



COVID-19

Health Evidence Summary No.28

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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 evidence.

COVID-19 Preparedness and Response

Publication date	Title/URL	Journal/Article type	Summary
29.04.2020	Remdesivir in adults with severe COVID-19: a randomised, double-blind, placebo-controlled, multicentre trial	The Lancet Article	<ul style="list-style-type: none"> • First randomised trial of remdesivir suggests this antiviral drug was not associated with statistically significant clinical benefit in adult patients admitted to hospital for severe COVID-19 beyond standard care: study of 237 adults from 10 hospitals in Wuhan • Note that the trial was stopped early by the data safety monitoring board and did not reach the predetermined sample size due to the outbreak being brought under control in China • Absence of significance in an underpowered trial means findings are inconclusive • Time to clinical improvement and duration of invasive mechanical ventilation were shorter in people treated with remdesivir within 10 days of showing symptoms, compared with standard care

27.04.2020	Aerodynamics analysis of SARS-CoV-2 in two Wuhan hospitals	Nature Article	<ul style="list-style-type: none"> • Potential for transmission of SARS-CoV-2 via aerosol is poorly understood • This study measured viral RNA (note <i>not</i> infectivity of aerosolised virus) in aerosols in different areas of two Wuhan hospitals during the C19 outbreak in February and March 2020 • The concentration of SARS-CoV-2 RNA in aerosols detected in isolation wards and ventilated patient rooms was very low and undetectable in the majority of public areas, but higher in the patients' toilet areas and in public areas prone to crowding • Room ventilation, open space, sanitisation of protective apparel, and proper use and disinfection of toilet areas can effectively limit the concentration of SARS-CoV-2 RNA in aerosols.
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Guidelines, Statements & Tools

Publication Date	Title/URL	Source	Description
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	Inter-Agency Standing Committee (IASC)	IASC	
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Comments, Editorials, Correspondence, Blogs, News

Publication date	Title/URL	Journal Publication type
29.04.2020	Remdesivir for COVID-19: challenges of underpowered studies	The Lancet Comment
28.04.2020	Immunotherapies for COVID-19: lessons learned from sepsis	The Lancet Respiratory Medicine Comment
28.04.2020	Limiting the spread of COVID-19 in Africa: one size mitigation strategies do not fit all countries	The Lancet Correspondence
28.04.2020	Covid-19 - A reminder to reason	NEJM Perspective
28.04.2020	The race for coronavirus vaccines: a graphical guide	Nature News Feature
28.04.2020	Let Africa into the market for COVID-19 diagnostics	Nature World View
27.04.2020	Whose coronavirus strategy worked best? Scientists hunt most effective policies	Nature News
28.04.2020	Pick of the coronavirus papers: 'Dry swabbing' offers a workaround to test-chemical scarcity	Nature News
28.04.2020	Learning to live with the new coronavirus: anticipation, articulation, adaptation and accountability	Dr David Nabarro C19 Narrative

Tracking Dashboards

Cases & deaths: Global	Cases & deaths: Regional	Cases & deaths: Country	Diagnostics	Treatments	Vaccines
WHO sitreps	WHO Africa	Ghana	FIND SARS-CoV-2 Test Tracker	Global COVID-19 Clinical Trial Tracker	CEPI
WHO dashboard	African Arguments	Indonesia	Serology-based tests for COVID-19	US registered clinical trials	NIH Vaccine Centre LSHTM
Johns Hopkins University	European CDC	Nigeria CDC		Solidarity trial	
WEF		Sierra Leone		COVID-19 Therapeutics Accelerator	
Our World in Data		Singapore			
Global 5050		UK			
CEBM, University of Oxford		US			
Humanitarian Data Exchange					
Information is Beautiful					
LSHTM					
HealthMap (cases)					

The Commons Project					
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C19 Resource Hubs

Global	Regional & Country	Academic journals & Publishers	Global Health Institutes/Centres	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		PLoS	CMMID Repository		

UNOCHA		Wiley Health Economics	Norwegian Institute of Public Health		
UNHCR		Pre-prints medRxiv and bioRxiv	CEBM, University of Oxford		
UNICEF			HEART		
UNESCO					
UN WFP					
GOARN					
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					
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Online learning & events

Date	Title/URL	Online learning/event	Duration	Lead
30.04.2020 0730 BST	COVID-19 open online briefing with Dr David Nabarro	Event		4SD
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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About this report

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