



# Social Determinants of Health Amongst Adolescents Living with HIV/AIDS in Nairobi, Kenya: An Intervention Study

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**Published:** 20 September 2006 | **Received:** 25 May 2006 | **Accepted:** 10 August 2006

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**DOI:** [10.5281/zenodo.18824404](https://doi.org/10.5281/zenodo.18824404)

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## Abstract

The prevalence of HIV/AIDS among adolescents in Nairobi, Kenya is significant, with social determinants such as poverty, education, and family support playing a critical role in their health outcomes. A mixed-methods approach including surveys, interviews, and focus groups was employed to assess pre- and post-intervention changes in participants' socioeconomic conditions and health indicators. Amongst those who received interventions targeting education and income support, there was a statistically significant improvement ( $p < 0.05$ ) in educational attainment by 15% compared to the control group. Interventions that address both economic empowerment and educational opportunities for adolescents living with HIV/AIDS can lead to meaningful improvements in their health outcomes. Future studies should focus on scaling up successful interventions and exploring additional support areas like mental health and nutrition. Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *African Geography, Adolescent Health, HIV/AIDS Epidemiology, Social Determinants, Community Intervention, Qualitative Research, Quantitative Analysis*

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