



User Satisfaction and Outcomes Study on Telehealth Platforms for Chronic Disease Management in Rural Burundi

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Abstract

Telehealth platforms have emerged as a critical tool for chronic disease management in rural settings due to their accessibility and convenience. This meta-analysis synthesizes data from multiple studies conducted across various telehealth platforms in rural Burundi. Studies were selected based on methodological rigor and relevance to the study objectives. Analysis revealed that user satisfaction scores ranged between 75% and 85%, with significant improvements noted in patient adherence to treatment regimens, particularly for diabetes and hypertension management. Telehealth platforms have demonstrated potential as a viable solution for chronic disease management in rural settings of Burundi, though further research is needed to address specific user needs and technological challenges. Investment should be directed towards the development and implementation of telehealth platforms that are tailored to local healthcare contexts and user preferences. Continuous monitoring and feedback mechanisms are essential for ensuring platform effectiveness and patient engagement. Telehealth, Chronic Disease Management, Rural Burundi, User Satisfaction, Health Outcomes Treatment effect was estimated with $\text{text} \{ \text{logit} \} (\pi) = \text{beta} 0 + \beta^{-1} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, telecommuting, randomized controlled, qualitative, longitudinal, intervention, efficacy*

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