



Telemedicine Access and Patient Satisfaction Among Remote Villagers in Malawi

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Abstract

Telemedicine has emerged as a critical tool for healthcare delivery in remote areas of Malawi where traditional health services are limited. A cross-sectional survey was conducted using a structured questionnaire to gather data from 300 respondents who utilised telemedicine services in Malawi. Telemedicine utilization varied widely across different villages, with approximately 65% of participants reporting satisfaction levels above the national average for patient care. Our findings suggest that telemedicine can significantly enhance healthcare access and quality when appropriately implemented and supported by local health authorities. Further studies should explore ways to improve telemedicine service delivery, particularly in underserved rural areas of Malawi. Telemedicine, Patient Satisfaction, Remote Villagers, Malawi Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Telemedicine, Sub-Saharan Africa, Remote Villages, Patient Satisfaction, Geographic Information Systems, Quantitative Research Methods, Health Informatics*

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