



Digital Health Records Adoption in Cairo's Primary Healthcare Centers: Enhancing Patient Satisfaction and Data Accuracy

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Abstract

Digital health records (DHRs) are gaining traction in primary healthcare settings globally to improve patient care and data accuracy. A mixed-methods approach was employed including surveys and qualitative interviews. Data were analysed using descriptive statistics and thematic analysis. Among 100 participating clinics, 85% reported increased patient satisfaction post-adoption of DHRs, with a significant improvement in data accuracy ($p < 0.001$). The findings suggest that the adoption of DHRs can lead to substantial improvements in both patient satisfaction and data quality. Primary healthcare centers should prioritise training for staff on DHR systems to maximise benefits. Digital Health Records, Primary Healthcare Centers, Patient Satisfaction, Data Accuracy Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: Cairo, Egypt, Geographic Information Systems (GIS), Electronic Medical Records (EMR), Patient Reported Outcome Measures (PROMs), Data Management Practices, Telemedicine, Health Informatics

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