Mobile Health Clinics' Outreach Programmes in Malaria Prevention: An Intervention Study in Côte d'Ivoire Villages

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Abstract

Malaria remains a significant public health concern in Côte d'Ivoire, with many villages lacking access to reliable healthcare services. A mixed-methods design was employed, including pre- and post-outreach surveys to assess changes in malaria incidence rates among participants. The proportion of villagers who reported receiving malaria education increased from 25% to 70% after MHCS outreach programmes were implemented. MHCS outreach programmes significantly improved knowledge about malaria prevention and treatment, contributing to a reduction in malaria cases. Continued support for mobile health clinics is recommended to maintain the benefits observed during this study. Treatment effect was estimated with $text\{logit\}(\pi)=beta\,0+\beta^{\neg}\,p\,X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Côte d'Ivoire, Geographic Information Systems (GIS), Mobile Health Clinics, Malaria Eradication Strategies, Community-Based Interventions, Spatial Analysis, Epidemiology, Public Health Initiatives*

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