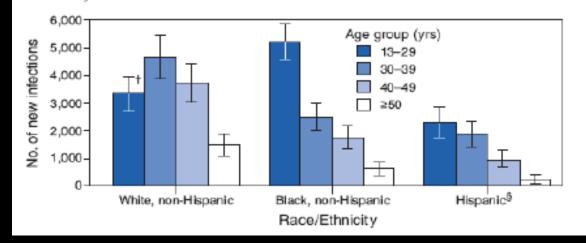
## Overview HIV Epidemiology in Youth 18 June, 2009

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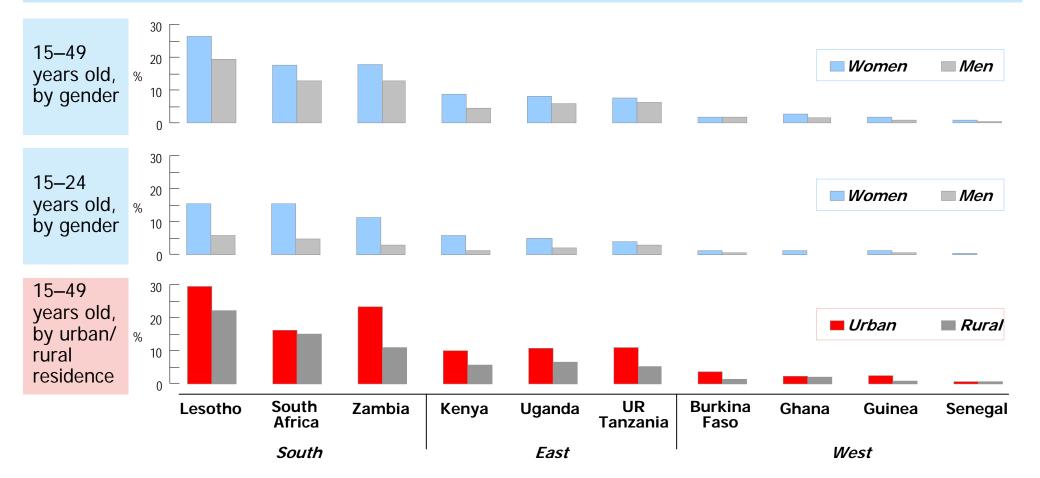
## **US Domestic HIV Epidemiology in Youth**

- Estimated 56,000 new infections each year
- 1/3 of all new infections are in <30 age category
- In the <30 age category:
  - 75% of new infections are in males with >80% in MSM risk category
  - For females >80% are in high risk heterosexual sex category
- Overall, fastest growing segment is the YMSM of color, particularly AA

FIGURE. Estimated number\* of persons with new human immunodeficiency virus (HIV) infections among men who have sex with men, by race/ethnicity and age group — United States, 2006



## HIV prevalence (%) by gender and urban/rural residence, selected sub-Saharan African countries, 2001–2005



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Sources: Demographic and Health Survey reports (Lesotho, Zambia, Kenya, Burkina Faso, Ghana, Guinea and Senegal) (2001–2005). Nelson Mandela Foundation (South Africa) (2005). Ministry of Health (Uganda). Tanzania Commission for AIDS (UR Tanzania) (2005).

## **HIV Epidemiology in Youth: Implications**

- Demonstrates the imperative to adapt/test/supplement any biomedical prevention strategies to the lowest age group possible at the earliest possible time
- Epidemiologic data will be needed to inform design of efficacy trials in particular
- The ecology of the varying epidemics as well as unique cultural features will minimally require youth focused effectiveness trials particularly for "behavioral" biomedical youth interventions