



# Mobile Health Clinics in Mobile Outreach Models for Tuberculosis Screening Among Indian Sub-Saharan Rural Population in Central African Republic: Immediate Acceptance Rates Study

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## Abstract

Tuberculosis (TB) remains a significant public health concern in many African countries, including Central African Republic. Rural populations are often underserved by conventional healthcare systems. A mixed-methods approach was employed, including surveys and observational data collection. A convenience sample of 120 participants from four selected villages was used. Initial acceptance rates were found to be high, with 85% of surveyed residents indicating willingness to participate in mobile TB screening clinics, suggesting a strong immediate interest among rural populations. The mobile health clinic model appears effective for reaching underserved communities and facilitating early TB detection. Further studies should explore the long-term sustainability and efficacy of these models, ideally with larger samples across more regions. mobile clinics, TB screening, rural populations, Central African Republic Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** African, Mobile, Outreach, Screening, Tuberculosis, Epidemiology, Randomized

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