



Electronic Health Records Integration in Traditional Egyptian Healthcare Practices: Technological Adoption and User Experience Assessment

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Abstract

Electronic health records (EHRs) integration into traditional healthcare practices is gaining traction globally as a means to enhance patient care and administrative efficiency. In Egypt, particularly in Cairo's traditional healthcare sector, this trend faces unique challenges and opportunities. A mixed-method approach comprising quantitative surveys and qualitative interviews was employed. The survey collected data on adoption rates using a Likert scale, while qualitative interviews explored UX dimensions through thematic analysis. The findings revealed that 72% of practitioners reported moderate to high usability scores for EHR systems, with significant improvements noted in patient record management (85%) and appointment scheduling (90%). Despite the observed improvements, user satisfaction varied, suggesting a need for further customization to meet specific practitioner needs. This study recommends that healthcare providers consider integrating EHRs with existing systems to optimise workflow efficiencies. Training programmes should also be developed to ensure consistent and effective use of these tools. Electronic Health Records, Adoption Rates, User Experience, Traditional Healthcare, Cairo Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Cairo, Egypt, Geographic Information Systems (GIS), Health Informatics, Mobile Technology, User Experience, Telemedicine*

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