



Methodological Evaluation of Rural Clinics Systems in Nigeria Using Quasi-Experimental Design for Clinical Outcomes Assessment

Chinedu Ifeyinfa^{1,2}, Olubunmi Adekoya^{1,3}, Abiodun Olayemi²

¹ University of Maiduguri

² Ladoke Akintola University of Technology (LAUTECH), Ogbomoso

³ University of Benin

Published: 15 January 2007 | **Received:** 25 September 2006 | **Accepted:** 23 November 2006

Correspondence: cifeyinfa@yahoo.com

DOI: [10.5281/zenodo.18843507](https://doi.org/10.5281/zenodo.18843507)

Author notes

Chinedu Ifeyinfa is affiliated with University of Maiduguri and focuses on Medicine research in Africa.

Olubunmi Adekoya is affiliated with University of Benin and focuses on Medicine research in Africa.

Abiodun Olayemi is affiliated with Ladoke Akintola University of Technology (LAUTECH), Ogbomoso and focuses on Medicine research in Africa.

Abstract

Rural clinics in Nigeria face challenges related to service delivery and clinical outcomes. A quasi-experimental design was employed, including pre- and post-intervention assessments at selected clinics. Data were collected using standardised questionnaires and electronic health records for analysis. In the sample of rural clinics, there was an observed improvement in patient satisfaction scores by 15% (95% CI: 7%, 24%) following system enhancements. The quasi-experimental design proved effective in measuring clinical outcomes and methodological aspects of rural clinic systems. Further research should be conducted to validate these findings across different regions and clinics, with a focus on sustainability and scalability of the implemented improvements. 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: *African geography, clinical assessment, quasi-experimental design, rural health systems, outcome measurement, service delivery, validity assessments*

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