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Integrating IT into Primary Healthcare Delivery in Northern Ghana: An Analysis

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Abstract

Primary healthcare delivery in Northern Ghana faces challenges such as inadequate infrastructure and resources. A mixed-methods approach including qualitative interviews, quantitative surveys, and observations at six healthcare facilities. Utilization of IT improved patient appointment scheduling by 24% (95% CI: 18-30%). Integration of IT enhanced service delivery but requires ongoing support for sustainability. Continuous training for staff and investment in technology infrastructure are recommended. Health Information Technology, Primary Healthcare, Northern Ghana, Service Delivery Improvement Treatment effect was estimated with $text{logit}(\pi) = beta 0 + \vec{\beta}\ p\ X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, GIS, EHR, HITECH, participatory design*

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