

# COVID-19

## Health Evidence Summary No.79

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03 July 2020

*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.*

### Clinical characteristics and management

Publication date	Title/URL	Journal/Article type	Summary	Keywords
03.07.2020	HIV and risk of COVID-19 death: a population cohort study from the Western Cape Province, South Africa	medRxiv (not peer-reviewed)   pre-print	<ul style="list-style-type: none"> <li>• The effect of HIV co-infection on C19 in SSA is unknown</li> <li>• This population cohort study found that HIV increased risk of C19 mortality (associated with a doubling of C19 mortality risk), with similar risks across strata of viral load and immunosuppression</li> <li>• Current and previous TB also increased C19 mortality risk</li> <li>• Authors caution that whilst findings may over-estimate the HIV-associated risk C19 death due to residual confounding, it remains that those with HIV should be considered a high-risk group for C19 management</li> </ul>	HIV, TB, mortality

03.07.2020	Prevalence and experience of fatigue in survivors of critical illness: A mixed-methods systematic review	medRxiv (not peer-reviewed)   pre-print	<ul style="list-style-type: none"> <li>• This mixed methods review shows that fatigue is highly prevalent in ICU survivors impacting on recovery</li> <li>• There is currently no ICU specific fatigue assessment tool or targeted intervention to manage this symptom</li> <li>• This review has identified factors which may increase or mitigate against fatigue, along with potential management strategies for consideration in future research and practice</li> </ul>	fatigue
02.07.2020	Neurological associations of COVID-19	The Lancet Neurology   Rapid Review	<ul style="list-style-type: none"> <li>• Careful clinical, diagnostic, and epidemiological studies are needed to help define the manifestations and burden of neurological disease caused by SARS-coV-2</li> <li>• The proportion of infections leading to neurological disease will probably remain small, however, with so many people infected the overall number of neurological patients, and their associated health burden and social and economic costs might be large</li> <li>• These patients might be left with severe neurological sequelae</li> <li>• Healthcare planners and policy makers must prepare for this</li> </ul>	neurology
02.07.2020	Ethnic and regional variations in hospital mortality	The Lancet Global Health   Article	<ul style="list-style-type: none"> <li>• This cross-sectional observational study aimed to characterise the C19 pandemic in Brazil and assess variations in mortality</li> </ul>	Regional, ethnicity, socioeconomic

	from COVID-19 in Brazil: a cross-sectional observational study		<p>according to region, ethnicity, comorbidities and symptoms</p> <ul style="list-style-type: none"> <li>• Finding: increased mortality in the north region (regional effect) – may be driven by increasing comorbidity burden in regions with lower levels of socioeconomic development</li> <li>• Finding: increased mortality in the <i>Pardo</i> and Black populations (ethnicity effect) – may be related to differences in susceptibility to COVID-19 and access to health care</li> </ul>	
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## Infection Prevention and Control

Publication date	Title/URL	Journal/Article type	Summary	Keywords
02.07.2020	Community vulnerability to epidemics in Nepal: A high-resolution spatial assessment amidst COVID-19 pandemic	medRxiv (not peer-reviewed)   pre-print	<ul style="list-style-type: none"> <li>• Knowledge of community vulnerability to C19 could assist efficient deployment of available limited resources</li> <li>• This study assembled geospatial indicators to create 3 vulnerability indices to aid different tiers of the existing government in federal system of Nepal to prioritise and improve planning for disease intervention and especially so where C19 transmission could have high severity</li> </ul>	Community vulnerability, resources

## Therapeutics

Publication date	Title/URL	Journal/Article type	Summary	Keywords
03.07.2020	Convalescent plasma for COVID-19. A randomized clinical trial	medRxiv (not peer-reviewed)   pre-print	<ul style="list-style-type: none"> <li>• Convalescent plasma could be an inexpensive and widely available treatment for COVID-19</li> <li>• This randomised trial aimed to compare convalescent plasma with standard of care therapy in patients hospitalised with C19 in the Netherlands</li> <li>• The trial was halted prematurely though after enrolment of 86 patients. No difference in mortality (<math>p=0.95</math>), hospital stay (<math>p=0.68</math>) or day-15 disease severity (<math>p=0.58</math>) was observed between plasma treated patients and patients on standard of care</li> <li>• Most C19 patients have high neutralising antibody titres when admitted to hospital. Screening for antibodies may help identify those that may benefit most from convalescent plasma</li> </ul>	Convalescent plasma

## Indirect impact of COVID-19

Publication date	Title/URL	Journal/Article type	Summary	Keywords
01.07.2020	Beyond COVID-19: A whole of health look at impacts during the	CGD   Policy Paper	<ul style="list-style-type: none"> <li>• Substantial evidence has emerged relating to the potential magnitude of the indirect health effects of the C19 pandemic</li> <li>• This paper provides an overview of the lessons learned from previous</li> </ul>	Holistic approach, previous lessons

	pandemic response		<p>outbreaks and economic crises in relation to indirect health effects</p> <ul style="list-style-type: none"> <li>• Also proposes a framework for adopting a whole of health approach to the C19 response around 4 distinct by interrelated sets of impacts: economic, environmental, health systems, and social/behavioural</li> <li>• Authors apply this framework to discuss what is already known on the indirect health impacts of C19</li> </ul>	
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## Comments, Editorials, Opinions, Blogs, News

Publication date	Title/URL	Journal   Article type	Author(s)
04.07.2020	Offline” It’s time to convene nations to end this pandemic	The Lancet   Comment	Richard Horton
03.07.2020	‘I’m cautiously optimistic’: Imperial’s Robin Shattock on his coronavirus vaccine	The Guardian   News	Sarah Boseley
02.07.2020	Will covid-19 be the catalyst for a “new deal” for the health and wellbeing of women, children and adolescents?	BMJ   Blog	Helen Clark
02.07.2020	After COVID-19, a future for the world’s children?	The Lancet   Comment	The WHO-UNICEF-Lancet Commissioners
02.07.2020	EU guidance impedes humanitarian action to prevent COVID-19 in Syria	The Lancet Global Health   Comment	Hamid Yahya Hussain Kasturi Sen
02.07.2020	COVID-19 in the Caribbean small island developing states: lessons learnt from extreme weather events	The Lancet Global Health   Comment	Ian R Hambleton Selvi M Jeyaseelan

			Madhuvanti M Murphy
02.07.2020	Beyond lockdown – sustainable COVID control for low-income countries	CGD   Blog	Peter Baker  Jeremy Konyndyk  Patrick Saez  Kalipso Chalkidou
02.07.2020	Out of tragedy comes opportunity: how can global health multilateralism seize the moment?	CGD   Blog	Julia Kaufmann  Alexander Winch  Shu-Shu Tekle-Haimanot  Kalipso Chalkidou
01.07.2020	The need for COVID-19 research in low- and middle-income countries	Global Health Research and Policy   Commentary	Madhu Gupta et al.
01.07.2020	A framework for identifying the sources of indirect health effects of COVID-19	CGD   Blog	Y-Ling Chi  Lydia Regan  Cassandra Nemzoff  Carleigh Krubiner  Yasmine Anwar  Damian Walker
30.06.2020	WHO & Partners enhance support to COVID-19 response in Rohingya camps in Cox's Bazar	WHO   News	
30.06.2020	Emerging COVID-19 success story: Vietnam's commitment to containment	Our World In Data   Guest post	Todd Pollack et al.

29.06.2020	Healthcare technologies and COVID-19: speed is not always a good thing	CGD   Blog	Kalipso Chalkidou et al.
29.06.2020	“As One World we will be stronger” – We need words of hope, not war language	ARISE   Blog	Alfred Itunga Beate Ringwald
26.06.2020	WHO, partners unveil ambitious plan to deliver 2 billion doses of Covid-19 vaccine to high-risk populations	STAT  News	Helen Branswell

## Guidelines, Statements & Tools

Publication Date	Title/URL	Source	Summary
2020	Social Science Research for Vaccine Deployment in Epidemic Outbreaks	SSHAP   Tool	<ul style="list-style-type: none"> <li>• There is a need to understand different perspectives on vaccines and outbreaks to identify community perceptions surrounding vaccine use</li> <li>• This SSHAP Practical Approaches brief can be used by healthcare providers/NGOs, national and global-level policymakers, and industry actors to gain social science inputs in vaccine deployment efforts to provide practical solutions to re-occurring challenges, including vaccine refusal</li> </ul>

## 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	<a href="#">COVID-19 Oxford Vaccine Trial</a>
WEF		Sierra Leone	Oxford COVID-19 Government Response Tracker (OxCGRT)	US NIH	Our World in Data: COVID-19 Testing	COVID-19 Therapeutics Accelerator	
Our World in Data		Singapore	Our World in Data: COVID-19 Policy responses	COVID-evidence			
Global 5050		UK	<a href="#">IFPRI COVID-19 Policy Response Portal</a>	Cochrane			
CEBM, University of Oxford		US	<a href="#">COVID-19 Primer</a>	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	Coregroup 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	Epidemic Preparedness Innovations	Social Development Direct C19 blog series
UN Women	Africa Evidence Network	Elsevier	CMMID Repository		
UNOCHA	OCHA Southern and Eastern Africa COVID-19 Digest	Health Policy and Planning	Norwegian Institute of Public Health		
UNHCR	South African Government	JAMA Network	Oxford Centre for Evidence-based Medicine		
UNICEF		The Lancet	HEART		
UNESCO		medRxiv and bioRxiv (Preprints)	UKRI		
UN WFP		NEJM	Evidence Aid		
GOARN		Oxford University Press	NIH		
EPI-WIN		PLoS	IFPRI Resources and Analyses of C19 Impact		

World Bank		SAGE journals	Prevent Epidemics		
Our World in Data		Science			
COVID-19 Narratives by David Nabarro		Springer Nature			
Reliefweb		SSRN (Preprints)			
Humanitarian OpenStreetMap Team		Wiley			
Global Partnership for Sustainable Development Data					
WorldPop					
Flowminder					
COVID-END					
Premise COVID-19 Global Impact Study					
GISAID					

## Online learning & events

Date	Title/URL	Online learning/event	Duration	Lead
07.07.2020 1300-1430 BST	Fifth Annual Health Financing Forum (AHFF): Health Financing Resilience and Sustainability	Online event	1h 30	JLN, WB, USAID, GFF, GFF, CGD
30.06.2020 1000 BST	Clinical update: dexamethasone and hydroxychloroquine for treatment of severe COVID-19	Webinar		African Academy of Sciences
26.06.2020 0900 to 1030 EDT	Monitoring and mitigating the collateral effects of COVID-19	Online event	1h 30	CGD
13 July 3:00 PM – 6:00 PM BST	2020 UCL-Lancet Lecture: Global Health Preparedness by Dr Muhammad Pate, Global Director for Health, Nutrition and Population at the World Bank Group	Online Lecture	2 hour lecture, 1 hour panel discussion	UCL, The Lancet
June 2020	OpenWHO, the free, open-access learning platform for health emergencies, now offers 10 online courses related to COVID19.	Online courses	Varies	WHO
24- 25.06.2020	Africa's leadership role in COVID-19 vaccine development and access	Zoom webinar		African Union & Africa CDC

Available now	<a href="#">Standard precautions: Environmental cleaning and disinfection</a>	Online course	1 hour	WHO
Available now	<a href="#">COVID-19: Effective Nursing in Times of Crisis</a>	Online course	2 weeks – 2 hours per week	Johns Hopkins School of Nursing
Available now	<a href="#">WHO Academy and WHO Info mobile applications</a>	Mobile app		WHO
Available now	<a href="#">COVID-19: Pandemics, Modelling and Policy</a>	Online learning	2 weeks   2 hours weekly study	FutureLearn UNESCO UNITWIN Complex Systems Digital Campus/Open University
12.05.2020	<a href="#">COVID-19 and maintaining quality essential health services</a>	Webinar	1 hour	WHO & ISQua – Dr Shams Syed, Dr Peter Lachman, Dr Teri Rynolds & Dr Ed Kelley
11.5.2020	<a href="#">COVID-19 Contact Tracing course</a>	Online learning	5 hours	Johns Hopkins Bloomberg School of Health
7-28 May 2020	<a href="#">Virtual Evidence Weeks</a>	5 sessions	1h 30	International Initiative for Impact Evaluation (3ie)
Tuesdays at 1700 CEST (Geneva time) & Thursdays 0830 CEST (Geneva time)	<a href="#">COVID-19 Open online brief with Dr David Nabarro</a>	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

Millington, K.A. and Reddin, S. (2020). *COVID-19 Health Evidence Summary No.79*. K4D Evidence Summary. Brighton, UK: Institute of Development Studies.

## 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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