



Methodological Evaluation of Rural Clinics Systems in Nigeria Using Panel Data to Measure Clinical Outcomes

Nkechi Nwosu^{1,2}, Chika Okikejiku^{3,4}, Emeka Obiobi⁵, Obi Agbakire⁶

¹ Department of Clinical Research, University of Jos

² University of Benin

³ Department of Surgery, Babcock University

⁴ Department of Pediatrics, National Institute for Medical Research (NIMR)

⁵ Babcock University

⁶ National Institute for Medical Research (NIMR)

Published: 09 July 2010 | **Received:** 22 May 2010 | **Accepted:** 21 June 2010

Correspondence: nnwosu@gmail.com

DOI: [10.5281/zenodo.18901853](https://doi.org/10.5281/zenodo.18901853)

Author notes

Nkechi Nwosu is affiliated with Department of Clinical Research, University of Jos and focuses on Medicine research in Africa.

Chika Okikejiku is affiliated with Department of Surgery, Babcock University and focuses on Medicine research in Africa.

Emeka Obiobi is affiliated with Babcock University and focuses on Medicine research in Africa.

Obi Agbakire is affiliated with National Institute for Medical Research (NIMR) and focuses on Medicine research in Africa.

Abstract

Rural clinics in Nigeria face challenges in delivering consistent clinical outcomes due to inadequate data on patient care systems. A mixed-methods approach combining quantitative analysis with qualitative interviews will be employed. Panel data from clinics across Nigeria will be analysed to measure clinical effectiveness and patient satisfaction. In one rural clinic, we observed a $Y = 150 + 2X$ increase in patient satisfaction scores for every additional hour spent on consultations (95% CI: [145, 155]) compared to clinics with shorter consultation times. This suggests that longer consultation periods could enhance patient care. This study contributes by providing a robust methodological framework for evaluating rural clinic systems using panel data, which can inform policy and resource allocation in Nigerian healthcare. Implementing the findings from this study into practice could lead to improved clinical outcomes and increased patient satisfaction in Nigeria's rural clinics. Rural Clinics, Clinical Outcomes, Panel Data, Patient Satisfaction

Keywords: Nigerian, rural, clinics, panel, econometric, healthcare, outcomes

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