



Methodological Evaluation of Urban Primary Care Networks in Ethiopia Using Difference-in-Differences for Clinical Outcomes Measurement,

Yemane Teshome^{1,2}, Mekonnen Abebaw³

¹ Haramaya University

² Hawassa University

³ Department of Clinical Research, Hawassa University

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Correspondence: yteshome@yahoo.com

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Author notes

Yemane Teshome is affiliated with Haramaya University and focuses on Medicine research in Africa. Mekonnen Abebaw is affiliated with Department of Clinical Research, Hawassa University and focuses on Medicine research in Africa.

Abstract

This research protocol focuses on evaluating urban primary care networks in Ethiopia to improve health outcomes. Primary care networks will be evaluated through a DID regression analysis with robust standard errors to account for potential confounding factors such as geographical variations and baseline health disparities. A preliminary analysis suggests that primary care networks have led to an improvement in average recovery times by approximately 15% compared to pre-network implementation levels, though further data collection is needed to confirm these results. Despite the initial positive findings, more comprehensive longitudinal studies are required to validate these preliminary observations and understand long-term impacts. Recommendation for future research includes extending the study period and expanding the geographic scope to include rural areas in Ethiopia. Primary Care Networks, Difference-in-Differences, Clinical Outcomes, Ethiopian Health Systems Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^{-1} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: Ethiopia, Primary Care, Urban Networks, Methodology, Difference-in-Differences, Regression Analysis, Health Outcomes

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