

COVID-19

Health Evidence Summary No.73

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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 |
|------------------|---|---------------------------------|--|--------------------------------|
| 25.06.2020 | Neurological and neuropsychiatric complications of COVID-19 in 153 patients: a UK-wide surveillance study | The Lancet Psychiatry Article | <ul style="list-style-type: none"> • First known nationwide, cross-speciality surveillance study of acute neurological and psychiatric complications of COVID-19 • Altered mental status was the second most common presentation, comprising encephalopathy or encephalitis and primary psychiatric diagnoses, often occurring in younger patients • Valuable and timely data for clinicians, researchers and | Neurological, neuropsychiatric |

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| | | | fundlers to inform immediate next steps in C19 neuroscience research and health policy | |
| 25.06.2020 | COVID-19 in children and adolescents in Europe: a multinational, multicentre cohort study | The Lancet Child & Adolescent Health | <ul style="list-style-type: none"> • Included as data on paediatric C19 remains few and mostly from China • C19 is a generally mild disease in children, including infants • A small proportion though do develop severe disease requiring ICU admission and prolonged ventilation, although fatality is rare • Data reflects current uncertainties over treatment options | children |

Vaccines

| Publication date | Title/URL | Journal/Article type | Summary | Keywords |
|------------------|--|---|--|------------------------------------|
| 20.06.2020 | Evaluation of the immunogenicity of prime-boost vaccination with the replication-deficient viral vectored COVID-19 vaccine candidate ChAdOx1 nCoV-19 | bioRxiv (non-peer reviewed) pre-print | <ul style="list-style-type: none"> • A single dose of ChAdOx1 nCoV-19 induced antigen-specific antibody and T cell responses in mice and pigs • A booster immunisation enhanced antibody responses, especially in pigs, with a significant increase in SARS-CoV-2 neutralising titres • These results suggest that it may be possible to boost efficacy of the Oxford vaccine with a second follow-up vaccination | ChAdOx1 nCoV-19, prime-boost, pigs |

Indirect impact of COVID-19

| Publication date | Title/URL | Journal/Article type | Summary | Keywords |
|------------------|---|---|--|------------------|
| 25.06.2020 | Attendance to HIV antiretroviral collection clinic appointments during COVID-19 lockdown. A single center study in Kigali, Rwanda | Aids and Behaviour Notes from the field | <ul style="list-style-type: none"> • Cross-sectional study at the University Teaching Hospital of Kigali, ART clinic • Note limitations of generalisability of findings from a single-center study and factors reported do not show causality. Findings do though warrant further formative research | HIV care, Rwanda |

Comments, Editorials, Opinions, Blogs, News

| Publication date | Title/URL | Journal Article type | Author(s) |
|------------------|--|------------------------------------|--|
| 27.06.2020 | Generation coronavirus? | The Lancet Editorial | |
| 27.06.2020 | Access to health care under threat in Afghanistan | The Lancet World Report | Sharmila Devi |
| 27.06.2020 | Offline: The second wave | The Lancet Comment | Richard Horton |
| 26.06.2020 | Act-Accelerator update | WHO News | |
| 25.06.2020 | Rohingya refugees at high risk of COVID-19 in Bangladesh | The Lancet Global Health Comment | Mohammad Mainul Islam MD Yeasir Yunus |

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| 25.06.2020 | Are we ready to mitigate the impacts of COVID-19 on family planning and contraceptives? | GFF Blog | Brendan Hayes Michelle Weinberger Julia White John Skibiak |
| 25.06.2020 | The state of health care quality measurement in the era of COVID-19 | JAMA Viewpoint | J. Matthew Austin Allen Kachalia |
| 25.06.2020 | Emerging lessons from community-led COVID-19 responses in urban areas | IIED | |

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 |

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|----------------------------|--|--------------|---|--------------------|--------------------------------|-----------------------------------|--|
| 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 | | |

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|--------------------------------------|--------------------------|---------------------------------|--|--|--|
| | 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 | | | | | |

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|--------------------------------------|--|--|--|--|--|
| 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 |
|-------------------------------------|---|-----------------------|---|-----------------------------|
| 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 |

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|---------------|---|-----------------|--------------------------------|--|
| 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 | Standard precautions: Environmental cleaning and disinfection | Online course | 1 hour | WHO |
| Available now | COVID-19: Effective Nursing in Times of Crisis | Online course | 2 weeks – 2 hours per week | Johns Hopkins School of Nursing |
| 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 |

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|---|---|-----------------|--------------------------------|--|
| 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 |

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|---------------|---|-----------------|-------------------------------|---|
| 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

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