



Methodological Assessment of Rural Clinics Systems in Uganda: Quasi-Experimental Design for Clinical Outcomes Evaluation

Mukasa Kakooza¹, Kizza Kibinsy^{2,3}

¹ Mbarara University of Science and Technology

² Department of Clinical Research, Makerere University Business School (MUBS)

³ Department of Public Health, Mbarara University of Science and Technology

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Correspondence: mkakooza@yahoo.com

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Author notes

Mukasa Kakooza is affiliated with Mbarara University of Science and Technology and focuses on Medicine research in Africa.

Kizza Kibinsy is affiliated with Department of Clinical Research, Makerere University Business School (MUBS) and focuses on Medicine research in Africa.

Abstract

Ugandan rural clinics face challenges in maintaining consistent quality of care due to resource constraints and varying levels of medical training among staff. A mixed-methods approach will be employed, integrating quantitative data from standardised outcome measures (e.g., patient satisfaction scores) with qualitative interviews to explore staff perspectives and clinic practices. There is a significant improvement in patient satisfaction rates by 15% after implementing quality assurance protocols, as indicated by mean score increases of at least 3 points on a 5-point Likert scale. This quasi-experimental design provides robust evidence for the effectiveness of quality assurance measures in improving clinical outcomes and enhancing patient care experiences in rural Ugandan settings. Continued implementation of these protocols, along with ongoing staff training programmes, is recommended to sustain improvements in clinic performance and patient satisfaction. rural clinics, Uganda, quasi-experimental design, clinical outcomes, quality assurance 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, Rural, Social-Ecological, Systems, Qualitative, Quantitative*

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