



Methodological Evaluation of District Hospitals in Uganda: Panel Data Estimation for Cost-Effectiveness Analysis,

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Abstract

Uganda's district hospitals play a critical role in healthcare delivery across the country, yet their performance and efficiency are not well understood. A mixed-methods approach incorporating quantitative econometric methods such as fixed effects models to analyse expenditure patterns and service outcomes. Panel data revealed that average annual expenditures per patient ranged from 50 to 150, with varying efficiency in diagnostic services across districts. The study suggests potential areas for cost-saving interventions without compromising quality of care. Targeted training programmes and resource allocation strategies should be implemented based on the findings.

Keywords: *Geographic, Panel data, Cost-effectiveness, Health systems, Methodology, Evaluation, Africa*

ABSTRACT-ONLY PUBLICATION

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