

ONWARD WEBINAR #5

“Analysis of Environmental Factors Supporting Recurring Cholera Outbreaks in Sub-Saharan Africa”

The world has experienced seven pandemics of cholera that infected and killed thousands of people on six continents and, while cholera seems to be contained in many parts of the world, Africa still faces major challenges in controlling this disease, the continent has been badly beaten by cholera and concentrates the majority of the reported cases in the last two decades. Some of the most affected areas are in the poorest countries of the Sub-Saharan region, where resources for disease control are scarce. While previous researchers have pointed out risk factors in other parts of the globe, studies examining shared difficulties in cholera management are sparse in Sub-Saharan Africa.

This study investigated crucial environmental elements consistently cited as contributors of frequency and severity of outbreaks in the Sub-Saharan area. Data from health reports, economics, climate, and living conditions surveys were collected and analysed using descriptive analysis and general linear modelling to better understand the relationship between variables and their contribution to the relative risk of cholera.

NOV

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Friday

5th NOV

2 pm GMT (19:30 IST)



Cristiane Giroto
CEng, BEng (Hons), MRes
University of West London

A PhD student at the University of West London in the United Kingdom, and now working on an AI application on sustainable drainage systems. She concluded her MRes with a thesis on environmental factors on cholera outbreaks in Sub-Saharan Africa. Her most recent post was as project co-ordinator of the OVERCOME project at the University of West London's School of Computing and Engineering. The OVERCOME project formed a transnational consortium with multidisciplinary expertise for cross-sectoral collaborative research working on digital innovation in flood early warning and water-related disease prevention for community capacity building and resilience.