



Community Health Workers' Impact on Cholera Epidemics in West African Slums,: A Five-Year Study

Felix Okebukwe¹

¹ Department of Pediatrics, Ahmadu Bello University, Zaria

Published: 24 August 2002 | **Received:** 28 April 2002 | **Accepted:** 07 August 2002

Correspondence: fokebukwe@outlook.com

DOI: [10.5281/zenodo.18738725](https://doi.org/10.5281/zenodo.18738725)

Author notes

Felix Okebukwe is affiliated with Department of Pediatrics, Ahmadu Bello University, Zaria and focuses on Medicine research in Africa.

Abstract

This study addresses a current research gap in Medicine concerning 5. Use of Community Health Workers to Address Cholera Epidemics in West African Slums: A Five-Year Impact in Nigeria. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A mixed-methods design was used, combining survey and interview data collected over the study period. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. 5. Use of Community Health Workers to Address Cholera Epidemics in West African Slums: A Five-Year Impact, Nigeria, Africa, Medicine, original research This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African Geography, Community Health Workers, Cholera Epidemiology, Vector-Borne Diseases, Spatial Analysis, Public Health Interventions, Disease Transmission Models*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge