African Medical Laboratory Microbiology

Adoption Rates of Digital Health Records Among Northern Ghanaian Primary Care Providers Over Two Years

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Abstract

Northern Ghanaian primary care providers face challenges in maintaining accurate patient records due to traditional paper-based systems. A mixed-methods approach was employed including pre- and post-intervention surveys, focus group discussions, and interviews. Quantitative data were analysed using logistic regression models with robust standard errors. In the first year of implementation, only 35% of primary care providers adopted digital health records, with significant variation across different healthcare facilities. Primary care providers in Northern Ghana are gradually adopting digital health records, although uptake is uneven and influenced by facility infrastructure and provider training. Investment should be directed towards enhancing technological support and training programmes to accelerate the adoption of digital health records among primary care providers. Treatment effect was estimated with $text\{logit\}(\pi) = beta 0 + \vec{\beta} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Geographic, Primary Care, Digital Health Records, Implementation Studies, Adoption Rates, Community-Based Interventions, Geographic Information Systems*

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