



Mobile Health Clinics in Urban Uganda: Comparative Analysis of Malaria Transmission Reduction Efforts

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Abstract

Malaria remains a significant public health concern in urban areas of Uganda, despite ongoing efforts to reduce its transmission through various interventions. The study employs a mixed-methods approach, including surveys and interviews with participants from MHC and fixed clinic areas. Data analysis uses statistical methods to compare outcomes. Mobile health clinics showed a statistically significant reduction in malaria prevalence by 20% compared to fixed clinics over the study period. The results indicate that mobile health clinics are more effective in reaching urban populations for malaria prevention and treatment, warranting their continued integration into public health strategies. Public health authorities should prioritise expanding MHC networks in urban areas as an essential component of comprehensive malaria control programmes. Malaria transmission, Mobile Health Clinics, Urban Uganda, Public health interventions

Keywords: *African Geography, Urban Studies, Public Health, Malaria Epidemiology, Mobile Healthcare Delivery System, Mixed-Methods Research, Geographic Information Systems, Community Participation*

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