



Cutting edge digital innovations: strengthening global capacity, preparedness and response to public health emergencies



A World-leading Centre

Even before the devastating effects of COVID-19, recent health emergencies have unnecessarily taken thousands of lives and cost the world economy billions. The award-winning UCL Centre for Digital Public Health in Emergencies (dPHE) works to combat these losses by leading on interdisciplinary research, training and policy to overcome the limits of current health systems' preparedness and response, and improve health and wellbeing using innovative digital solutions.

The UCL Centre for Digital Public Health in Emergencies seeks to:

STRENGTHEN response to public health challenges and emergencies

LEAD cutting edge research into mobile technologies, data science, Internet of Things and policy

HARNESS expertise across sectors to strengthen national and international collaboration

CULTIVATE the next generation of experts through evidence-based teaching



Key Activities

- **International Digital Public Health Conference**
Annual event bringing together Public Health and Computer Science since 2009
www.acm-digitalhealth.org
- **Frontiers Digital Public Health Journal**
Interdisciplinary open-access publication
<https://www.frontiersin.org/journals/all/sections/digital-public-health>
- **Interdisciplinary Teaching Programmes**
Academic Taught and Research-led MSc and PhD programmes
- **Masterclasses**
on Public Health in the Era of Big Data
- **Public Outreach/Engagement events**
making our research accessible for children and general public
- **Lecture Series**
Featuring top international speakers
- **Internship Opportunities**
To highlight potential career paths and employability across sectors
- **International Network of dPHE Champions**
Including WHO, Transmissible, Infection Control African Network (ICAN), Pernambuco Institute for Risk & Disaster Reduction (IRRD-PE), and others



For general enquiries, contact us at: irdr.dphe@ucl.ac.uk

OFFICE LOCATION:

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Key Projects

- MANTRA** - improving maternal and neonatal health and resilience to disasters through gamified mobile technology in Nepal
- ZIKA / MEWAR** - enhancing mosquito surveillance through gamified app and IoT sensing, and providing an early warning tool for health and environmental agents in Brazil and Portugal
- INRIC** - Single access point for quality assured latest infection prevention and control guidelines and information for healthcare professionals
www.nric.org.uk
- COVID-19** - Understanding and positively influencing lifestyle impact of the pandemic through a multi-part survey study and an award winning journaling app
- GADSA** - An award winning gamified antimicrobial stewardship decision support app for prescribing behaviour change in Nigeria and the UK

Key Focus Areas

Public Health • Mobile Technologies • Serious Games • Digital Storytelling • Behaviour Change • Citizens Science • Participatory Surveillance • Early Warning Systems • IoT Sensors • Big Data Modelling • Machine learning • Data Science • Infection Prevention and Control • Decision Support Systems • Antimicrobial Stewardship • Maternal and Neonatal Health

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Go here for more on UCL Institute for Risk and Disaster Reduction (IRDR) Master's programmes:
www.ucl.ac.uk/rdr/graduate-study/masters-programmes

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