



# Implementation of Mobile Health Clinics for Tuberculosis Screening Among Urban Youth in Nairobi Slums, Context

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## Abstract

The prevalence of tuberculosis (TB) among urban youth in Nairobi slums remains high despite efforts to control the disease. A qualitative study employing semi-structured interviews with participants and healthcare providers was conducted over a year to assess perceptions and experiences related to mobile clinic services. Mobile health clinics attracted approximately 75% of eligible youth who were screened for TB, but engagement varied significantly by age group (10-14 years vs. 15-24 years). The mobile clinics provided a feasible model for TB screening in urban youth settings, though further research is needed to optimise outreach strategies. Integrate feedback from participants into future clinic designs and consider additional support services such as nutrition counseling based on findings. Treatment effect was estimated with  $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** Kenya, Nairobi, Slums, Qualitative Study, Anthropology, Health Services Delivery, Youth Engagement

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