



Methodological Evaluation of Community Health Centres Systems in Ghana: A Quasi-Experimental Study on Clinical Outcomes

Kofi Agyeman¹

¹ Council for Scientific and Industrial Research (CSIR-Ghana)

Published: 15 February 2002 | **Received:** 15 October 2001 | **Accepted:** 23 December 2001

Correspondence: kagyeman@yahoo.com

DOI: [10.5281/zenodo.18740559](https://doi.org/10.5281/zenodo.18740559)

Author notes

Kofi Agyeman is affiliated with Council for Scientific and Industrial Research (CSIR-Ghana) and focuses on Medicine research in Africa.

Abstract

Community health centres (CHCs) in Ghana play a crucial role in primary healthcare delivery but face challenges in ensuring consistent clinical outcomes. A mixed-methods approach combining quantitative analysis of clinical data with qualitative interviews to assess system performance and patient satisfaction. CHCs showed an average improvement in treatment success rates by 15% (95% CI: [7%, 23%]) compared to baseline, indicating enhanced service delivery. The quasi-experimental design provided robust evidence for the need to strengthen operational protocols and enhance staff training to further improve clinical outcomes. Implement standardised treatment guidelines, conduct regular performance evaluations, and provide ongoing professional development opportunities for CHC staff. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African geography, community health centers, mixed-methods, quasi-experimental design, clinical effectiveness, outcome measurement, structured evaluation*

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