#### Alcohol Use and Sexual Risk Behavior in Young Women in Rural South Africa

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#### **Background/Rationale**



- HPTN 068: Phase III research study to determine whether providing cash transfers to young women and their household, conditional on school attendance, reduced young women's risk of acquiring HIV. Between March 2011 and December 2012 2533YW that were enrolled in highschool in Rural South Africa were included.
- Alcohol use increases high-risk sex behavior and is popular among young people
  - Female adolescents in South Africa present extremely high risk of HIV acquisition and high risk of alcohol use
  - Young women (aged 15–24 years) account for 26% of new HIV infections in the region

#### **Project Objectives/Aims**



## Aim 1 Aim 2 Aim 3

To assess the association of alcohol use and HIV incidence in a cohort of school age female adolescents in rural South Africa To describe alcohol use patterns and identify those that increase the risk of engaging in risky sexual behavior To explore the association between male sex partner's drinking behavior and women's alcohol use

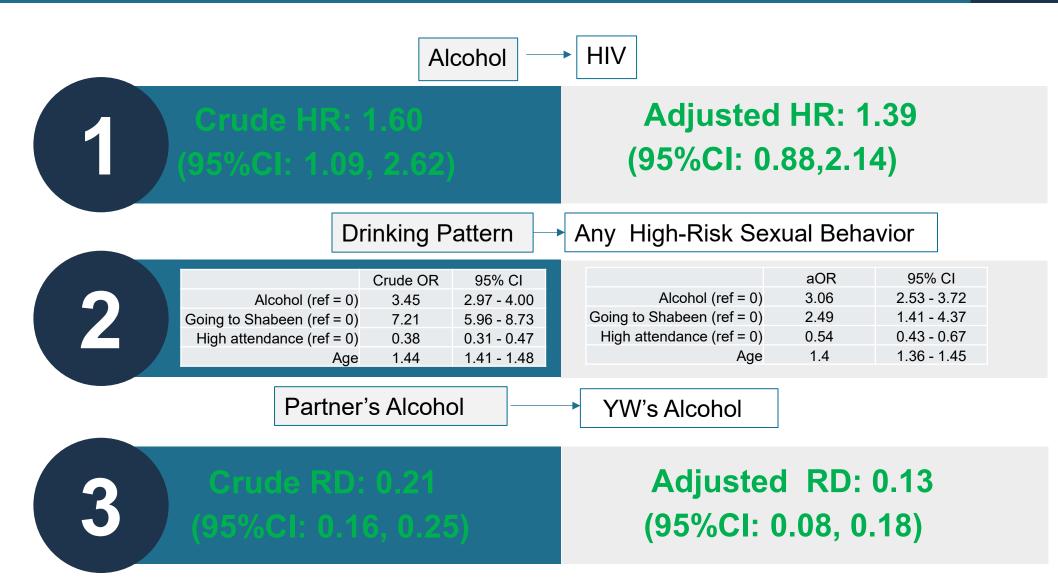
#### **Project Objectives/Aims**



Aim 1	Aim 2	Aim 3
Cox Proportional Hazards Model	Logistic Regression Model	Cross sectional analysis
Alcohol HIV Adjusted by age and school attendance	Alcohol Drinking Pattern Ever Inconsistent condon	Partner's Alcohol Alcohol
	At alcohol serving venue Partner gives alcohol They buy alcohol Heavy drinking Multiple partners	











- While there seems to be an association between alcohol use and HIV infection, this difference was not shown to be significant in the adjusted model. Probably regarding to sample size.
- Drinking alcohol, receiving alcohol from partner, and going to alcohol serving venues seem to be associated to high-risk sexual behavior.
- When partners drink alcohol, young women have higher risk to drink alcohol too.

#### **Implications/Future Considerations**



- Moving beyond this study, alcohol use in YW could be a target for HIV prevention interventions.
- These interventions should address not only the YW behavior, but also take into consideration their context, the places where they go and their partners among other things



# Thank you

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