Introduction

- Education influences health literacy, relationship power dynamics, and social and economic empowerment for adolescents and adults
- School enrollment has a protective effect on HIV acquisition in Rakai
- Uganda implemented Universal Primary Education (UPE) in 1997 and Antiretrovirals Therapy (ART) became available in 2004

School Enrollment: Logic Model

Potential Antecedents

Potential Consequences

Research Questions

- Identify potential antecedents of school enrollment among youth:
  - Cross-sectional association with potential risk factors
  - Ecological association between trends in risk factors and school enrollment from 1994 to 2013, including UPE and ART
- Identify possible consequences of rising school enrollment on:
  - Risk factors for HIV infection and pregnancy
  - Social transitions: sexual initiation, marriage, and pregnancy

Methods

- Longitudinal quantitative data from the Rakai Community Cohort Study: Adolescents (n=11,829 person-rounds for women and 9,906 person-rounds for men) from 1994 to 2013 in Rakai, Uganda
- Logistic and linear regression with robust estimation used to identify independent antecedents of school attendance
- Controlled for rising socioeconomic status (SES) and declines in orphanhood, post 2004

Key Findings

- School enrollment rose sharply from 1994 to 2013
- School enrollment was independently associated with age, family and sibship size, SES, orphanhood, and rural residency (for women)
- Rising school enrollment was associated with UPE, rising SES, and declines in orphanhood (post ART roll out)
- School enrollment was a strong protective factor for:
  - HIV infection (prevalence) and ever pregnant
  - Sexual initiation, condom and contraceptive use, alcohol use
  - Multiple partners, sexual concurrency (men only)

Strengths

- Study findings consistent with ethnographic findings (not shown)
- Consistent measurement over twenty years
- Population-based sample

Limitations

- Most data were self reported
- Under-reporting due to school attendance was possible
- The study focused on a single rural district of southwestern Uganda

Implications

- Education was a protective factor for adolescent reproductive health
- Efforts to keep adolescents in school may have multiple positive effects

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