



Pilot Programme Evaluation: Community-Based Tobacco Control Interventions Among Mombasa Adolescents, Kenya

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Abstract

Community-based tobacco control interventions are increasingly recognised as effective strategies to reduce adolescent smoking prevalence in developing countries. A mixed-methods approach involving pre- and post-intervention surveys was employed to assess changes in adolescent smoking behaviour. Data were collected through structured questionnaires administered by trained facilitators. The intervention led to a significant decline in reported daily cigarette consumption among adolescents, with a decrease of approximately 20% from baseline (95% confidence interval: -18% to -23%). Community-based interventions show promise for reducing adolescent smoking rates but require further refinement and evaluation. Future research should explore the sustainability and scalability of these interventions in diverse communities, with a particular emphasis on addressing socioeconomic factors influencing tobacco use. Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African, Geographical, Qualitative, Quantitative, Epidemiology, PublicHealth, Anthropology*

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