



Quantitative Examination of Urban Youth HIV/AIDS Prevention Strategies in Cairo, Egypt: Adoption and Impact

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Abstract

Urban youth in Cairo, Egypt face significant challenges related to HIV/AIDS prevention. High rates of infection among this demographic underscore the need for effective intervention strategies. A mixed-methods approach was employed, combining qualitative interviews with structured surveys to gather data from a representative sample of urban youth ($n=500$) *across various socio-economic backgrounds*. Urban youth in Cairo showed moderate adoption rates for established prevention programmes (42%), with notable disparities observed between different socioeconomic groups. The most effective strategy employed was peer-led education, which yielded the highest perceived efficacy among surveyed participants (65%). The reviewed urban youth HIV/AIDS prevention strategies exhibited variability across social strata and were generally well-received by those who adopted them. Further research should focus on enhancing peer-led educational programmes and addressing socio-economic disparities to improve overall adoption rates and efficacy.

Keywords: *Cairo, Egypt, Urbanization, Quantitative Research, Youth Studies, Epidemiology, Public Health*

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