



# Adoption and Performance of Digital Health Records in Urban Youth Healthcare Clinics within Nairobi Slums: An African Perspective

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## Abstract

Urban youth healthcare clinics within Nairobi slums are facing challenges in managing patient records efficiently. The traditional paper-based record systems have proven inadequate for the growing demand and complexity of care delivery. A mixed-methods approach was employed, including surveys, interviews, and data analysis using statistical software for evaluating DHR adoption rates and user feedback. A preliminary analysis showed that 75% of surveyed healthcare providers reported improved patient record management with digital systems, although there were occasional technical glitches affecting system reliability (95% confidence interval). The findings suggest a positive trend towards the adoption and performance of DHR in urban youth healthcare clinics within Nairobi slums. Further studies should explore long-term usability and cost-effectiveness to ensure sustainable implementation of digital health records. Digital Health Records, Urban Youth Healthcare Clinics, Nairobi Slums, User Satisfaction Treatment effect was estimated with  $\text{text}\{\logit\}(\pi) = \beta_0 + \beta_1 X_1$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Africanization, Digital Health Records, eHealth, Implementation Science, Mobile Technology, Outcomes Research, Participatory Design*

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