



Risk Reduction in District Hospitals: A Field Trial Evaluation of Ethiopian Systems

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Abstract

District hospitals in Ethiopia face significant challenges in managing health risks effectively. A randomized controlled trial was conducted to assess the effectiveness of new risk management protocols. Data from 100 randomly selected district hospitals were collected over one year. The intervention led to a 25% reduction in hospital-acquired infections (HAI) compared to control hospitals, with a 95% confidence interval for this difference. The trial demonstrated the efficacy of risk management protocols in improving patient safety and operational efficiency within district hospital settings. Immediate implementation of these protocols is recommended to further reduce health risks and improve healthcare outcomes. district hospitals, risk reduction, Ethiopian systems, randomized field trial, HAI Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, African, Hospital, Systems, Methodology, RiskReduction*

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