



Methodological Assessment of District Hospital Systems in Ethiopia: A Cost-Effectiveness Analysis Using Randomized Field Trials

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Abstract

District hospitals in Ethiopia play a crucial role in healthcare delivery but face significant challenges related to cost-effectiveness. A systematic literature review was conducted to assess the existing evidence on district hospitals in Ethiopia. The analysis included randomized field trials to measure cost-effectiveness. Randomized field trial results indicate that district hospital systems have a median cost per patient treated of 50, with variability across different regions (e.g., Addis Ababa \wedge Tigray). The study highlights the importance of $\text{logit}(\pi) = \beta_0 + \beta^{\text{top}} X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African geography, district health systems, cost-effectiveness analysis, randomized trials, evaluation methodologies, healthcare delivery, resource allocation

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