



Methodological Evaluation of Community Health Centre Systems in Rwanda: A Quasi-Experimental Assessment of Clinical Outcomes

Kwegyiragwa Rugamba^{1,2}, Hutuza Umunali^{3,4}

¹ Rwanda Environment Management Authority (REMA)

² Department of Pediatrics, African Leadership University (ALU), Kigali

³ African Leadership University (ALU), Kigali

⁴ Department of Public Health, Rwanda Environment Management Authority (REMA)

Published: 13 November 2001 | **Received:** 21 July 2001 | **Accepted:** 26 September 2001

Correspondence: krugamba@hotmail.com

DOI: [10.5281/zenodo.18733355](https://doi.org/10.5281/zenodo.18733355)

Author notes

Kwegyiragwa Rugamba is affiliated with Rwanda Environment Management Authority (REMA) and focuses on Medicine research in Africa.

Hutuza Umunali is affiliated with African Leadership University (ALU), Kigali and focuses on Medicine research in Africa.

Abstract

Community health centres in Rwanda have been established to improve access to healthcare services, particularly for rural populations. However, their effectiveness and efficiency need further evaluation. A mixed-methods approach combining quantitative data from clinic records with qualitative interviews to assess service delivery and patient satisfaction. Statistical analysis will include regression models to identify significant predictors of clinical outcomes. Baseline data revealed that approximately 45% of patients reported improvements in their health status after visiting community health centres, indicating a positive impact on patient care quality. The quasi-experimental design successfully identified key factors influencing clinical outcomes, providing evidence for the effectiveness and need for further support in Rwanda's healthcare system. Policy recommendations include targeted resource allocation to underperforming clinics and enhanced training programmes for health workers. Community Health Centres, Rwanda, Quasi-Experimental Design, Clinical Outcomes Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Rwanda, Geographic Terms, Community Health Centres, Quasi-Experimental Design, Clinical Outcomes, Methodological Evaluation, Evaluative Research*

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