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# Prevalence of Chlamydia, Gonorrhea, and Syphilis Antibody Among High-risk Adolescents in Los Angeles and New Orleans

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# Youth Are at High Risk for STIs



*CDC Facts about the youth and STDs April 2013*

# Study Objectives

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- \* Evaluate frequency of STIs among high-risk LGBT and homeless youth in the Los Angeles and New Orleans areas
  - \* *Chlamydia trachomatis* (CT) infection
  - \* *Neisseria gonorrhoeae* (NG) infection
  - \* Syphilis treponemal antibody positivity
- \* Compare prevalence by age and birth sex

# Recruitment

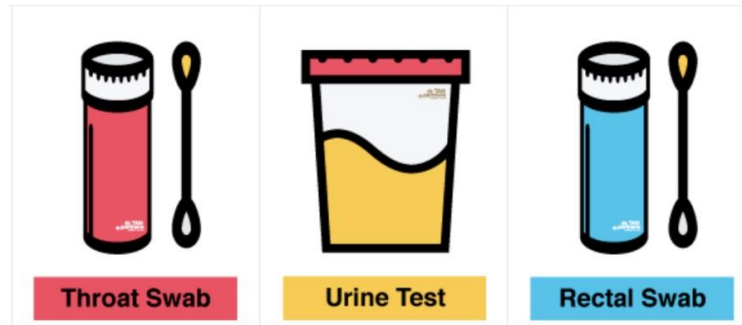


# STI Testing

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*Cepheid GeneXpert IV- On-Demand Molecular Diagnostic System*

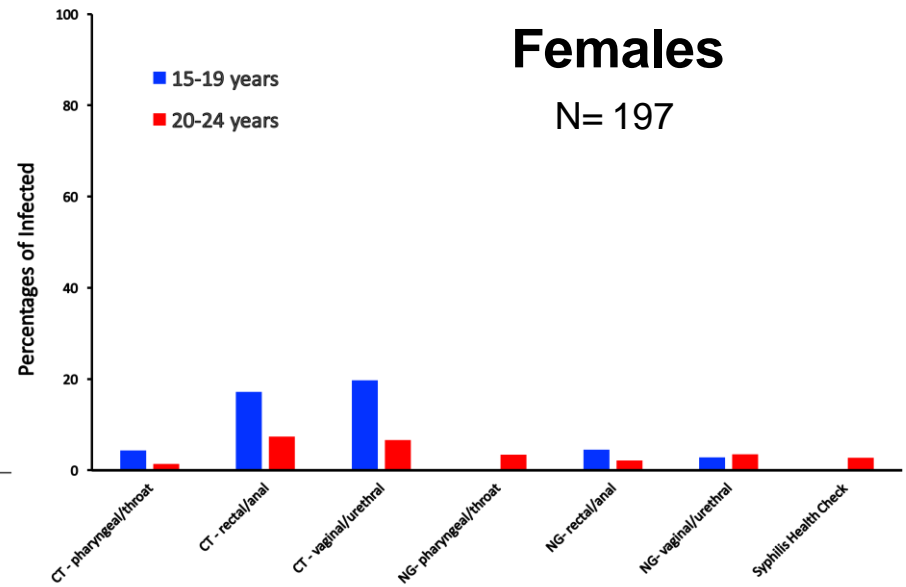
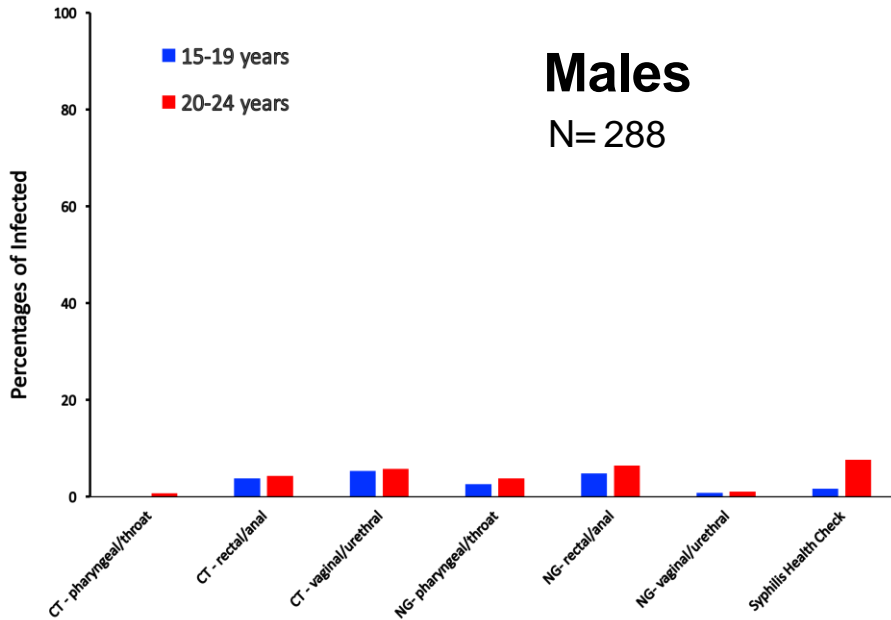


*Types of self- collection swabs used*



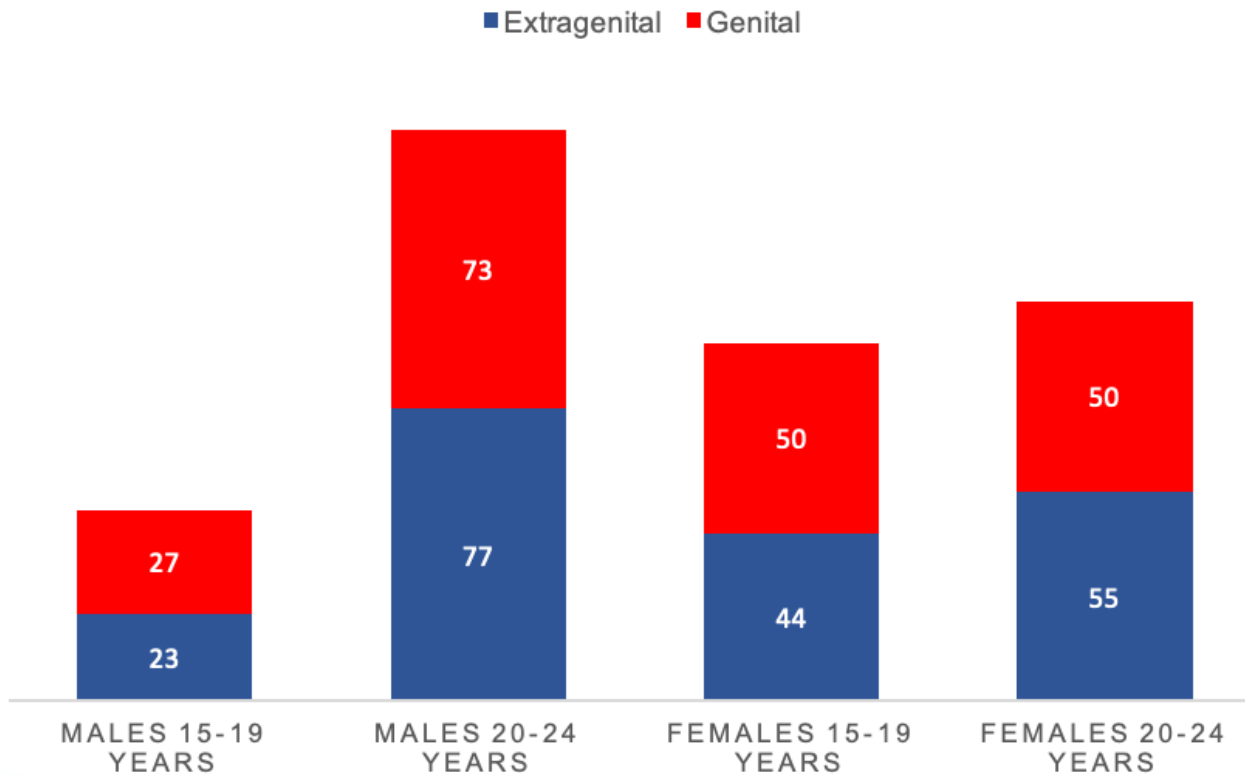
*Diagnostic Direct Syphilis Health Check Test Kit*

# STI Prevalence by Sex and Age Group



# Comparison of Extragenital to Genital Prevalence by Sex and Age Group

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# Implications

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- \* Genital and extragenital screening are both necessary to detect infections
  - \* Higher prevalence of rectal and vaginal chlamydia in females 15-19 years
  - \* Higher prevalence of syphilis antibody in males 20-24 years



# Future Directions

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- \* More research on benefits of screening
- \* Implementation of more screening options, based on benefits

# Limitations

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- \* Convenience sample
- \* Syphilis antibody positivity – past or active infection

# Acknowledgements

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- \* Funded by the Adolescent Trials Network for HIV/AIDS Interventions (ATN) from NICHD (NIH grant U19HD089886)
- \* Supported in part by
  - \* Team Klausner Saving Lives
  - \* Center for AIDS Research (NIH grant AI028697)
  - \* Center for HIV Identification, Prevention, and Treatment Services (NIH grant MH058107)
- \* On-Demand Molecular Diagnostic System GeneXpert IV™ donated by Cepheid (Sunnyvale, CA)

