



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

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## Abstract

Rural clinics in South Africa face challenges in providing consistent high-quality healthcare services. A mixed-methods approach including quantitative data analysis and qualitative interviews was used to assess clinical outcomes across various clinics in South Africa. Clinics showed an average treatment success rate of 85% with significant variability, indicating the need for targeted interventions to enhance patient outcomes. Quasi-experimental designs provide robust evidence for understanding and improving rural healthcare delivery systems. Integrate community health workers into clinic operations and implement regular quality improvement cycles. Rural Clinics, Quasi-Experimental Design, Clinical Outcomes Assessment 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, Clinics, Systems, Evaluation, Quasi-Experimental*

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