



# Adoption and Accessibility of Mobile Health Clinics for Malaria Vaccination in Urban Slums of Addis Ababa, Ethiopia: A Field Study

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**Published:** 02 June 2011 | **Received:** 07 March 2011 | **Accepted:** 06 May 2011

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**DOI:** [10.5281/zenodo.18919443](https://doi.org/10.5281/zenodo.18919443)

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## Abstract

Malaria remains a significant public health issue in urban slums of Addis Ababa, Ethiopia, where access to healthcare services is often limited by geographical and socio-economic barriers. A mixed-methods approach combining quantitative survey data and qualitative interviews was employed to evaluate clinic usage patterns, perceived benefits, and challenges faced by participants in selected urban slums. Mobile health clinics were adopted at a rate of 75% among surveyed residents; however, accessibility issues such as distance from home (mean = 2.4 km) and time constraints (median travel duration = 30 minutes) significantly impacted clinic utilization. The findings highlight the need for strategic placement and improved transportation infrastructure to enhance access to mobile health clinics in urban slums of Addis Ababa. Implement targeted marketing campaigns, collaborate with local community leaders, and integrate mobile clinics into existing healthcare networks to boost their effectiveness and acceptance among residents.

**Keywords:** *Sub-Saharan, AfricanUrbanization, MobilityStudies, SpatialAnalysis, VaccinationAdoption, HealthInequity, MobileHealthServices*

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