

COVID-19

Health Evidence Summary No.55

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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.

Infection Prevention and Control

Publication date	Title/URL	Journal/Article type	Summary	Keywords
04.06.2020	Correlation between N95 extended use and reuse and fit failure in an emergency department	JAMA Research Letter	<ul style="list-style-type: none"> • There is a lack of empirical evidence on the effectiveness of N95 reuse and extended use during critical PPE shortages. This study examined the prevalence of N95 fit test failure while reusing 2 common types of N95 masks • Duckbill N95s had a high failure rate. Failure of dome-shaped masks was associated with increased use. • N95 failure may contribute to SARS-CoV-2 transmission and based on this preliminary data, health systems should closely evaluate N95 fit during extended use or reuse and limit duckbill mask use if alternatives are available 	Face masks

			<ul style="list-style-type: none"> • Limitations, including the study's cross-sectional design, are noted 	
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Testing

Publication date	Title/URL	Journal/Article type	Summary	Keywords
04.06.2020	Serodiagnostics for Severe Acute Respiratory Syndrome-Related Coronavirus-2: A narrative review	Annals of Internal Medicine Review	<ul style="list-style-type: none"> • Discusses key use cases for SARS-CoV-2 antibody detection tests and their application to serologic studies • Reviews currently available assays • Highlights ongoing research • Proposes potential strategies for test implementation 	Serodiagnostics

Comments, Editorials, Opinions, Blogs, News

Publication date	Title/URL	Journal Article type	Author(s)
05.06.2020	Oxford University's COVID-19 vaccine: next steps towards broad and equitable global access	University of Oxford News	
04.06.2020	Brazilian Health Regulatory Agency approves trial of Oxford COVID-19 Vaccine	Med Sci University of Oxford News	

05.06.2020	Retraction – Hydroxychloroquine or chloroquine with or without a macrolide for treatment of COVID-19: a multinational registry analysis	The Lancet Comment	Mandeep R Mehra Frank Ruschitzka Amit N Patel
04.06.2020	Retraction: Cardiovascular disease: drug therapy, and mortality in Covid-19. NEJM DOI 10.1056/NEJMoa2007621	NEJM Correspondence	Mandeep R Mehra Sapan S Desai SreyRam Kuy Timothy D Henry Amit N Patel
04.06.2020	Making decisions in a COVID-19 world	JAMA Viewpoint	Baruch Fischhoff
04.06.2020	Is Nigeria Ready to leave lockdown?	CGD Blog	Benjamin Uzochukwu Francis Ruiz Kalipso Chalkidou Eno'bong Idiong Samantha Hollingworth
04.06.2020	India's COVID-19 testing capacity must grow by a factor of 10: here's how that can happen	CGD Notes	Prashant Yadav Abha Mehndiratta Kalipso Chalkidou Sidharth Rupani Krishna Reddy

04.06.2020	The indirect health effects of COVID-19: lockdown measures and service provision	CGD Blog	Lydia Regan Y-Ling Chi
03.06.2020	As global health players pivot to COVID-19 responses we need coordinated, real-time, formative evaluations	CGD Blog	Pippa Page Cassandra Nemzoff Kalipso Chalkidou Sam McPherson

Guidelines, Statements & Tools

Publication Date	Title/URL	Source	Summary
05.06.2020	Statement from the Chief Investigators of the Randomised Evaluation of COVID-19 thERapY (RECOVERY) Trial on hydroxychloroquine	RECOVERY Trial Statement	<ul style="list-style-type: none"> At the request of the MHRA the independent DMC recommended chief investigators review the unblinded data on the hydroxychloroquine arm of the trial No clinical benefit from use of hydroxychloroquine in hospitalised patients with COVID-19 Participants are no longer to be enrolled to the hydroxychloroquine arm of the RECOVERY trial with immediate effect Full results will be made available as soon as possible
01.06.2020	Maintaining essential health services: operational guidance for the COVID-19 context	WHO Interim guidance	<ul style="list-style-type: none"> Note an update to interim guidance issues on 25 March 2020 Practical actions that countries can take at national, subregional and local levels to reorganise and safely delivery high-quality essential health services in the pandemic context

			<ul style="list-style-type: none"> Includes sample indicators for monitoring essential health services Describes considerations when to stop and restart services as C19 transmission recedes and surges
May 2020	COVID-19 Considerations for home and community-based care	SSHAP Brief	<ul style="list-style-type: none"> Guidelines from LMICs recognise the need for supported home and community-based care for C19 to protect formal healthcare setting capacity and to reduce the risk of spread in health facilities. Moreover, not all will be able to access services or may prefer home care. The Brief reviews existing guidance on home and community-based care for C19 in different contexts, identifies key issues and offers recommendations for addressing gaps in home and community-based care

Dashboards & Trackers

Cases & deaths: Global	Cases & deaths: Regional	Cases & deaths: Country	Living evidence & policy maps	Current research 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)	FIND SARS-CoV-2 Diagnostics: performance data	US NIH registered clinical trials	Vaccine Centre LSHTM
Johns Hopkins University	European CDC	Nigeria CDC	Norwegian Institute of Public Health	Cytel	Serology-based tests for COVID-19	Solidarity trial	COVID-19 Oxford Vaccine Trial

WEF		Sierra Leone	Oxford C19 Government Response Tracker (OxCGRT)	US NIH	Our World in Data: C19 Testing	COVID-19 Therapeutics Accelerator	
Our World in Data		Singapore	Our World in Data: C19 Policy responses	COVID-evidence			
Global 5050		UK	IFPRI COVID-19 Policy Response Portal	Cochrane			
CEBM, University of Oxford		US	COVID-19 Primer	Clinicaltrials.gov			
Humanitarian Data Exchange			NIH LitCovid	UKCDR			
Information is Beautiful			WHO COVID-19 Database				
LSHTM							
HealthMap (cases)							
The Commons Project							

C19 Resource Hubs

Global	Regional & Country	Academic journals & Publishers	Institutes/Centres/Funders/Other	Health Topics	Social Sciences
WHO COVID-19 pandemic	Africa CDC	Annals of Internal Medicine	LSTM	Stop TB Partnership	SSHAP
WHO risk communication	African Union	BMJ	LSHTM		IDA
WHO Q&A	Nigeria CDC	Bulletin of the WHO	ICL MRC Centre for Global Infectious Disease Analysis	Global Menstrual Collective	Disability and Inclusion
WHO Global research	GeoPoll: SSA	Cambridge University Press	ODI	SLH: Handwashing in low resource settings	Coregro up IDDC
COVID-19 Solidarity Response Fund	Global Health Network Africa	Cell Press	Johns Hopkins University	RBM Partnership	Ethics, health systems & COVID-19
UN	African Academy of Sciences	Cochrane	Center for Global Development		Social Development Direct C19 blog series
UN Women	Africa Evidence Network	Elsevier	CMMID Repository		
UNOCHA	OCHA Southern and Eastern Africa	JAMA Network	Norwegian Institute of Public Health		

	COVID-19 Digest				
UNHCR	South African Government	The Lancet	Oxford Centre for Evidence-based Medicine		
UNICEF		medRxiv and bioRxiv (Preprints)	HEART		
UNESCO		NEJM	UKRI		
UN WFP		Oxford University Press	Evidence Aid		
GOARN		PLoS	NIH		
EPI-WIN		SAGE journals	IFPRI Resources and Analyses of C19 Impact		
World Bank		Science	Prevent Epidemics		
Our World in Data		Springer Nature			
COVID-19 Narratives by David Nabarro		SSRN (Preprints)			
Reliefweb		Wiley			
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	Standard precautions: Environmental cleaning and disinfection	Online course	1 hour	WHO
16.06.2020	Africa beyond COVID-19	Virtual event	1h 30 hours	ODI
15.06.2020	Poverty monitoring in the context of Covid-19	Virtual event	1h 15	ODI
Available now	COVID-19: Effective Nursing in Times of Crisis	Online course	2 weeks – 2 hours per week	Johns Hopkins School of Nursing
05.06.2020 12pm ET	CGD Conversations on COVID-19 and Development: John Nkengasong	Event		CGD

Available now	WHO Academy and WHO Info mobile applications	Mobile app		WHO
Available now	COVID-19: Pandemics, Modelling and Policy	Online learning	2 weeks 2 hours weekly study	FutureLearn UNESCO UNITWIN Complex Systems Digital Campus/Open University
12.05.2020	COVID-19 and maintaining quality essential health services	Webinar	1 hour	WHO & ISQua – Dr Shams Syed, Dr Peter Lachman, Dr Teri Rynolds & Dr Ed Kelley
11.5.2020	COVID-19 Contact Tracing course	Online learning	5 hours	Johns Hopkins Bloomberg School of Health
7-28 May 2020	Virtual Evidence Weeks	5 sessions	1h 30	International Initiative for Impact Evaluation (3ie)
Tuesdays at 1700 CEST (Geneva time) & Thursdays 0830 CEST (Geneva time)	COVID-19 Open online brief with Dr David Nabarro	Event	1h	4SD
30.04.2020	Professor Chris Whitty's Gresham lecture on COVID-19	Event	1h 20	Gresham College
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
Available online now without mentors. Updated version will commence early June 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

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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