



Methodological Assessment and Quasi-Experimental Evaluation of Rural Clinics Systems in Nigeria: A Focus on Clinical Outcomes

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Published: 05 August 2007 | **Received:** 18 April 2007 | **Accepted:** 09 July 2007

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DOI: [10.5281/zenodo.18842690](https://doi.org/10.5281/zenodo.18842690)

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Abstract

Rural clinics in Nigeria face challenges in maintaining clinical standards due to resource limitations and inadequate system support. A mixed-method approach combining quantitative data analysis from clinic records and qualitative interviews with healthcare workers was employed to measure the effectiveness of rural clinics in Nigeria. Initial results suggest that regular system audits improved patient management protocols by reducing medication errors by approximately 20%. The quasi-experimental design provided insights into how systematic improvements can enhance clinical performance in rural settings. Further research should explore the long-term sustainability of these systems and their scalability across different regions of Nigeria. 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: Rural, Sub-Saharan, Quasi-experimental, Evaluation, Quality, Healthcare, Metrics

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