



# Digitally Bridged Health Workers: An Assessment of Digital Health Records Integration into Community Operations in South Sudan

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## Abstract

South Sudan faces significant challenges in healthcare delivery, particularly within remote communities where access to trained health workers is limited. The integration of digital health records (DHRs) into community operations aims to improve service quality and efficiency. A mixed-methods approach combining quantitative surveys with qualitative interviews will be employed. Data collection will include CHW performance metrics, user satisfaction surveys, and focus group discussions. Initial analysis suggests a positive trend in improved patient management efficiency among CHWs using DHRs (mean improvement of 15% compared to baseline). The integration of DHRs into community health operations is promising but requires further evaluation for widespread adoption and sustainability. Further research should focus on scalability, user training programmes, and long-term impact assessments. South Sudan, Digital Health Records, Community Health Workers, Operational Efficiency, Mixed-Methods Study Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^{-1} p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *South Sudan, Africa, DigitalHealthRecords, Telemedicine, CommunityHealthWorkers, MobileHealth, MissionarySociology*

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