



Impact of School-Based HIV Prevention Programmes on Adolescent Reproductive Health in Nairobi Slums, Kenya,

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Abstract

Adolescents in Nairobi slums face significant challenges related to HIV infection and reproductive health outcomes. A mixed-methods approach including surveys and qualitative interviews was employed among participants aged 10-19 years in Nairobi slums. The analysis revealed a reduction in unprotected sexual intercourse from 45% to 32%, with statistical significance at $p < 0.05$, indicating a preventive effect of the programme (OR = 0.67; CI: 0.49-0.89). The school-based HIV prevention programmes demonstrated a positive impact on adolescent reproductive health in Nairobi slums. Continuation and expansion of these programmes are recommended to further reduce the risk factors for HIV infection among adolescents.

Keywords: *African geography, adolescent health, HIV prevention, reproductive health, mixed methods, Nairobi slums, qualitative research*

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