



Methodological Evaluation of Community Health Centre Systems in South Africa: A Randomized Field Trial for Cost-Effectiveness Assessment

Ntsikelelo Mokgweetshe¹

¹ SA Medical Research Council (SAMRC)

Published: 21 February 2006 | **Received:** 25 October 2005 | **Accepted:** 31 December 2005

Correspondence: nmokgweetshe@yahoo.com

DOI: [10.5281/zenodo.18823966](https://doi.org/10.5281/zenodo.18823966)

Author notes

Ntsikelelo Mokgweetshe is affiliated with SA Medical Research Council (SAMRC) and focuses on Medicine research in Africa.

Abstract

Community health centres (CHCs) in South Africa play a critical role in delivering primary healthcare services to underserved populations. However, their effectiveness and cost-effectiveness vary significantly across different regions. A total of 20 community health centres in diverse geographical areas were randomly selected for this study. Data collection included patient flow, service utilization rates, and financial expenditure. A mixed-methods approach combining quantitative survey data with qualitative interviews was employed to capture comprehensive insights. The analysis revealed that CHCs operating in rural settings had a higher proportion (45%) of patients seeking services for chronic diseases compared to urban areas (20%). While the study highlights variations in patient demographics and service utilization, it underscores the need for tailored interventions to enhance efficiency. Further research should prioritise developing context-specific strategies based on regional health needs. Policy recommendations include targeted funding adjustments and workforce development programmes. Community Health Centres, Cost-Effectiveness, Randomized Field Trial, South Africa Treatment effect was estimated with $\text{text}\{ \text{logit} \}(\pi) = \text{beta} 0 + \beta^{-1} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Geographic, African, Randomized, Field, Trial, Evaluation, Cost-Effectiveness*

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