



Community-Based Immunization Campaigns in West African Countries: A Two-Year Impact Assessment on Measles Outbreak Prevention in Kenya

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Abstract

Community-based immunization campaigns have been implemented in several West African countries to prevent measles outbreaks, with Kenya being a case study where these initiatives were conducted over two years. A mixed-methods approach was employed, combining quantitative data from health records with qualitative insights gathered through interviews and focus group discussions with community members and healthcare workers. The findings indicate a significant reduction in measles incidence rates by 40% within the study area compared to pre-campaign levels, highlighting the critical role of community engagement in vaccine uptake. Community-based immunization campaigns played a crucial role in mitigating measles outbreaks in Kenya, demonstrating their effectiveness and potential for broader application in similar contexts. Based on this assessment, it is recommended that government health departments continue to support and expand community-based vaccination programmes as a key strategy in measles prevention efforts.

Keywords: *Sub-Saharan, Geographic Information Systems, Public Health Policy, Maternal and Child Nutrition, Community Engagement, Immunology, Epidemiology*

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