



Methodological Evaluation of Urban Primary Care Networks in Uganda: A Randomized Field Trial for Clinical Outcomes Measurement

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Abstract

Urban primary care networks in Uganda face challenges in delivering consistent quality of care due to resource limitations and variable service delivery. A stratified randomization design was employed to assign patients to either the control or intervention group. Primary care providers were trained in standardised protocols for baseline data collection and outcome measurement using validated tools. Patients in the intervention group showed a significant increase of 15% in patient satisfaction scores (95% confidence interval: [8%, 23%]) compared to controls, suggesting enhanced service quality delivery. The findings support the efficacy of standardised primary care network protocols in improving clinical outcomes and patient experiences. Further studies are recommended to assess long-term sustainability and cost-effectiveness of these interventions. Urban Primary Care Networks, Clinical Outcomes Measurement, Randomized Field Trial Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Uganda, Primary Care, Randomization, Quality Assessment, Outcome Measurement, Resource Allocation, Community Health Systems*

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