



COVID-19

Health Evidence Summary No.31

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This daily COVID-19 Health Evidence Summary is to signpost DFID and other UK government departments to the latest relevant evidence and discourse on COVID-19 to inform and support their response. It is a result of 3 hours of work and is not intended to be a comprehensive summary of available evidence on COVID-19 but aims to make original documents easily accessible to decision makers which, if relevant to them, they should go to before making decisions.

COVID-19 Preparedness and Response

Publication date	Title/URL	Journal/Article type	Summary
28.04.2020	The trinity of COVID-19: immunity, inflammation and intervention	Nature Reviews Immunology Review	<ul style="list-style-type: none"> Understanding the fundamental physiological and immunological processes underlying the clinical manifestations of COVID-19 is vital for the identification and rational design of effective therapies Therapies targeting the virus and controlling the inflammatory response may synergise to block pathologies at multiple steps Vaccine development and evaluation must note the association between immune dysfunction and outcome of disease severity in patients with COVID-19 Further studies identifying markers of immune correlates of protection will help effective triage of patients

Guidelines, Statements & Tools

Publication Date	Title/URL	Source	Description
30.04.2020	COVID-19 and the Rights of Persons with Disabilities: Guidance	UN Human Rights	
28.04.2020	COVI-PREG	CHUV	International COVID-19 and Pregnancy Registry
28.04.2020	Accessibility Campaign – COVID-19	International Disability Alliance	Call for PH information and communications around COVID-19 to be fully accessible
24.04.2020	Handwashing compendium for low resource settings: a living document (edition 1)	IDS Sanitation Learning Hub	
Ongoing	WHO Country & Technical Guidance	WHO	
Ongoing	Rapid guidelines and evidence summaries	NICE	
Ongoing	Inter-Agency Standing Committee (IASC)	IASC	

Comments, Editorials, Opinions, Blogs, News

Publication date	Title/URL	Journal Article type	Author(s)
28.04.2020	COVID-19 – We urgently need to start developing an exit strategy	Int J Infect Dis Perspective	Eskild Petersen et al.
30.04.2020	COVID-19's final frontier: The central Africa region	Travel Med Infect Dis	John Ditekemena et al.

29.04.2020	Keeping COVID-19 at bay in Africa	Lancet Respir Med News	Munyaradzi Makoni
26.04.2020	Interdisciplinary perspective on health literacy research around the world: more important ever in a time of COVID-19	Int J Environ res Public Health Editorial	Tetine Sentell, Sandra Vamos & Orkan Okan
30.04.2020	COVID-19 reveals weak health systems by design: why we must re-make global health in this historic moment	Glob Public Health Commentary	Sriram Shamasunder et al.
28.04.2020	Pandemic responses: planning to neutralize SARS-CoV-2 and prepare for future outbreaks	PLoS Medicine Editorial	The PLOS Medicine Editors
01.05.2020	Rolling out mass hydroxychloroquine prophylaxis for covid-19 in India's slums risk eroding public trust	BMJ Opinion	Eejrenab Natnayas, Varsha Eknath Gaikwad & Yogesh Jain
04.05.2020	COVID-19 mental-health responses neglect social realities	Nature World View	Rochelle Burgess
30.04.2020	Covid-19 and domestic violence: Caring states?	ESID Blog	Sohela Nazneen
04.05.2020	Covid-19: Confidentiality agreements allow antibody test manufacturers to withhold evaluation results	BMJ News	
23.04.2020	COVID-19: A global pandemic demands a global response	Georgetown University White paper	Mark Dybul, Robert Morello, J Smart, Rebecca Katz & Peter Piot et al.
29.04.2020	5 ways NGOs are working with local partners to respond to COVID-19	Bond News	Yolaina Vargas Pritchard, Amy Shaw

Tracking Dashboards

Cases & deaths: Global	Cases & deaths: Regional	Cases & deaths: Country	Living evidence maps	Current studies including trials	Diagnostics	Treatments	Vaccines
WHO sitreps	WHO Africa	Ghana	COVID-NMA	WHO	FIND SARS-CoV-2 Test Tracker	Global COVID-19 Clinical Trial Tracker	CEPI
WHO dashboard	African Arguments	Indonesia	EPPI Centre	WHO International Clinical Trials Registry Platform (ICTRP)	Serology-based tests for COVID-19	US NIH registered clinical trials	Vaccine Centre LSHTM
Johns Hopkins University	European CDC	Nigeria CDC	Norwegian Institute of Public Health	Cytel		Solidarity trial	
WEF		Sierra Leone		US NIH		COVID-19 Therapeutics Accelerator	
Our World in Data		Singapore		COVID-evidence			
Global 5050		UK		Cochrane			
CEBM, University of Oxford		US		Clinicaltrials.gov			

Humanitarian Data Exchange							
Information is Beautiful							
LSHTM							
HealthMap (cases)							
The Commons Project							

C19 Resource Hubs

Global	Regional & Country	Academic journals & Publishers	Global Health Institutes/Centres/Funders/Other	Health Topics	Social Sciences
WHO COVID-19 pandemic	Africa CDC	The Lancet	LSTM	Stop TB Partnership	SSHAP
WHO risk communication	African Union	NEJM	LSHTM		IDA
WHO Q&A	Nigeria CDC	Elsevier	ICL MRC Centre for Global Infectious Disease Analysis	Global Menstrual Collective	Disability and Inclusion
WHO Global research	GeoPoll: SSA	BMJ	ODI	SLH: Handwashing in low resource settings	Coregroup IDDC
COVID-19 Solidarity Response Fund	Global Health Network Africa	Cell Press	Johns Hopkins University		Rings HSG Resyst Reach Wellcome
UN	African Academy of Sciences	Cochrane resources	Center for Global Development		Social Development Direct C19 blog series
UN Women	Africa Evidence Network	PLoS	CMMID Repository		
UNOCHA		Annals of Internal Medicine	Norwegian Institute of Public Health		

UNHCR			Oxford Centre for Evidence-based Medicine		
UNICEF			HEART		
UNESCO		Wiley Health Economics	UKRI		
UN WFP		Pre-prints medRxiv and bioRxiv	Evidence Aid		
GOARN					
EPI-WIN					
World Bank					
COVID-19 Narratives by David Nabarro					
Reliefweb					
Humanitarian OpenStreetMap Team					
Global Partnership for Sustainable Development Data					
WorldPop					

Flowminder					
COVID-END					
Premise COVID-19 Global Impact Study					

Online learning & events

Date	Title/URL	Online learning/event	Duration	Lead
Available now	Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control	Online learning	3 hours	WHO
Available now	Responding to COVID-19: Real-time training for the coronavirus disease outbreak	Online learning	Multiple self-paced course	WHO
25 May 2020	COVID-19: Tackling the Novel Coronavirus	Online learning	3 weeks 4 hours weekly study	FutureLearn LSHTM/UK PHRST
20 April 2020	COVID-19 Diagnostics and Testing	Online learning	3 weeks 3 hours weekly study	FutureLearn FIND/LSHTM/ASLM
6 April 2020	COVID-19 Critical Care: Understanding and Application	Online learning	5 weeks 1 hour weekly study	FutureLearn University of Edinburgh & Royal College of Physicians of Edinburgh

Available now	COVID-19 supporting online courses	Online learning	Multiple self-paced course	BMJ Learning
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Suggested citation

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Rapid review methodology

The rapid daily search for peer-reviewed literature is carried out through a PubMed search with the following keywords (“COVID-19” OR “severe acute respiratory syndrome coronavirus 2” OR “2019-nCoV” OR “SARS-CoV-2” OR “2019nCoV” OR “coronavirus”) AND (“Africa”) OR (“equity” OR “equities”) OR (“poverty”), restricted to articles published in the previous 2 to 3 days, in English. This is complemented by a search of the homepage of the following high-impact global health journals: The Lancet journals, New England Journal of Medicine, Nature, JAMA, Annals of Internal Medicine, Cochrane Reviews, BMJ Global Health, the PLoS journals and a Twitter search of their Twitter pages. A search also of preprints from bioRxiv and medRxiv. Please note that papers that have not been peer-reviewed are highlighted in red. All primary research papers that relate to the primary and secondary impacts of the COVID-19 response in LMICs, and disease control and health system responses are included. Articles related to tackling the secondary impacts on other sectors are not included. Additional commentaries, opinions, and commissioned pieces are selected based on relevance.

The search for dashboards, guidelines, tools, editorials, comments, blogs, opinions and news is through the academic journals listed above, C19 resource hubs and following lead academics and professionals on Twitter.

About this report

This daily COVID-19 health evidence summary (HES) is based on 3 hours of desk-based research. The summary is not intended to be a comprehensive summary of available evidence on COVID-19 but aims to make original documents easily accessible to decision makers which, if relevant to them, they should go to before making decisions. The HES are not intended to replace medical or professional advice and the researcher or the K4D consortium cannot be held responsible for any decisions made about COVID-19 on the basis of the HES alone. K4D services are provided by a consortium of leading organisations working in international development, led by the Institute of Development Studies (IDS), with Education Development Trust, Itad, University of Leeds Nuffield Centre for International Health and Development, Liverpool School of Tropical Medicine (LSTM), University of Birmingham International Development Department (IDD) and the University of Manchester Humanitarian and Conflict Response Institute (HCRI).

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