failure
Review

[EAPCI Position Statement on Invasive Management of Acute Coronary Syndromes during the COVID-19 pandemic](#)
European Heart Journal

[Reduction of hospitalizations for myocardial infarction in Italy in the COVID-19 era](#)
European Heart Journal

[Safety for all: coronavirus disease 2019 pandemic and cardiac surgery: a roadmap to 'phase' 2](#)
European Journal of Cardio-Thoracic Surgery

[The role of cardiovascular imaging for myocardial injury in hospitalized COVID-19 patients](#)
European Heart Journal - Cardiovascular Imaging

[Where have the ST-segment elevation myocardial infarctions gone during COVID-19 lockdown?](#)
European Heart Journal - Quality of Care and Clinical Outcomes
Commentary

Nephrology

[Acute kidney injury in patients hospitalized with covid-19.](#)
Kidney International

[Acute kidney injury is associated with the mortality of Coronavirus Disease 2019](#)
Journal of Medical Virology
Letter to the editor

[The syndrome of inappropriate antidiuresis in COVID-19 pneumonia: report of two cases](#)
Clinical Kidney Journal
Case Report

Transplant Nephrology

[First experience of SARS-CoV-2 infections in solid organ transplant recipients in the Swiss Transplant Cohort Study](#)
American Journal of Transplantation
Short Communication

[Mild COVID-19 in a pediatric renal transplant recipient](#)
American Journal of Transplantation
Case Report

[Novel Corona Virus 2019 pneumonia in a kidney transplant recipient](#)
American Journal of Transplantation
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[Viral Shedding Prolongation in a Kidney Transplant Patient with COVID-19 Pneumonia](#)
American Journal of Transplantation
Letter to the editor

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[Clinical Performance of Two SARS-CoV-2 Serologic Assays](#)
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[COVID-19 and childhood acute lymphoblastic leukemia](#)
Pediatric Blood and Cancer
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[The first case of acquired hemophilia A associated with SARS-CoV-2 infection](#)
American Journal of Hematology
Correspondence

[Managing haematology and oncology patients during the COVID-19 pandemic: interim consensus guidance.](#)
Medical Journal of Australia

[Reflection on passive immunotherapy in those who need most: some novel strategic arguments for obtaining safer therapeutic plasma or autologous antibodies from recovered COVID -19 infected patients](#)
British Journal of Haematology

Pathology

[Antibody Testing For Covid-19: Can It Be Used As A Screening Tool In Areas With Low Prevalence?](#)
American Journal of Clinical Pathology
Editorial

[Differentiating between 2019 novel coronavirus pneumonia and influenza using a non-specific laboratory marker-based dynamic nomogram](#)
Open Forum Infectious Diseases

[Expression of the SARS-CoV-2 cell receptor gene ACE2 in a wide variety of human tissues](#)
Infectious Diseases of Poverty
Research

[Limits of Detection of 6 Approved RT-PCR Kits for the Novel SARS-Coronavirus-2 \(SARS-CoV-2\)](#)
Clinical Chemistry

[Multivariate analyses of codon usage of SARS-CoV-2 and other betacoronaviruses](#)
Virus Evolution

[No evidence for distinct types in the evolution of SARS-CoV-2](#)
Virus Evolution
Reflection

[Potential False-Negative Nucleic Acid Testing Results for Severe Acute Respiratory Syndrome Coronavirus 2 from Thermal Inactivation of Samples with Low Viral Loads](#)
Clinical Chemistry

[Rapid Detection of COVID-19 Coronavirus Using a Reverse Transcriptional Loop-Mediated Isothermal Amplification \(RT-LAMP\) Diagnostic Platform](#)
Clinical Chemistry

Vaccine

[High throughput and comprehensive approach to develop multiepitope vaccine against minacious COVID-19.](#)
European Journal of Pharmaceutical Science

[Rational Vaccine Design in the Time of COVID-19.](#)
Cell Host and Microbe

[A strategic approach to COVID-19 vaccine R&D.](#)
Science

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[Clinical trials: management of investigational products during the coronavirus \(COVID-19\) pandemic](#)
American Journal of Health-System Pharmacy
Letter to the Editor

[COVID-19 infection also occurs in patients taking hydroxychloroquine](#)
Journal of Antimicrobial Chemotherapy
Research Letter

[Favipiravir, an antiviral for COVID-19?](#)
Journal of Antimicrobial Chemotherapy
Research Letter

[Immunoregulation with mTOR inhibitors to prevent COVID-19 severity: A novel intervention strategy beyond vaccines and specific antiviral medicines](#)
Journal of Medical Virology
Review

[Indomethacin and resveratrol as potential treatment adjuncts for SARS-CoV-2/COVID-19](#)
The International Journal of Clinical Practice
Perspective

[Prognostic value of NT-proBNP in patients with severe COVID-19](#)
Respiratory Research
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[Risk Factors of Severe Disease and Efficacy of Treatment in Patients Infected with COVID-19: A Systematic Review, Meta-Analysis and Meta-Regression Analysis](#)
Clinical Infectious Diseases
Systematic Review

[SARS-CoV-2 pandemic : Time to revive the cyclophilin inhibitor alisporivir](#)
Clinical Infectious Diseases

[Treatment efficacy analysis of traditional Chinese medicine for novel coronavirus pneumonia \(COVID-19\): an empirical study from Wuhan, Hubei Province, China](#)
Chinese Medicine
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[Why tocilizumab could be an effective treatment for severe COVID-19?](#)
Journal of Translational Medicine
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[A case series of chest imaging manifestation of COVID-19.](#)
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[Imaging in corona virus disease 2019 \(COVID-19\)-A scoping review.](#)
European Journal of Radiology Open.

[Point of care ultrasound in respiratory and critical care: consolidation and expansion of imaging skills](#)
Anaesthesia
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[The role of cardiac imaging in hospitalized COVID-19-positive patients.](#)
Cleveland Clinical Journal of Medicine

Community and Mental Health

[The COVID-19 pandemic and its impact on mental health](#)
Progress in Neurology and Psychiatry
Review

[Health promotion ambulances should focus on loneliness in our pandemic age](#)
Health promotion
ambulances should focus on loneliness in our pandemic age
Health Promotion International
Editorial

[Mental health nursing at a time of crisis](#)
Journal of Psychiatric and Mental Health Nursing
Editorial

[Psychiatrists, patients favor telemedicine; challenges exist](#)
Mental Health Weekly

[#SendHelpNow: Mental wellness and virtual connection in the age of coronavirus](#)
Journal of Psychiatric and Mental Health Nursing
Editorial

[Three steps to flatten the mental health need curve amid the COVID-19 pandemic](#)
Depression and Anxiety
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[Accessible COVID-19 tracker enables a way for visually impaired to stay up to date](#)
Disability Compliance for Higher Education

[COVID-19 and ophthalmology: an underappreciated occupational hazard.](#)
Infection Control and Hospital Epidemiology

[Infection control measures in ophthalmology during the COVID-19 outbreak: A narrative review from an early experience in Italy.](#)
European Journal of Ophthalmology

[Managing ocular allergy in the time of COVID-19](#)
Allergy
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[The ocular surface, coronaviruses and COVID-19](#)
Clinical and Experimental Optometry
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[Positive detection of SARS-CoV-2 combined HSV1 and HHV6B virus nucleic acid in tear and conjunctival secretions of a non-conjunctivitis COVID-19 patient with obstruction of common lacrimal duct](#)
Acta Ophthalmologica
Case Series

Dermatology

[COVID-19 and dermatologic surgery: hazards of surgical plume](#)
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[Cutaneous manifestations in COVID-19: Family cluster of Urticarial Rash](#)
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[Inconveniences due to the use of face masks during the COVID-19 pandemic: a survey study of 876 young people](#)
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[Recommendations for personal protective equipment and smoke evacuation for dermatologic surgeries amid the COVID-19 crisis](#)
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[Short-term Skin Reactions Following Use of N95 Respirators and Medical Masks](#)
Contact Dermatitis

[Skin Involvement in SARS-CoV-2 Infection: Case Series](#)
Journal of Medical Virology
Letter to the editor

[Teledermatology for patient management, dermatology education and research during the COVID-19 pandemic](#)
Australasian Journal of Dermatology
Letter to the editor

[Thrombotic occlusive vasculopathy in skin biopsy from a livedoid lesion of a COVID-19 patient](#)
British Journal of Dermatology
Research Letter

Diabetes

[Antihyperglycemic properties of hydroxychloroquine in patients with diabetes: risks and benefits at the time of COVID-19 pandemic](#)
Journal of Diabetes

[How diabetes management is adapting amid the COVID-19 pandemic.](#)
Lancet Diabetes Endocrinology

[Patients with diabetes are at higher risk for severe illness from COVID-19.](#)
Diabetes and Metabolism

[Prevention and management of COVID-19 among patients with diabetes: an appraisal of the literature.](#)
Diabetologia

[Supporting people with diabetes during a pandemic](#)
Diabetic Medicine
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[Behaviour of occupational health services during the COVID-19 pandemic](#)
Occupational Medicine

[Clinical features and outcomes of HIV patients with coronavirus disease 2019](#)
Clinical Infectious Diseases
Report

[Coronavirus Disease 19 \(COVID-19\) complicated with pneumonia in a patient with rheumatoid arthritis receiving conventional disease-modifying antirheumatic drugs](#)
Rheumatology International
Case Report

[Corona Viruses and the Chemical Senses: Past, Present, and Future](#)
Chemical Senses
Review Article

[COVID-19 preparedness: Clinical pharmacy services remote staffing in a quaternary, level I trauma and comprehensive stroke center](#)
American Journal of Health-System Pharmacy

[Telehealth transformation: COVID-19 and the rise of virtual care](#)
Journal of the American Medical Informatics Association
Perspective

[Unconditional care in academic emergency departments](#)
Academic Emergency Medicine

Dynamed Plus - COVID-19 (Novel Coronavirus)

Latest updates

14 May 2020

hydroxychloroquine plus azithromycin may not decrease in-hospital mortality but may increase cardiac arrest in patients with COVID-19 (JAMA 2020 May 11 early online)

[View in topic](#)

14 May 2020

FDA emergency use authorization issued for multiple new assays to detect nucleic acids from SARS-CoV-2

[View in topic](#)

12 May 2020

FDA issues emergency use authorization for Sofia 2 SARS Antigen FIA test to detect SARS-CoV-2 nucleocapsid protein antigen in nasopharyngeal and nasal swab specimens (FDA Emergency Use Authorization 2020 May 9)

[View in topic](#)

12 May 2020

Sherlock CRISPR SARS-CoV-2 Kit authorized to detect nucleic acids from SARS-CoV-2 in upper respiratory specimens and bronchoalveolar lavage specimens from persons with suspected COVID-19 infection (FDA Emergency Use Authorization 2020 May 6)

[View in topic](#)

12 May 2020

FDA issues emergency use authorization for first COVID-19 diagnostic test with option of using home-collected saliva (FDA Press Release 2020 May 8)

[View in topic](#)

11 May 2020

FDA issues emergency authorization for several new assays to detect immune antibody response to COVID-19

[View in topic](#)

11 May 2020

Infectious Disease Society of America (IDSA) guideline on diagnosis of COVID-19 (IDSA 2020 May 6)

[View in topic](#)

11 May 2020

tocilizumab reported to induce radiologic improvement and reduce need for ventilatory support in patients with severe COVID-19 (J Med Virol 2020 May 5 early online)

[View in topic](#)

11 May 2020

hydroxychloroquine may not reduce risk of intubation or death in patients with COVID-19 hospitalized in New York City (N Engl J Med 2020 May 7 early online)

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11 May 2020

FDA issues Emergency Use Authorization (EUA) permitting use of protective barrier enclosures as an extra layer of protection in preventing healthcare provider exposure when caring for or performing medical procedures on patients with known or suspected COVID-19 (FDA emergency use authorization 2020 May 1)

[View in topic](#)

Public Health England

Topics added/updated in the last week

[Coronavirus \(COVID-19\): hospital discharge service requirements](#)

13 May 2020

[Coronavirus \(COVID-19\): getting tested](#)

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[Coronavirus \(COVID-19\): support for care homes](#)

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[COVID-19: guidance for care of the deceased](#)

15 May 2020

[Government publishes latest R number](#)

15 May 2020

[Supporting vulnerable children and young people during the coronavirus \(COVID-19\) outbreak](#)

15 May 2020

[Government begins large scale study of coronavirus immunity](#)

17 May 2020

[Number of coronavirus \(COVID-19\) cases and risk in the UK](#)

17 May 2020

World Health Organisation – Rolling Updates

COVID-19-related service disruptions could cause hundreds of thousands of extra deaths from HIV

11 May 2020

New modelling on HIV convened by the World Health Organization and UNAIDS highlights the importance of taking immediate steps to minimise interruptions in health services and supplies of antiretroviral drugs during the COVID-19 pandemic.

The worst case scenario considered by the modelling group was a 6-month disruption of antiretroviral therapy. The group suggested that this could lead to more than 500 000 extra deaths from AIDS-related illnesses, including from tuberculosis, in sub-Saharan Africa over the next year.

At a media briefing today the WHO Director-General said that the modelling should be a “wake-up call,” and that despite attention being focused on the COVID-19 pandemic, we must still ensure that global supplies of tests and treatments for both HIV and TB reach the countries and communities that need them most.

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"The group's worst case scenario, a 6-month disruption of antiretroviral therapy, suggests that there could be 500,000 extra deaths from [#AIDS](#)-related illnesses, including from [#tuberculosis](#), in sub-Saharan Africa over the next year"-[@DrTedros](#) [#COVID19](#) <https://t.co/wZOQugQ7pO>

— World Health Organization (WHO) (@WHO) [May 11, 2020](#)

Key materials:

- [Joint news release with UNAIDS](#)
- [Jewell B, Mudimu E, Stover J, et al for the HIV Modelling consortium, *Potential effects of disruption to HIV programmes in sub-Saharan Africa caused by COVID-19: results from multiple models*. Pre-print](#)
- [Alexandra B. Hogan, Britta Jewell, Ellie Sherrard-Smith et al. *The potential impact of the COVID-19 epidemic on HIV, TB and malaria in low- and middle-income countries*. Imperial College London \(01-05-2020\).](#)
- [WHO Director-General's opening remarks at the media briefing on COVID-19 - 11 May 2020](#)

WHO statement on tobacco use and COVID-19

11 May 2020

COVID-19 is an infectious disease that primarily affects the lungs. Smoking impairs lung function making it harder for the body to fight off coronaviruses and other diseases. Tobacco is also a major risk factor for noncommunicable diseases like cardiovascular disease, cancer, respiratory disease and diabetes which put people with these conditions at higher risk for developing severe illness when affected by COVID-19.

WHO is constantly evaluating new research, including research that examines the link between tobacco use, nicotine use, and COVID-19. A review of studies by public health experts convened by WHO on 29 April 2020 found that smokers are more likely to develop severe disease with COVID-19, compared to non-smokers.

WHO urges researchers, scientists and the media to be cautious about amplifying unproven claims that tobacco or nicotine could reduce the risk of COVID-19. There is currently insufficient information to confirm any link between tobacco or nicotine in the prevention or treatment of COVID-19.

There is currently insufficient information to confirm any link between tobacco or nicotine in the prevention or treatment of [#COVID19](#). Researchers, scientists & the media are urged to be cautious about amplifying such unproven claims.

<https://t.co/AUS8VSUKnu> pic.twitter.com/cRPBQVDcKX

— World Health Organization (WHO) (@WHO) May 11, 2020

Key materials:

- [WHO statement: Tobacco use and COVID-19](#)
- [WHO Director-General's opening remarks at the media briefing on COVID-19 - 11 May 2020](#)

WHO Academy and WHO Info apps launch

13 May 2020

The WHO Academy app provides health workers with access to up-to the-minute guidance, tools, training, and virtual workshops that will help them care for COVID-19 patients and protect

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themselves. The app is built around the needs expressed by 20,000 global health workers in a WHO Academy survey.

The WHO Info app aims to inform the general public. Regarding COVID-19, the app will provide updates on the latest case numbers, WHO initiatives, partnerships and the race to find medicines and vaccines for fighting the disease.

Key materials:

- [News release](#)
- [Free download of WHO Academy App: Apple App Store](#)
[Free download of WHO Academy App: Google Play Store](#)
- [WHO Academy webpage](#)

WHO Gender and COVID-19 Advocacy Brief

14 May 2020

The pandemic is impacting women and men differently.

From risk of exposure and biological susceptibility to infection to the social and economic implications, individuals' experiences are likely to vary according to their biological and gender characteristics and their interaction with other social determinants.

COVID-19 strategic plans must be grounded in strong gender analysis and ensure meaningful participation of women and girls in decision-making and implementation.

WHO calls on its Member States and all global actors to guide investments in quality and gender-sensitive research on the adverse health, social and economic impacts of COVID-19.

Countries are advised to incorporate a focus on gender into their COVID-19 responses in order to ensure that public health policies and measures to curb the pandemic account for gender and how it interacts with other inequalities.

Key materials:

- [Advocacy brief: Gender and COVID-19](#)
- [WHO Director-General's opening remarks at the media briefing on COVID-19 - 15 May 2020](#)
- [Video recording of 15 May media briefing](#)

WHO scientific brief on multisystem inflammatory syndrome in children and adolescents with COVID-19

15 May 2020

Relatively few cases of infants confirmed to have COVID-19 have been reported; those who are infected have experienced mild illness.

Recently, however, reports from Europe and North America have described clusters of children and adolescents requiring admission to intensive care units with a multisystem inflammatory condition with some features similar to those of Kawasaki disease and toxic shock syndrome.

It is essential to characterize this syndrome and its risk factors, to understand causality, and describe treatment interventions. It is not yet clear the full spectrum of disease, and whether the geographical distribution in Europe and North America reflects a true pattern, or if the condition has simply not been recognized elsewhere.

There is therefore an urgent need for collection of standardized data describing clinical presentations, severity, outcomes, and epidemiology. WHO has developed a preliminary case definition and case report form for multisystem inflammatory disorder in children and adolescents. The case definition will be revised as more data become available.

In addition to more detail on the above, the Scientific Brief also includes information on the preliminary case definition and Global COVID-19 Clinical Data Platform.

Key materials:

- [Scientific Brief: Multisystem inflammatory syndrome in children and adolescents with COVID-19](#)
- [WHO Director-General's opening remarks at the media briefing on COVID-19 - 15 May 2020](#)

Useful Links

[BMJ – latest news and resources for COVID-19](#)

[Cochrane Library Coronavirus \(COVID-19\): evidence relevant to critical care](#)

[Elsevier - Novel Coronavirus Information Center – Elsevier](#)

[European Centre for Disease Prevention and Control](#)

[GOV.UK](#)

[Health protection Scotland](#)

[New England Journal of Medicine](#)

[NHS UK](#)

[Oxford University Press](#)

[Patient.Info](#)

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