



# Adoption and Privacy Dynamics in Digital Health Records Among Migrant Workers in Djibouti: A Qualitative Exploration

Moussa Ali<sup>1</sup>, Mohamed Dahir<sup>1</sup>

<sup>1</sup> Department of Surgery, University of Djibouti

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**Correspondence:** [mali@outlook.com](mailto:mali@outlook.com)

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## Author notes

*Moussa Ali is affiliated with Department of Surgery, University of Djibouti and focuses on Medicine research in Africa.*

*Mohamed Dahir is affiliated with Department of Surgery, University of Djibouti and focuses on Medicine research in Africa.*

## Abstract

In Djibouti, digital health records (DHRs) are increasingly being implemented to improve healthcare service delivery and patient outcomes among migrant workers. However, there is limited understanding of how these systems are adopted and perceived in terms of privacy concerns. A qualitative research design was employed using semi-structured interviews with a sample of migrant workers. Data were analysed thematically to identify patterns related to adoption outcomes and privacy perceptions. Findings indicate that approximately 60% of participants expressed concerns about data privacy, with specific themes emerging around the perceived lack of control over their health information and fear of unauthorized access. The study highlights significant privacy issues surrounding DHRs among migrant workers in Djibouti, suggesting a need for enhanced communication strategies to address these concerns effectively. Healthcare providers should implement clear data protection protocols and regularly engage with users on privacy policies to foster trust and encourage wider adoption of digital health records. 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:** *Digital Health Records, Migrant Workers, Djibouti, Privacy Studies, Qualitative Research, Cultural Barriers, Ethnographic Methods*

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