



Methodological Assessment of Community Health Centre Systems in Ethiopia: A Quasi-Experimental Evaluation

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Abstract

Community health centers in Ethiopia face challenges in service delivery efficiency. A systematic literature review using PRISMA guidelines to identify, assess, and synthesize relevant studies on Ethiopian community health centers. The analysis revealed that the quasi-experimental design was predominantly used (60%) with moderate heterogeneity in yield improvement estimates. Quasi-experimental methods are effective for assessing yield improvements but variability exists among different settings. Future studies should consider a wider range of designs and incorporate more robust data sources to enhance comparability. Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African geography, community health centers, Ethiopia, methodological evaluation, quasi-experimental design, service delivery efficiency, systematic literature review*

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