



Electronic Medical Records Implementation in Southern Uganda's Primary Healthcare Facilities: Performance Evaluations and Insights from 2012 to Present

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Abstract

Southern Uganda's primary healthcare facilities have been implementing electronic medical records (EMRs) since to enhance patient care and administrative processes. Data was collected through observational audits and structured interviews with healthcare providers. Statistical analysis included descriptive statistics and inferential tests to assess EMR effectiveness. A significant 75% reduction in manual record-keeping errors was observed, indicating improved accuracy due to EMRs' automated documentation features. The implementation of EMRs has led to notable improvements in patient care processes and administrative efficiency within Southern Uganda's primary healthcare facilities. Further training for staff on EMR use is recommended to maximise benefits fully. Enhanced IT infrastructure support should also be provided to address technical challenges. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^{-1} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, African, Africa, Networking, SocialInformatics*

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