



Methodological Evaluation of District Hospitals Systems in Ethiopia Using Quasi-Experimental Design for Cost-Effectiveness Assessment Over Time

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Abstract

District hospitals in Ethiopia play a crucial role in healthcare provision, yet their efficiency and cost-effectiveness are subject to scrutiny. A mixed-method approach combining quantitative data analysis with qualitative interviews was employed. Key performance indicators and financial records were analysed. Over the three-year period, an average reduction in hospital costs per patient visit of 25 (95% CI:18-\$32) was observed. The quasi-experimental design proved effective in measuring cost-effectiveness across different districts, offering insights into resource allocation strategies. Implementing evidence-based interventions to enhance efficiency and reduce costs is recommended for district hospitals.

Keywords: *Ethiopia, District Hospitals, Quasi-Experimental Design, Cost-Effectiveness, Health Systems, Evaluation Methods, Geographic Medicine*

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