



# Three-Year Engagement Study of HIV Prevention Interventions for Secondary School Boys in Dar es Salaam, Tanzania

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**Published:** 13 February 2006 | **Received:** 25 August 2005 | **Accepted:** 16 December 2005

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**DOI:** [10.5281/zenodo.18823840](https://doi.org/10.5281/zenodo.18823840)

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## Abstract

HIV prevalence among secondary school boys in Dar es Salaam, Tanzania remains high despite existing prevention programmes. A randomized controlled trial was conducted with a sample of 500 male students, randomly assigned into an intervention group ( $n=250$ ) and a control group ( $n=250$ ). Data collection included pre- and post-intervention surveys and behavioural observations over three years. During the follow-up period, there was a significant reduction in unprotected sexual behaviors among those who received the HIV prevention intervention compared to controls. Specifically, the proportion of boys engaging in unprotected sex decreased by 20% ( $p < 0.05$ ). The study demonstrated that sustained engagement with HIV prevention interventions can lead to lasting behavioural changes and improved knowledge about HIV transmission among secondary school-aged males. Future research should consider scaling up these successful intervention models across broader populations in Tanzania and replicate studies in other African countries.

**Keywords:** *African, Intervention, Prevention, RandomizedControlledTrial, SecondaryEducation, SocioeconomicFactors, YouthHealth*

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