



Adoption and Performance of Mobile Health Clinics in Malaria Prevention and Treatment in Southern Ghana, 2013

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Abstract

Malaria remains a significant public health issue in southern Ghana's remote regions, where access to healthcare facilities is limited. A mixed-methods approach was employed, including surveys to assess MHCS utilization and interviews with healthcare providers to gather qualitative insights. Mobile health clinics were adopted by 75% of surveyed communities, with a significant improvement in malaria prevention practices observed across the region ($p < 0.01$). MHCS significantly enhanced patient engagement and treatment adherence for malaria cases, contributing to reduced transmission rates. Further deployment of MHCS should be considered alongside educational campaigns targeting community leaders to promote their use. malaria prevention, mobile health clinics, remote regions, adoption rates, performance outcomes Treatment effect was estimated with $\text{text}\{ \text{logit} \}(\pi) = \beta_0 + \beta^T X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, African, South, Ghanaian, Malaria, Epidemiology, Qualitative, Quantitative, Healthcare, Accessibility*

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