

COVID-19 evidence and information resources for slums and other resource constrained settings

Practical
guidelines

Research
evidence

News & blog
articles

Other info &
resources

What's new? (added since previous update)

To access information, click on any of the **coloured buttons** or on the hyperlinked text within the boxes

Developed and maintained by the UK National Institute for Health Research (NIHR) Global Health Research Unit for Improving Health in Slums. Latest version is accessible at:

<https://warwick.ac.uk/fac/sci/med/about/centres/cahrd/slums/news/>

Last updated: 27 April 2020

COVID-19 Evidence and information resources: background

Aim

This file/document aims to collate key research evidence and other publicly available information that may help with decision making in understanding and dealing with the challenges posed by the COVID-19 pandemic. The information should be valuable for everyone, although the primary audience for this file/document are health researchers, health care professionals and decision makers who are working for/with residents of slums and other resource-constrained urban settings.

Aspiration

This file/document is intended to be a 'living' file/document that is continued to be updated. The initial content is drawn from generic international literature and other information gathered from research partners of the Improving Health in Slums Collaborative who are primarily based in Bangladesh, Kenya, Nigeria and Pakistan and UK. It is hoped that the content and format of this file/document will continue to evolve and improve, with its geographic coverage expanded while its focus more specialised to become a prime resource for people who endeavour to improve health in slums and beyond in the face of COVID-19.

What's new (added since previous update)

Brief

Social Science in Humanitarian Action: Key considerations: COVID-19 in informal urban settlements

Research paper

Abuya T, et al. COVID-19-related knowledge, attitudes, and practices in urban slums in Nairobi, Kenya, 2020

Acuto M. COVID-19: Lessons for an Urban(izing) World. One Earth, 24 April 2020

Evidence summaries & portals

JBI Coronavirus Special Collection: infection control & prevention for health professionals and organisations

meta|Evidence COVID-19: Live meta-analyses and evidence synthesis of potential therapies for COVID19

COVID-END: collection of open access evidence resources by McMaster Forum

Research funding

NIHR Research Design Service London: comprehensive listing of funding opportunities

News & blogs

Global COVID-19 collection: series of blogs/articles on the impact of COVID-19 on sustainable development

Recent news coverage

Resources

Social Science for Humanitarian Action – updates on the novel COVID-19 outbreak

Practical guidelines & briefings

Social Science in Humanitarian Action

Key considerations: COVID-19 in informal urban settlements

WHO

Interim guidance on scaling-up COVID-19 outbreak in readiness and response operations in camps and camp-like Settings (jointly developed by IFRC, IOM, UNHCR and WHO)

COVID-19: How to include marginalized and vulnerable people in risk communication and community engagement

Practical guidelines – WHO (2)

Other technical guidance

- Critical preparedness, readiness and response actions for COVID-19
- Country-level coordination, planning, and monitoring
- Surveillance, rapid response teams, and case investigation
- National laboratories
- Clinical care
- Infection prevention and control / WASH

- Risk communication and community engagement
- COVID-19 Critical items & essential supplies forecasting tool
- Guidance for schools, workplaces & institutions
- Early investigations protocols
- Points of entry and mass gatherings
- Health workers
- Maintaining essential health services and systems

COVID-19: Research evidence & activities

Evidence
maps

Evidence
summaries

Ongoing
research

Research
opportunities

Knowledge, attitude
& behaviour

Epidemiology &
risk modelling

Management
& treatment

Detection &
tracing methods

Service delivery,
policy & planning

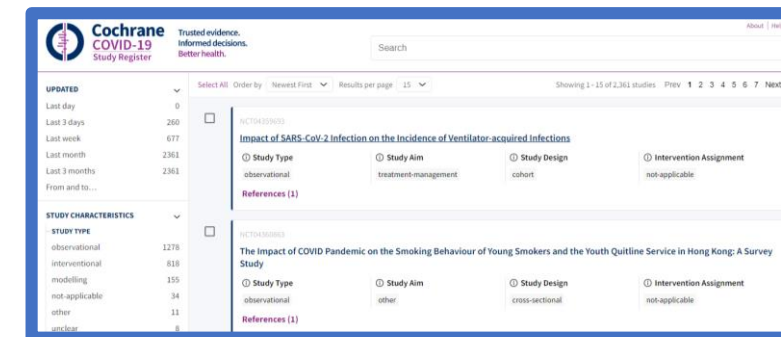
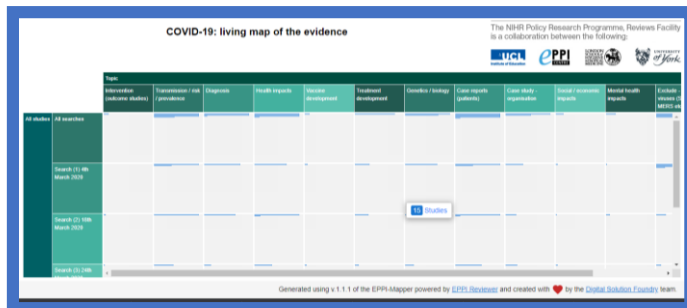
Case reports

COVID-19: Research evidence – evidence portals

EPPI Centre: COVID-19 living systematic map of the evidence
Evidence sorted by type of research question/evidence

Campbell Collaboration
UK & Ireland
Evidence mapped geographically
and sorted by study design

Cochrane COVID-19
Study Register
Indexed and searchable
records of primary studies of
all design



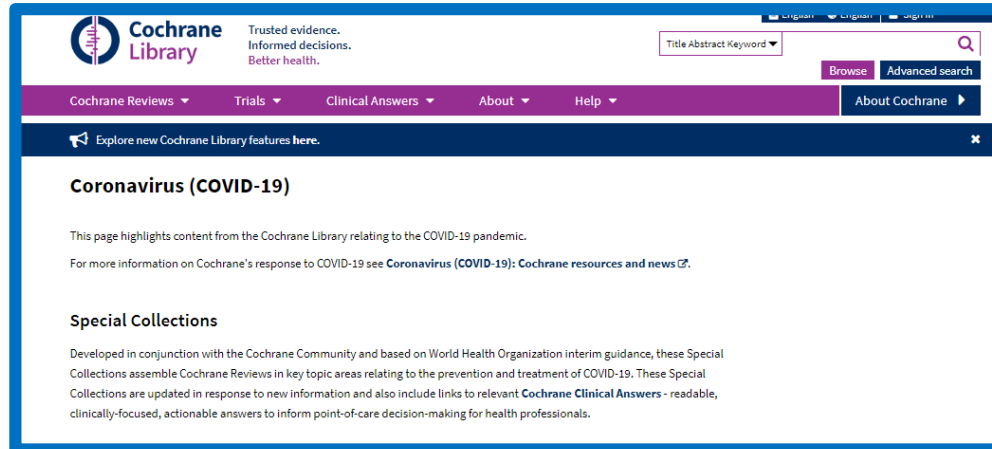
[Back to title page](#)

[Back to Research](#)

COVID-19: Research evidence – evidence summaries (1)

Cochrane Library Coronavirus (COVID-19) resources

Special collections on critical care, infection control and prevention measures, effective options for quitting smoking during the pandemic; and rapid reviews in progress



Oxford COVID-19 Evidence Service

Synopses of critically appraised evidence on commonly asked questions related to COVID-19 pandemic



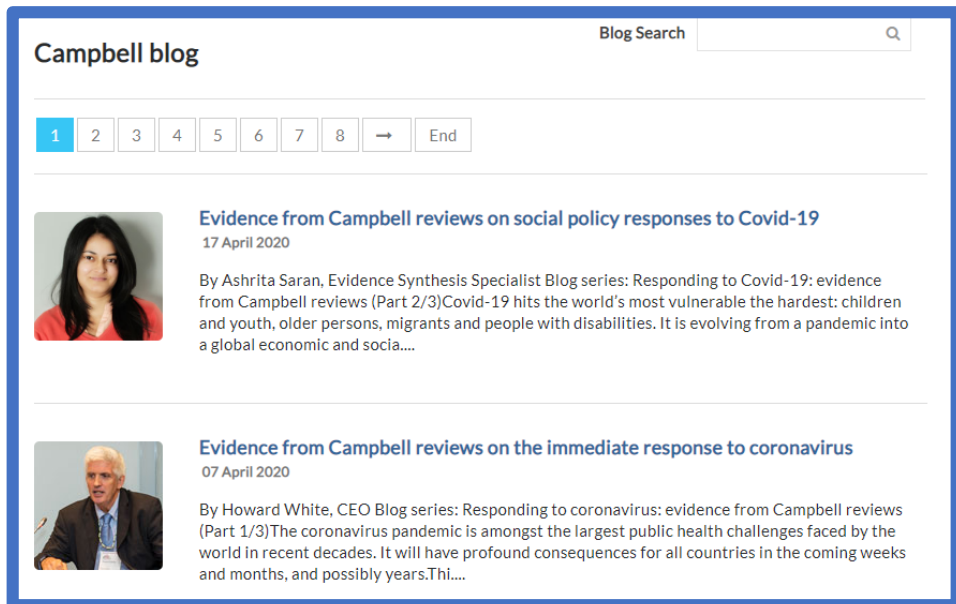
[Back to title page](#)

[Back to Research](#)

COVID-19: Research evidence – evidence summaries (2)

Campbell Collaboration

A series of blog articles that introduce evidence reviews produced by the Campbell Collaboration relevant to social policy and COVID-19 pandemic



The screenshot shows the Campbell blog interface. At the top, there is a 'Campbell blog' title and a 'Blog Search' bar. Below this is a pagination bar with numbers 1 through 8, a right arrow, and an 'End' button. The first article is titled 'Evidence from Campbell reviews on social policy responses to Covid-19' by Ashrita Saran, dated 17 April 2020. The second article is titled 'Evidence from Campbell reviews on the immediate response to coronavirus' by Howard White, dated 07 April 2020.

Campbell blog Blog Search

1 2 3 4 5 6 7 8 → End

Evidence from Campbell reviews on social policy responses to Covid-19
17 April 2020

By Ashrita Saran, Evidence Synthesis Specialist Blog series: Responding to Covid-19: evidence from Campbell reviews (Part 2/3) Covid-19 hits the world's most vulnerable the hardest: children and youth, older persons, migrants and people with disabilities. It is evolving from a pandemic into a global economic and social....

Evidence from Campbell reviews on the immediate response to coronavirus
07 April 2020

By Howard White, CEO Blog series: Responding to coronavirus: evidence from Campbell reviews (Part 1/3) The coronavirus pandemic is amongst the largest public health challenges faced by the world in recent decades. It will have profound consequences for all countries in the coming weeks and months, and possibly years. Thi....

Joanna Briggs Institute (JBI) COVID-19 Special Collection

Evidence summaries produced by JBI on best evidence related to infection control and prevention measures for health professionals and organisations



The screenshot shows the JBI COVID-19 Special Collection webpage. The header includes the University of Adelaide and JBI logos, and navigation links for 'ABOUT JBI', 'GLOBAL REACH', 'EDUCATION', 'RESEARCH & CONSULTANCY', and 'EBP RESOURCES'. The main content area features the title 'COVID-19 SPECIAL COLLECTION' and the subtitle 'Evidence-based infection prevention and control'. A large image of a coronavirus particle is on the right. At the bottom, it states 'Evidence-based resources for health professionals and health organisations'.

THE UNIVERSITY OF ADELAIDE JBI

ABOUT JBI GLOBAL REACH EDUCATION RESEARCH & CONSULTANCY EBP RESOURCES

COVID-19 SPECIAL COLLECTION

Evidence-based infection prevention and control

Evidence-based resources for health professionals and health organisations

[Back to title page](#)

[Back to Research](#)

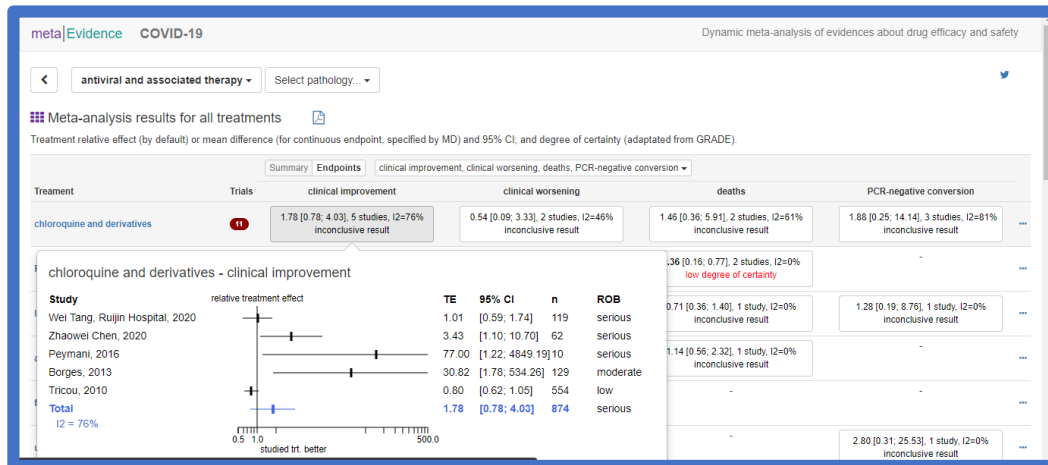
COVID-19: Research evidence – evidence summaries (3)

meta Evidence – COVID-19

Live meta-analysis and evidence synthesis of potential therapies for COVID19

COVID-END Evidence Resource

Evidence portal covering links to different evidence resources collated by McMaster Forum



McMaster University

Our network of sites

COVID-END HEALTH FORUM RISE

COVID-END

>> LET'S COLLABORATE



Scoping Engaging Digitizing Synthesizing Recommending Packaging Sustaining Let's collaborate

[Back to title page](#)

[Back to Research](#)

Research: Knowledge, attitude & behaviour

Survey

Abuya T, et al. COVID-19-related knowledge, attitudes, and practices in urban slums in Nairobi, Kenya, 2020, Harvard Dataverse, V7.

COVID-19: Research evidence – epidemiology (1)

Transmission of viral infection in slums (not COVID-19)

1. Goes LGB, et al. **Typical epidemiology of respiratory virus infections in a Brazilian slum.** J Med Virol 2019; 10.1002/jmv.25636. <http://dx.doi.org/10.1002/jmv.25636>
2. Verma R, et al. **Community perception about swine flu in an urban slum of Haryana: A cross-sectional study.** J Family Med Prim Care 2018;7:1515-20. http://dx.doi.org/10.4103/jfmprc.jfmprc_151_18
3. Adiga A, et al. **Disparities in spread and control of influenza in slums of Delhi: findings from an agent-based modelling study.** BMJ Open 2018;8:e017353. <http://dx.doi.org/10.1136/bmjopen-2017-017353>
4. Rahman M, et al. **Molecular analysis of amantadine-resistant influenza A (H1N1 pdm09) virus isolated from slum dwellers of Dhaka, Bangladesh.** Virus Genes 2017;53:377-85. <http://dx.doi.org/10.1007/s11262-017-1447-x>
5. Gurav YK, et al. **Influenza A(H1N1)pdm09 outbreak detected in inter-seasonal months during the surveillance of influenza-like illness in Pune, India, 2012-2015.** Epidemiol Infect 2017;145:1898-909. <http://dx.doi.org/10.1017/s0950268817000553>
6. Rahman SR, et al. **Effect of risk factors on the prevalence of influenza infections among children of slums of Dhaka city.** Springerplus 2016;5:602. <http://dx.doi.org/10.1186/s40064-016-2275-5>

COVID-19: Research evidence – epidemiology (2)

Transmission of viral infection in slums (not COVID-19)

7. Oliveira CR, et al. **Influenza-like illness in an urban community of Salvador, Brazil: incidence, seasonality and risk factors.** BMC Infect Dis 2016;16:125. <http://dx.doi.org/10.1186/s12879-016-1456-8>
8. Judd MC, et al. **The Role of HIV in the Household Introduction and Transmission of Influenza in an Urban Slum, Nairobi, Kenya, 2008-2011.** J Infect Dis 2015;212:740-4. <http://dx.doi.org/10.1093/infdis/jiv106>
9. Islam MA, et al. **Antigenic and genetic characterization of influenza B viruses in 2012 from slums, Dhaka, Bangladesh.** Southeast Asian J Trop Med Public Health 2015;46:611-5.
10. Goutard FL, et al. **How to reach the poor? Surveillance in low-income countries, lessons from experiences in Cambodia and Madagascar.** Prev Vet Med 2015;120:12-26. <http://dx.doi.org/10.1016/j.prevetmed.2015.02.014>
11. Doshi S, et al. **Household-level risk factors for influenza among young children in Dhaka, Bangladesh: a case-control study.** Trop Med Int Health 2015;20:719-29. <http://dx.doi.org/10.1111/tmi.12475>
12. Breiman RF, et al. **Severe acute respiratory infection in children in a densely populated urban slum in Kenya, 2007-2011.** BMC Infect Dis 2015;15:95. <http://dx.doi.org/10.1186/s12879-015-0827-x>

COVID-19: Research evidence – epidemiology (3)

Transmission of viral infection in slums (not COVID-19)

13. Imai C, et al. **Tropical influenza and weather variability among children in an urban low-income population in Bangladesh.** Glob Health Action 2014;7:24413. <http://dx.doi.org/10.3402/gha.v7.24413>
14. Schwanke Khilji SU, et al. **Distribution of selected healthcare resources for influenza pandemic response in Cambodia.** Int J Equity Health 2013;12:82. <http://dx.doi.org/10.1186/1475-9276-12-82>
15. Bigogo GM, et al. **Epidemiology of respiratory syncytial virus infection in rural and urban Kenya.** J Infect Dis 2013;208 Suppl 3:S207-16. <http://dx.doi.org/10.1093/infdis/jit489>
16. Abdullah Brooks W, et al. **Influenza A and B infection in children in urban slum, Bangladesh.** Emerg Infect Dis 2007;13:1507-8. <http://dx.doi.org/10.3201/eid1310.070368>

[Back to title page](#)

[Back to Research](#)

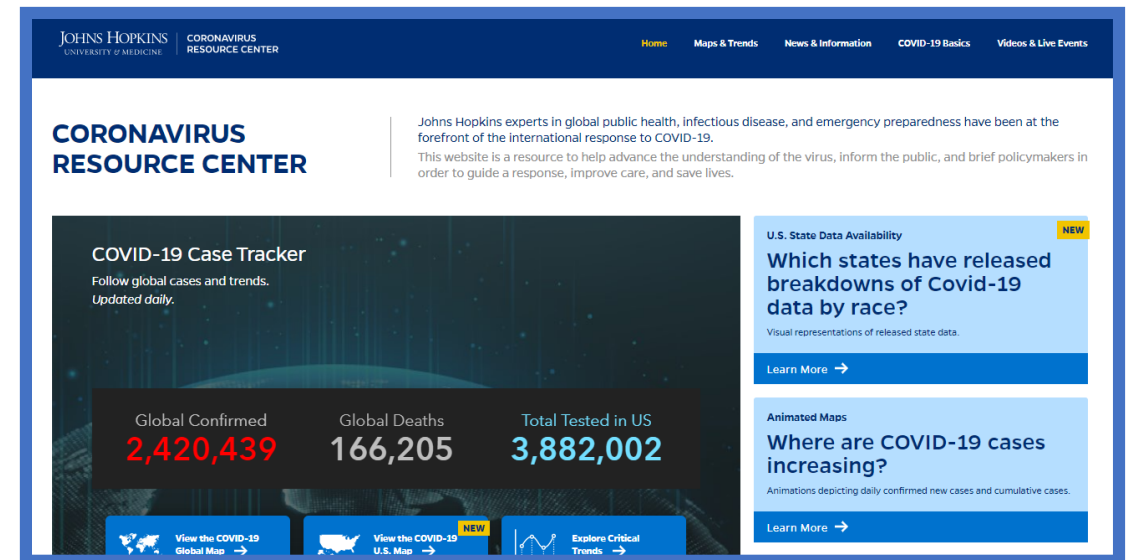
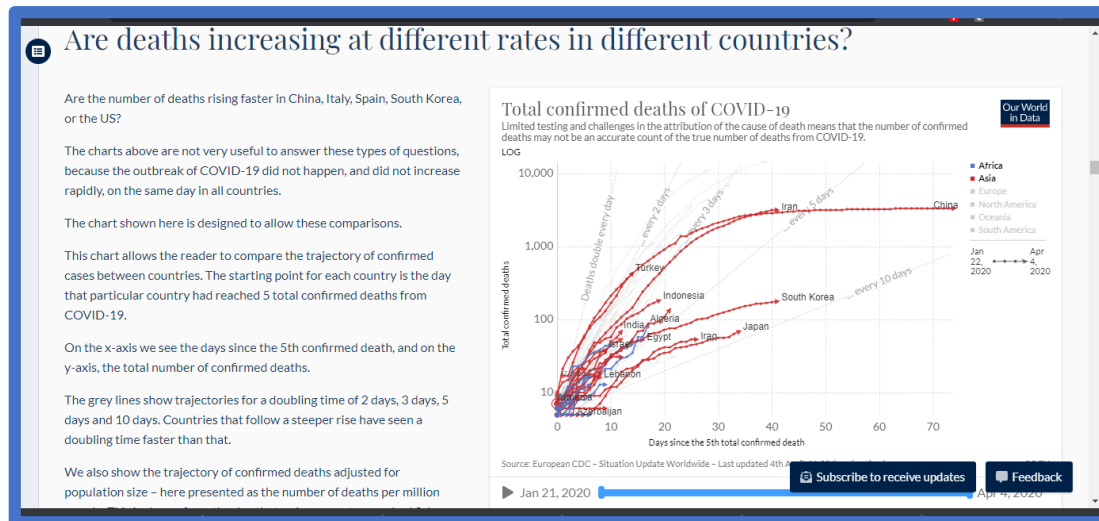
COVID-19: Research evidence – epidemiology (4)

Our World in Data (University of Oxford)

International COVID-19 statistics presented in interactive formats, based on data from the European Centre for Disease Control and Prevention

Johns Hopkins Coronavirus Resource Center

Global cases and trends, updated daily; news and info



[Back to title page](#)

[Back to Research](#)

COVID-19: Research evidence – policy & planning

Discussion paper, commentaries, editorials

Corburn et al. **Slum Health: Arresting COVID-19 & Improving Well-Being in Urban Informal Settlements**. Journal of Urban Health; 5 April 2020.

Acuto M. **COVID-19: Lessons for an Urban(izing) World**. One Earth, 24 April 2020

Lee VJ et al. **Epidemic preparedness in urban settings: new challenges and opportunities**. Lancet Infect Dis 2020; 27 March.

Editorial. **Redefining vulnerability in the era of COVID-19**. Lancet 2020;395:1089.

Feasibility – social distancing

Gibson L et al. **Novel Coronavirus in Cape Town Informal Settlements: Feasibility of Using Informal Dwelling Outlines to Identify High Risk Areas for COVID-19 Transmission From A Social Distancing Perspective**. JMIR Public Health and Surveillance 2020;6(2):e18844.

[Back to title page](#)[Back to what's new](#)[Back to Research](#)

COVID-19: Research opportunities (1) – UK NIHR

Information from UK Critical Care Research Group

- All the latest information about studies on the NIHR website [NIHR's response to COVID-19](#) including [Details of the process and the new single point of entry for prioritising COVID-19 studies](#) and application form: [High priority COVID-19 Urgent Public Health Research application](#)
- Studies do not have to secure funding before submission and, with regard to [HRA approvals](#), researchers should make an application through the **national prioritisation process first** and will be signposted for expedited regulatory approvals so that approval review can progress in parallel to the system of assessment leading to a view from CMO/DCMO on prioritisation. A [live list of these studies](#) is being collated and updated. To Read the [full statement](#) published by NIHR and the [Q&A document](#). The CMO letter only lists the 3 main studies and the NIHR were keen to acknowledge there will be more are encouraged to open all that they can.

COVID-19: Research opportunities (2)

UK Research & Innovation (UKRI)



Home > Funding > Funding opportunities > Get funding for ideas that address COVID-19

Get funding for ideas that address COVID-19

- **Project length:** Up to 18 months
- **Closing date:** none - apply at any time
- **Funding:** 80% of the full economic cost (FEC)
- **Award range:** There is no specific budget for this call. We are interested in funding research of any scale that can demonstrate it will deliver impact in the project length.

Proposals are invited for short-term projects addressing and mitigating the health, social, economic, cultural and environmental impacts of the COVID-19 outbreak.

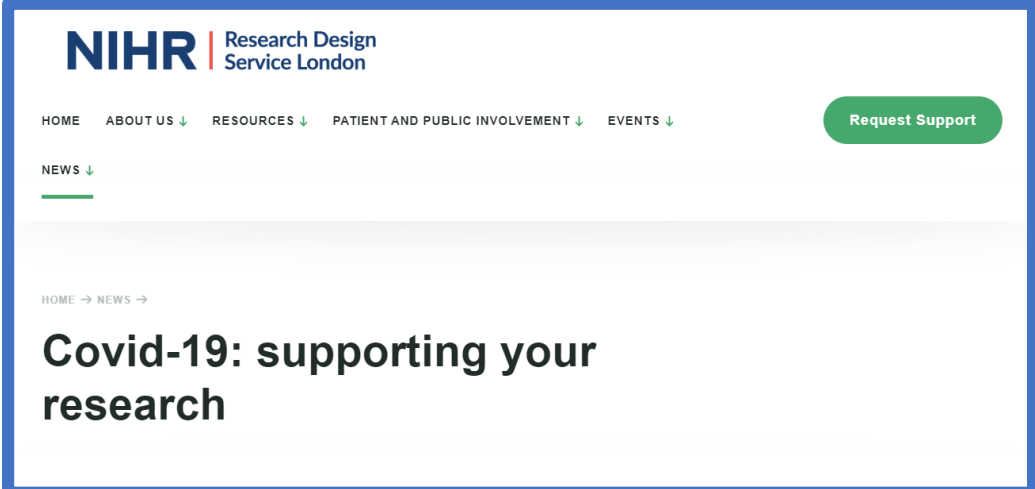
UKRI will support excellent proposals up to 18 months duration which meet at least one of the following:

- new research or innovation with a clear impact pathway that has the potential (within the period of the grant) to deliver a significant contribution to the understanding of, and response to, the COVID-19 pandemic and its impacts.
- supports the manufacture and/or wide scale adoption of an intervention with significant potential
- gathers critical data and resources quickly for future research use

If a grant is awarded, we will provide funding at 80% of the FEC.

NIHR Research Design Service London

List of funding opportunities



NIHR | Research Design Service London

HOME ABOUT US ↓ RESOURCES ↓ PATIENT AND PUBLIC INVOLVEMENT ↓ EVENTS ↓

NEWS ↓

Request Support

HOME → NEWS →

Covid-19: supporting your research

[Back to title page](#)

[Back to Research](#)

COVID-19: News coverage (1) – special articles

NIHR ARC West Midlands - COVID-19: Locking down urban settlements in Sub-Saharan Africa



IIED (International Institute for Environment and Development) collection: Coronavirus - The impact of COVID-19 on sustainable development



COVID-19: on the front line where crisis meets normal



The impact of the COVID-19 lockdown on the diets of Hanoi's urban poor



COVID-19: IIED in the media



Will COVID-19 leave fuel-rich African countries gasping for breath?



COVID-19 and global economic ordering: radical shift or more of the same?



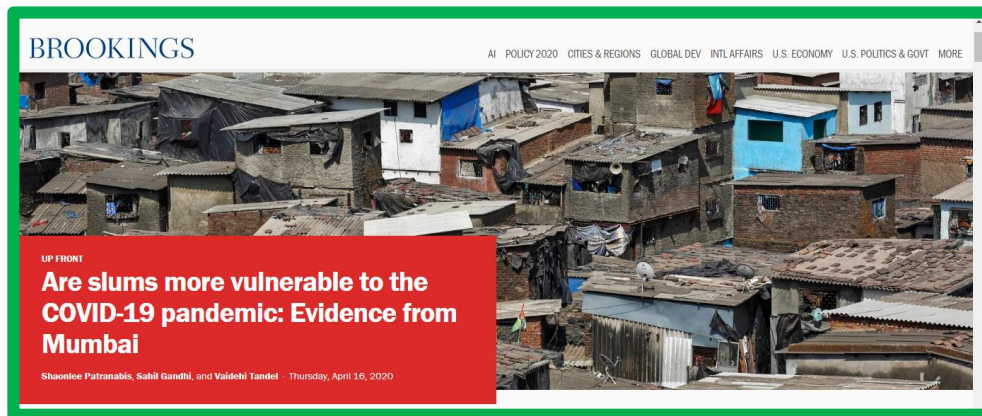
Transitioning to a better global 'new normal'

[Back to title page](#)

COVID-19: News coverage (2) – special articles

**16 April 2020 Brookings -
Are slums more vulnerable to the
COVID-19 pandemic: Evidence
from Mumbai**

**1 April 2020 The New Humanitarian:
Coronavirus in the city: A Q&A on
the catastrophe confronting the
urban poor**



COVID-19: special articles (3)

27 March 2020
Global Dashboard)

How to tackle coronavirus in slums

13 March 2020 LSE
(London School of Economics and
Political Science)

**What is the impact of COVID-19 in informal
settlements?**

COVID-19: News coverage (1)

27 April 2020 Scroll.in: Coronavirus: Mumbai's Dharavi slum records sharp drop in new cases as Maharashtra tally nears 7,000

26 April 2020 Times of India: Slum dwellings pose challenge as Mumbai fights coronavirus outbreak

25 April 2020 Mumbai Mirror: Dharavi records 21 new cases, total cases from the slum stand at 241

24 April 2020 Financial Times: India's biggest slum tests Modi's coronavirus response

23 April 2020 Dhaka Tribune: Survey: People want timely distribution of govt aid amid coronavirus pandemic

COVID-19: News coverage (2)

22 April 2020 NY Times: 'Instead of Coronavirus, the Hunger Will Kill Us.' A Global Food Crisis Looms

20 April 2020 Telegraph: 'Using the poor as guinea pigs': Mumbai to test controversial coronavirus drugs on slum dwellers

16 April 2020 DW: Coronavirus in slums: Helpers left high and dry in infection hot spots

15 April 2020 CNN (video): 'Chaos' in Kenyan slum as Covid-19 takes toll

15 April 2020 NY Times: 'Will we die hungry?' A teeming Manila slum chafes under lockdown

15 April 2020 BBC: Coronavirus: Why lockdowns may not be the answer in Africa

COVID-19: News coverage (3) - earlier

12 April 2020 France 24: Virus cases, deaths rise in India's biggest slum

9 April 2020 DW: Under coronavirus lockdown, Delhi slum residents struggle to get water

6 April 2020 BBC: Coronavirus: The race to stop the virus spread in Asia's 'biggest slum'

4 April 2020 CNN: Doctors say India must prepare for an 'onslaught' as one of Asia's biggest slums reports first coronavirus death

3 April 2020 RTE: Indian police cordon off parts of Asia's biggest slum after coronavirus deaths

2 April 2020 ITV: India's largest slum records first coronavirus case

1 April 2020 CNN: Migrant workers sprayed with disinfectant in one Indian state

28 March 2020 Reuters: Brazilian rapper warns of coronavirus danger in Brazil's slums

25 March 2020 Guardian: Brazil gangs impose strict curfews to slow coronavirus spread

COVID-19: other information & resources (1)

Africa Evidence Network

Website: new evidence, examples of evidence-use & experiences of evidence-use on the African continent during COVID-19

Social Science in Humanitarian Action

Website: a resource collection including briefs, blogs and other documents related to social dimensions of COVID-19, covering policy, evidence and governance; public health measures; death, burials and mourning; vulnerabilities and precarity; communication and engagement

Coronavirus Tech Handbook

Website: a crowd-sourced online portal allowing anyone to post & organise links to useful tools on anything related to COVID-19

WHO training materials

Videos: real-time training in national languages

COVID-19: other information & resources (2)

Photo/video coverage of
Kibera slums in
Instagram by @nicholesobecki on an
assignment for the National Geographic

Video: Kenya fashion designer David Avido distributed handmade, colourful face masks for free in the Kibera informal settlement

Photo: A mural reading “Let’s fight CORONA together” is painted on the side of a storefront by Art360 Kibera, a local gallery and creative hub

Video: Streets remain busy in the Kibera informal settlement

COVID-19 evidence & information resources for slums

Acknowledgement, disclaimer & contact

Acknowledgement

The National Institute for Health Research (NIHR) Global Health Research Unit for Improving Health in Slums is funded by the UK NIHR Global Health Research Programme. The views expressed are those of the authors and not necessarily those of the NIHR or the Department of Health and Social care. We thank the enormous effort behind the creation of each of the original sources of evidence and information cited in this document.

Disclaimer

Every effort is made to ensure that the linkages provided in this file are accurate and that the information sources are trustworthy. The inclusion of evidence and information in this document does not guarantee the accuracy of the linked contents, which the users are encouraged to critically appraise.

Contact

Please contact Dr Yen-Fu Chen (Y-F.Chen@warwick.ac.uk) at the University of Warwick to report any errors and for any suggestions for improvement of this document.