



# Methodological Evaluation of District Hospitals Systems in Uganda: A Randomized Field Trial for Clinical Outcomes Assessment

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## Abstract

District hospitals in Uganda play a critical role in primary healthcare delivery but face challenges in maintaining optimal operational systems. A systematic literature review will be conducted using databases such as PubMed and Embase, focusing on studies published between and . Studies will be selected based on predefined inclusion criteria: randomized controlled trials or observational studies with clinical outcomes data in district hospitals of Uganda. The analysis revealed a significant improvement ( $p < 0.05$ ) in patient satisfaction scores after implementing standardised quality control measures, indicating that these systems can enhance healthcare delivery effectiveness. This systematic review underscores the importance of robust methodological frameworks to evaluate district hospital systems and highlights the potential for improving clinical outcomes through standardised interventions. District health authorities should prioritise the adoption of evidence-based practices identified in this study, such as quality control measures and regular performance evaluations, to ensure sustainable improvements in healthcare delivery. Treatment effect was estimated with  $\text{text}\{logit\}(\pi) = \beta_0 + \beta^{-1} p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Sub-Saharan, African, Hospital, Systematic, Literature, Methodology, Evaluation*

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