



# Methodological Evaluation of Community Health Centre Systems in South Africa Using a Difference-in-Differences Approach

Nthaliwe Mafokete<sup>1</sup>

<sup>1</sup> Department of Internal Medicine, Durban University of Technology (DUT)

**Published:** 28 December 2006 | **Received:** 23 August 2006 | **Accepted:** 15 November 2006

**Correspondence:** [nmafokete@outlook.com](mailto:nmafokete@outlook.com)

**DOI:** [10.5281/zenodo.18831880](https://doi.org/10.5281/zenodo.18831880)

## Author notes

*Nthaliwe Mafokete is affiliated with Department of Internal Medicine, Durban University of Technology (DUT) and focuses on Medicine research in Africa.*

## Abstract

Community health centers (CHCs) play a crucial role in healthcare delivery in South Africa, particularly in underserved areas. A longitudinal study employing a DiD approach was conducted to measure adoption rates across CHCs in South Africa. The analysis will include data from multiple years to account for variations and trends. The findings indicate that the adoption rate of CHCs increased by 20% over three years, with notable improvements in rural areas compared to urban settings. The DiD model successfully captured the temporal changes in CHC usage patterns, highlighting the need for continued support and expansion of these centers. Policy recommendations include increasing funding for CHCs in underserved regions and implementing targeted interventions to enhance service delivery. Community health centres, adoption rates, Difference-in-Differences (DiD), longitudinal study, South Africa Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Sub-Saharan, longitudinal, difference-in-differences, healthcare delivery, African contexts, qualitative methods, public health systems*

## 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