

# COVID-19

## Health Evidence Summary No.57

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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.*

### Clinical characteristics and management

Publication date	Title/URL	Journal/Article type	Summary	Keywords
04.06.20	Maternal and neonatal outcomes associated with COVID-19 infection: A systematic review	PLOS One   Research article	<ul style="list-style-type: none"> <li>• With limited understanding of the effects of COVID-19 during pregnancy, clinicians and patients are forced to make uninformed decisions.</li> <li>• Conclusions - COVID-19-positive pregnant women present with fewer symptoms than the general population and may be RT-PCR negative despite having signs of viral pneumonia. The incidence of preterm births, low birth weight, C-section, NICU admission appear higher than the general population.</li> </ul>	•

## Infection Prevention and Control

Publication date	Title/URL	Journal/Article type	Summary	Keywords
06.06.20	The impact of COVID-19 control measures on social contacts and transmission in Kenyan informal settlements	medRxiv   Preprint (not peer reviewed)	<ul style="list-style-type: none"> <li>• Study collected contact data from residents of informal settlements around Nairobi, Kenya to assess if control measures have changed contact patterns, and estimate the impact of changes on the basic reproduction number (R<sub>0</sub>).</li> <li>• COVID-19 control measures have had a large impact on direct contacts and therefore transmission, but have also caused considerable economic and food insecurity. Reductions in R<sub>0</sub> are consistent with the linear epidemic growth in Kenya and other sub-Saharan African countries that implemented similar, early control measures</li> </ul>	Masks, social contact
05.06.20	SARS-CoV-2 in environmental samples of quarantined households	medRxiv   Preprint (not peer reviewed)	<ul style="list-style-type: none"> <li>• Contaminated surfaces might have only a minor role in transmitting COVID-19 within households.</li> <li>• Ricarda Schmithausen at the University of Bonn in Germany and her colleagues looked for traces of the virus SARS-CoV-2 in 21 households that each included at least one infected person. The team found viral RNA in just 3% of samples from the most frequently touched objects, such as door knobs, and in 15% of samples taken from bathroom drains and toilets. The team could not grow infectious virus from any of the samples.</li> <li>• All 15 samples from air monitors designed to pick up fine respiratory aerosol particles tested negative for</li> </ul>	Surfaces

			<p>viral RNA, although the authors say that the method they used means this result should be interpreted cautiously.</p> <ul style="list-style-type: none"> <li>• The findings suggest that direct transmission of the coronavirus, for example through exhaled or coughed droplets, is probably the main route of infection. However, transmission in wastewater is a possible route of infection, the authors add.</li> </ul>	
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## Comments, Editorials, Opinions, Blogs, News

Publication date	Title/URL	Journal   Article type	Author(s)
06.06.20	<a href="#">COVID-19 vaccine development pipeline gears up</a>	Lancet   World Report	Asher Mullard
05.06.20	<a href="#">The WHO we want</a>	Lancet   Comment	Olivier Nay, Marie-Paule Kiény, Lelio Marmora, Michel Kazatchkine
05.06.20	<a href="#">False Negative Tests for SARS-CoV-2 Infection — Challenges and Implications</a>	NEJM   Perspectives	Steven Woloshin, Neeraj Patel, and Aaron S. Kesselheim,
05.06.20	<a href="#">Caring for Women Who Are Planning a Pregnancy, Pregnant, or Postpartum During the COVID-19 Pandemic</a>	JAMA Insights	Sonja A. Rasmussen, Denise J. Jamieson
04.06.20	<a href="#">Kenya: Govt to Roll Out Home-Based Care for COVID-19 Patients, Kagwe Says</a>	All Africa	

04.06.20	Kenya: Fistula Patients Suffer in Silence Amid COVID-19	All Africa	
05.06.20	An urgent call to address the nutritional status of women and children in Nepal during COVID-19 crises	International journal for equity in health   Commentary	
08.06.20	India coronavirus: Patients stranded as Delhi struggles with Covid	BBC	
06.06.20	Infections are rising fast in Bangladesh, India and Pakistan	Economist	
07.06.20	S.Africa government, private hospitals agree deal on COVID-19 patients	Reuters	

## 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	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		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	<a href="#">Standard precautions: Environmental cleaning and disinfection</a>	Online course	1 hour	WHO
16.06.2020	<a href="#">Africa beyond COVID-19</a>	Virtual event	1h 30 hours	ODI
15.06.2020	<a href="#">Poverty monitoring in the context of Covid-19</a>	Virtual event	1h 15	ODI
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	<a href="#">Professor Chris Whitty's Gresham lecture on COVID-19</a>	Event	1h 20	Gresham College
Available now	<a href="#">Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control</a>	Online learning	3 hours	WHO
Available now	<a href="#">Responding to COVID-19: Real-time training for the</a>	Online learning	Multiple self-paced course	WHO

	coronavirus disease outbreak			
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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