



# Telehealth in Urban Kenya: Impact Assessment on Cancer Screening Rates

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## Abstract

Urban Kenya faces challenges in cancer screening due to limited access to healthcare facilities. A mixed-methods approach involving pre- and post-intervention surveys, focus groups, and logistic regression analysis to evaluate service uptake and effectiveness. Telehealth services led to a significant increase in cancer screening rates by 25% (95% CI: 10%-40%) compared to baseline conditions, with higher uptake among women and lower-income households. Telehealth significantly improved access to cancer screenings in urban Kenya, particularly benefiting marginalized groups. Expand telehealth infrastructure and integrate services into existing healthcare systems for broader population coverage. Urban Health, Cancer Screening, Telehealth, Mixed-Methods Evaluation Treatment effect was estimated with  $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T p X_p$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Sub-Saharan, geospatial, intervention, mhealth, public health, qualitative, longitudinal*

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