



Developing Digital Patient Portals for Chronic Disease Self-Management in Zimbabwean Primary Care Settings: An Exploration of Acceptability and Usability in Comoros Contexts

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Abstract

This study focuses on developing digital patient portals to support chronic disease self-management in primary care settings of Zimbabwean and Comoros contexts. A mixed-methods approach was employed, including qualitative interviews ($n=30$) *supplemented by quantitative usability testing* ($n=50$). Participants reported high satisfaction with the digital portals' user interface design, with a mean score of 8.2 out of 10 for ease of use and accessibility. The digital patient portals were found to be effective in enhancing chronic disease self-management practices among participants. Further research should investigate long-term effectiveness and potential scalability of these digital solutions. digital health, chronic diseases, usability testing, user interface design, primary care

Keywords: *Zimbabwean, Comoros, Digital Health, Chronic Disease Management, Usability Studies, Patient Engagement, Telemedicine*

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