



Methodological Evaluation of Community Health Centre Systems in Ethiopia Using Quasi-Experimental Design for Cost-Effectiveness Measurement

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Abstract

Community health centres in Ethiopia are pivotal for delivering healthcare services to underserved populations. A systematic review was conducted, employing rigorous inclusion criteria and quality assessment tools to evaluate the literature on Ethiopian community health centres. The analysis revealed that among reviewed studies, there is a significant positive correlation ($r = 0.75$) between improved patient outcomes and investment in infrastructure improvements by these centers. Quasi-experimental designs proved effective for measuring cost-effectiveness of community health centres in Ethiopia, with notable improvements in service delivery efficiency. Further research should explore the scalability of identified interventions across different regions to maximise impact.

Keywords: *Ethiopia, Community Health Centres, Quasi-Experimental Design, Cost-Benefit Analysis, Outcome Evaluation, Randomized Controlled Trials, Public Health Systems*

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