



## Methodological Evaluation of Urban Primary Care Networks in Rwanda: A Randomized Field Trial

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### Abstract

Urban primary care networks (PCNs) are integral to healthcare systems in Rwanda, aiming to improve access and quality of care for urban populations. A randomized controlled trial was conducted with 300 participants across 15 randomly selected urban areas. The primary outcome measure included patient satisfaction scores, which were collected using a validated Likert scale questionnaire. Patient satisfaction scores indicated an average improvement of 25% in the treatment experience group compared to baseline ( $p < 0.05$ ). The randomized field trial demonstrated significant improvements in patient satisfaction within urban primary care networks, supporting further implementation and evaluation. Investigate potential factors affecting clinical outcomes such as socioeconomic status and access to healthcare resources. Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** Rwanda, Urbanization, Primary Care, Evaluation, Randomization, Outcome, Community Health Systems

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