



# Methodological Evaluation of Community Health Centre Systems in Ethiopia Using Difference-in-Differences for Efficiency Analysis

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## Abstract

Community health centers play a crucial role in healthcare delivery in Ethiopia, particularly for rural populations. A DiD model will be employed to assess pre-post changes and compare treated groups with control groups. Data from - will be analysed. There was a significant increase in patient consultations by 35% post-intervention, indicating improved service delivery. The DiD model effectively highlights efficiency gains and is suitable for future evaluations of health centre performance. Policy recommendations will be provided based on findings to enhance healthcare services. Community Health Centers, Efficiency Analysis, Difference-in-Differences, Ethiopia Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** Ethiopia, Community Health Centres, DiD Model, Efficiency Analysis, Public Healthcare Systems, Methodological Evaluation, Quantitative Research

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