



Mobile Health Surveillance Platforms in Malaria Prevention: An Assessment of Northern Rwanda's Mobile Applications

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Abstract

Malaria remains a significant public health concern in Northern Rwanda, necessitating innovative surveillance methods to combat its prevalence. A mixed-methods approach combining qualitative interviews with quantitative data analysis from existing surveillance systems was employed. Mobile applications showed a 20% reduction in malaria cases compared to traditional methods, highlighting their potential impact on public health outcomes. The integration of mobile technology into malaria prevention strategies presents a promising avenue for improving surveillance and control efforts. Rwanda should invest in expanding and refining its mobile health surveillance platforms to enhance malaria eradication efforts.

Keywords: *Global health, Geographic Information Systems (GIS), Mobile technology, Surveillance systems, Data collection, Public health interventions, Participatory research*

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