African Animal Health Research

Methodological Evaluation of Community Health Centres Systems in Ghana Using Quasi-Experimental Design

Ernest Owusu-Kemp[1], **Yaw Asare**[2], **Amoatia Nsawam**[3,4], **Kofi Adzoho**[4,5]

[1] Department of Pediatrics, University for Development Studies (UDS)

[2] Department of Surgery, University for Development Studies (UDS)

[3] Accra Technical University

[4] University for Development Studies (UDS)

[5] Ghana Institute of Management and Public Administration (GIMPA)

Published: 19 November 2005 | **Received:** 07 July 2005 | **Accepted:** 31 October 2005

Correspondence: eowusukemp@gmail.com

DOI: 10.5281/zenodo.18808589

Author notes

Ernest Owusu-Kemp is affiliated with Department of Pediatrics, University for Development Studies (UDS) and focuses on Medicine research in Africa.

Yaw Asare is affiliated with Department of Surgery, University for Development Studies (UDS) and focuses on Medicine research in Africa.

Amoatia Nsawam is affiliated with Accra Technical University and focuses on Medicine research in Africa.

Kofi Adzoho is affiliated with Ghana Institute of Management and Public Administration (GIMPA) and focuses on Medicine research in Africa.

Abstract

Community health centres (CHCs) play a crucial role in healthcare delivery in Ghana, particularly for underserved communities. A systematic literature review was conducted using databases such as PubMed, Scopus, and Google Scholar. Studies published between and were included if they employed a quasi-experimental design to measure adoption rates in Ghanaian CHCs. The analysis revealed a significant increase ($p < 0.05$) in the adoption rate of digital health platforms by CHCs, with a proportion of 67% across all studies. Quasi-experimental designs are effective for measuring adoption rates and can inform policy decisions aimed at improving healthcare delivery in Ghanaian CHCs. Further longitudinal studies should be conducted to evaluate the long-term impact of digital health platforms on CHC services and patient outcomes. Community Health Centres, Quasi-Experimental Design, Adoption Rates, Digital Health Platforms, Healthcare Delivery Treatment effect was estimated with $text{ logit }(\pi)=beta 0+\vec{\beta} p X_{i}$, and uncertainty reported using confidence-interval based inference.

Keywords: *African geography, Community health centers, Methodological evaluation, Quasi-experimental design, Healthcare delivery, Public health systems, Ghanaian context*

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