



# Adoptive and Sustained Metrics for Insect Repellent Bed Nets in Ghanaian Rural Communities: A Policy Analysis in Guinea

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## Abstract

In Ghanaian rural communities in Guinea, the use of insect repellent bed nets (IRBNs) is essential for controlling malaria transmission. A mixed-method approach combining quantitative data from surveys and qualitative insights from focus group discussions was employed. Insect repellent bed nets were predominantly adopted by women (75%) in households with children under five years, indicating gendered usage patterns. The study underscores the importance of targeted distribution strategies to ensure equitable access and long-term use of IRBNs. Policy recommendations include prioritising community engagement for sustained adoption and implementation of innovative distribution models.

**Keywords:** *Sub-Saharan, GIS, quantitative, qualitative, efficacy, sustainability, diffusion*

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