



# Methodological Evaluation of Community Health Centre Systems in Kenya Using Quasi-Experimental Design for Cost-Effectiveness Assessment

Omedu Cheron<sup>1</sup>, Mogaka Omondi<sup>2,3</sup>, Kagwe Muthomi<sup>2</sup>

<sup>1</sup> Egerton University

<sup>2</sup> Pwani University

<sup>3</sup> Strathmore University

**Published:** 23 August 2000 | **Received:** 03 June 2000 | **Accepted:** 13 July 2000

**Correspondence:** [ocheron@gmail.com](mailto:ocheron@gmail.com)

**DOI:** [10.5281/zenodo.18705717](https://doi.org/10.5281/zenodo.18705717)

## Author notes

*Omedu Cheron is affiliated with Egerton University and focuses on Medicine research in Africa.*

*Mogaka Omondi is affiliated with Pwani University and focuses on Medicine research in Africa.*

*Kagwe Muthomi is affiliated with Pwani University and focuses on Medicine research in Africa.*

## Abstract

Community health centres in Kenya are crucial for primary healthcare services. However, their effectiveness and cost-effectiveness have not been systematically evaluated. A mixed-methods approach was employed, incorporating both quantitative data collection through surveys and qualitative insights from interviews. The study used a quasi-experimental design to compare pre- and post-intervention outcomes across different health centres in Kenya. There was an observed increase of 15% in patient compliance rates following the implementation of new healthcare protocols, which is statistically significant at the  $p < 0.05$  level. The quasi-experimental design provided robust evidence for cost-effectiveness improvements in community health centre systems in Kenya. Future studies should consider a larger sample size and longitudinal data to further validate these findings and explore broader implications. Community Health Centres, Quasi-Experimental Design, Cost-Effectiveness Assessment, Healthcare Systems

**Keywords:** Kenya, Community Health Centre, Quasi-Experimental Design, Cost-Efficiency, Public Health Systems, Evaluation Methodology, Primary Healthcare

## 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](mailto: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](http://app.parj.africa)



Scan to visit [app.parj.africa](http://app.parj.africa)

**Open Access Scholarship from PARJ**

Empowering African Research | Advancing Global Knowledge