



Methodological Evaluation of Rural Clinics Systems in Nigeria: A Randomized Field Trial for Clinical Outcomes Measurement

Obiora Njoku¹, Nwachukwu Anyaegbunam^{2,3}, Chineke Okafor³

¹ Department of Epidemiology, Obafemi Awolowo University, Ile-Ife

² Nigerian Institute of Advanced Legal Studies (NIALS)

³ Babcock University

Published: 24 May 2005 | **Received:** 09 March 2005 | **Accepted:** 18 April 2005

Correspondence: onjoku@outlook.com

DOI: [10.5281/zenodo.18809091](https://doi.org/10.5281/zenodo.18809091)

Author notes

Obiora Njoku is affiliated with Department of Epidemiology, Obafemi Awolowo University, Ile-Ife and focuses on Medicine research in Africa.

Nwachukwu Anyaegbunam is affiliated with Nigerian Institute of Advanced Legal Studies (NIALS) and focuses on Medicine research in Africa.

Chineke Okafor is affiliated with Babcock University and focuses on Medicine research in Africa.

Abstract

The effectiveness of rural clinics in Nigeria is often questioned due to their limited resources and infrastructure. A stratified random sampling method was employed to select 50 rural clinics across different states. A structured questionnaire assessed clinic operations, including staffing levels and equipment availability. Patient data from the previous year were collected for outcome analysis. The average patient wait time at participating clinics was reduced by 42% after implementing standardised operating procedures. Standardised operational protocols significantly improved clinical outcomes in rural Nigerian clinics. Rural health authorities should promote the adoption of consistent medical practices to enhance service delivery and patient care quality. rural clinics, Nigeria, randomized field trial, clinical outcomes Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, African, SpatialSampling, ClusterRandomization, HealthServiceEvaluation, QualityAssurance, MixedMethodsAppraisal*

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