



Mobile Health Clinics in Rural Ethiopia: Patient Satisfaction, Access, and Diagnostic Precision Assessment

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Abstract

Mobile health clinics have been introduced in rural Ethiopian communities to improve access to healthcare services. A mixed-methods approach was employed, including surveys for patient feedback and analysis of clinic data on diagnostic accuracy. Patient satisfaction scores averaged 85%, indicating high patient acceptance. Diagnostic accuracy in blood tests ranged between 92% and 96% with a confidence interval of (91-94%). Mobile health clinics significantly improved access to healthcare services, enhancing both patient satisfaction and diagnostic precision. Continued support for mobile health initiatives is recommended alongside further research into long-term sustainability and impact. Patient Satisfaction, Access, Diagnostic Precision, Mobile Health Clinics, Rural Ethiopia 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: *African Geography, Mobile Health Clinics, Patient Satisfaction, Access Metrics, Diagnostic Precision, Mixed Methods, Community Health Evaluation*

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