



Mobile Health Apps in Reducing Prescription Medication Waste at Nigerian Hospitals: An Investigative Study

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Abstract

Mobile health apps have emerged as a potential tool for improving medication management in healthcare settings. A mixed-methods approach was employed, including surveys and interviews with hospital staff to gather data on current practices and app usage. Mobile health apps were found to significantly decrease medication wastage by an average of 25% in the surveyed facilities. The implementation of mobile health apps showed promise in reducing prescription waste, though further studies are needed for broader validation. Hospitals should consider implementing mobile health solutions as part of their quality improvement initiatives. Mobile Health Apps, Prescription Medication Waste, Nigerian Hospitals, Quality Improvement Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Nigerian, Geographic Information Systems (GIS), Telemedicine, Electronic Health Records (EHR), Data Management Systems, Remote Monitoring, Precision Medicine*

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