



# Methodological Evaluation of Rural Clinics Systems in Ethiopia Using Quasi-Experimental Design to Measure Clinical Outcomes

Mulu Gebru<sup>1</sup>

<sup>1</sup> Department of Public Health, Hawassa University

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Correspondence: [mgebru@hotmail.com](mailto:mgebru@hotmail.com)

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### Author notes

Mulu Gebru is affiliated with Department of Public Health, Hawassa University and focuses on Medicine research in Africa.

### Abstract

Rural clinics in Ethiopia face challenges in delivering consistent quality healthcare due to limited resources and infrastructure. A mixed-method approach including quantitative data collection from clinics' electronic health records (EHRs) and qualitative interviews with healthcare providers was employed to assess system performance. The analysis revealed that rural clinics had a 15% higher patient recovery rate compared to urban facilities, indicating improved clinical outcomes in resource-limited settings. Rural clinics can achieve comparable clinical results when provided with adequate support and resources. Future studies should focus on sustainability of these systems. Investment in training for healthcare staff, supply chain management, and telemedicine integration are recommended to enhance rural clinic efficiency. rural clinics, Ethiopia, quasi-experimental design, clinical outcomes, patient recovery Treatment effect was estimated with  $text\{logit\}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

### Keywords:

Ethiopia

Geographic

Terms:

Methodological

Qualitative

Quasi-Experimental

Randomized

Surveys

Clinical

Controlled

Terms:

Analysis

Design

Trials

Outcomes

Theoretical

Health

Public

Healthcare Delivery Systems

Systems

Terms:

Research

Health

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