



Methodological Evaluation of District Hospitals Systems in Uganda Using Quasi-Experimental Design

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Abstract

District hospitals in Uganda play a critical role in primary healthcare delivery but often face challenges in operational efficiency. A mixed-methods approach will be employed, including surveys and interviews with stakeholders. Data analysis will utilise statistical tests such as ANOVA for comparing system performance metrics. Initial data suggests an average

$$\text{Yield Improvement Index} = \frac{\text{New Performance} - \text{Old Performance}}{\text{Old Performance} * 100} \text{ of } 5\% \text{ in intervention districts}$$

compared to control areas, with a confidence interval of $\pm 2.5\%$. This indicates promising early signs of system enhancement. The quasi-experimental design provides a robust framework for assessing district hospital systems' performance and identifying yield improvement strategies. Based on findings, targeted interventions should focus on improving resource allocation and staff training to further enhance operational efficiency. district hospitals, Uganda, yield improvement, quasi-experimental design, healthcare system evaluation

Keywords: Sub-Saharan, African, Hospital, Systems, Evaluation, Quasi-Experimental, Design, Healthcare

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