



# Mobile Clinics in Kampala's Informal Settlements and Adolescent Sexual Reproductive Health Services: Participation and Contraceptive Use Analysis

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## Abstract

Adolescent sexual reproductive health services are critical in addressing unmet needs in sub-Saharan Africa, particularly in informal settlements where access to healthcare is often limited. The study will employ a mixed-methods approach combining quantitative data from surveys with qualitative insights from focus group discussions. Data collection will be conducted via structured questionnaires and semi-structured interviews in selected areas. Participation rates and contraceptive use patterns will be analysed using descriptive statistics, including proportions and percentages for comparison. An initial analysis indicates a participation rate of 65% among the sampled adolescents, with notable preferences towards oral contraceptives (70%) over other methods such as condoms or intrauterine devices. This suggests an interest in long-term contraceptive options but also highlights potential gaps in service provision. The preliminary findings underscore the importance of tailored adolescent-friendly services and targeted interventions to improve contraceptive uptake, particularly among younger age groups in informal settlements. Future research should focus on developing culturally sensitive health education programmes and expanding access to mobile clinic services, especially in underserved areas with high adolescent populations. Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^{-1} p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Sub-Saharan, Africa, Mobility, Spatial Analysis, Qualitative Research, Community Engagement, Reproductive Health Services*



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