



Mobile Health Clinics' Impact on Tuberculosis Screening and Treatment Adherence in Northern Ghana: A Mixed-Methods Evaluation

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Abstract

Mobile health clinics have been increasingly utilised in resource-limited settings to address healthcare disparities. A mixed-methods approach combining qualitative interviews with quantitative data from clinic records and household surveys to assess TB screening practices and patient engagement. Mobile clinics significantly increased TB testing rates by 25% compared to static health centers, though adherence varied depending on socio-economic status. The mixed-methods study highlights the potential of mobile health clinics in improving TB diagnosis and treatment outcomes in resource-constrained environments. Further research should explore sustained interventions to enhance long-term adherence and cost-effectiveness of mobile clinic models.

Keywords: *Sub-Saharan, African, Sociocultural, Ethnography, Qualitative, Geographic, Mapping, Community, Healthcare, Systems, Diagnosis, Treatment, Adherence, Mobilisation, ServiceDelivery, Resource, Limited, Contextual, Population, Vulnerability, Inclusion, Accessibility, Intervention, Multiplicity, QualitativeData, QuantitativeAnalysis, Outcome, Evaluation, Methodology*

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