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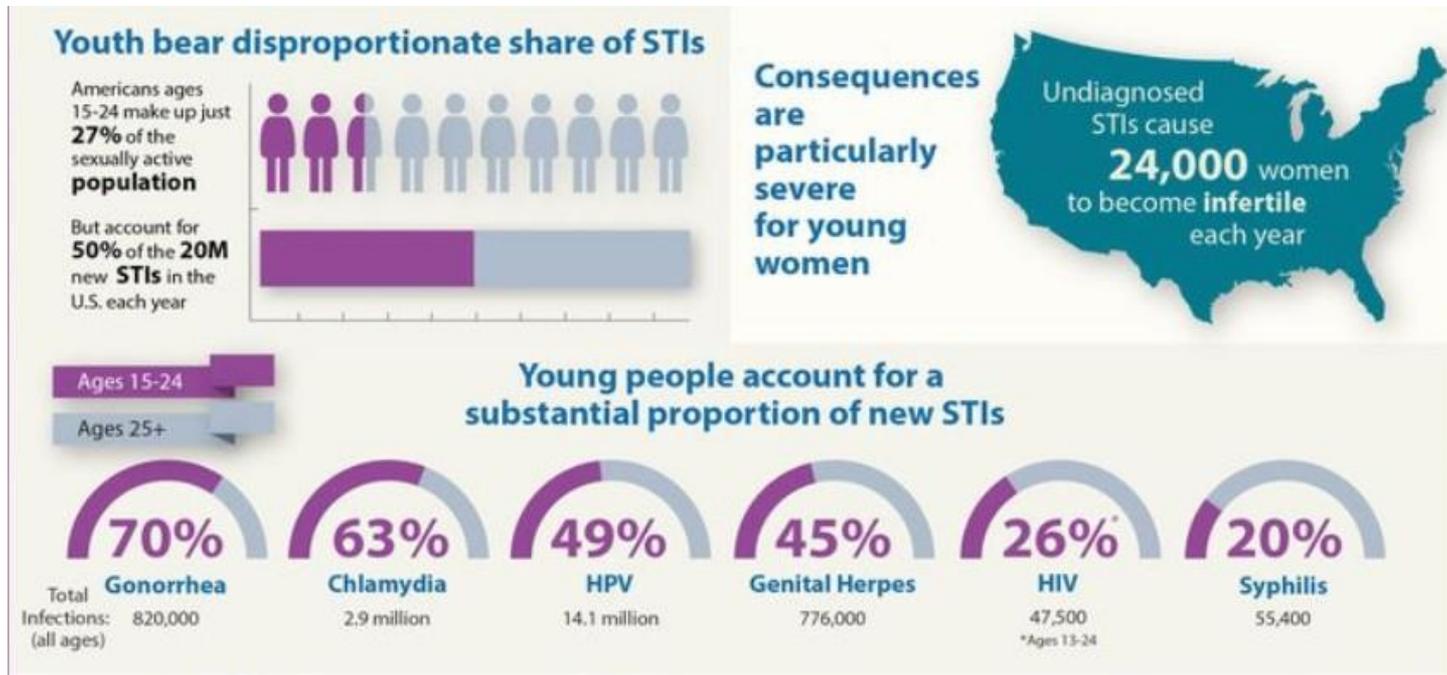
Tulane
University



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

- * 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

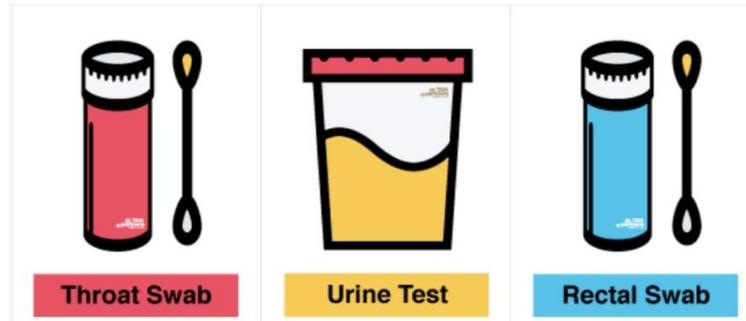
Recruitment



STI Testing



Cepheid GeneXpert IV- On-Demand Molecular Diagnostic System

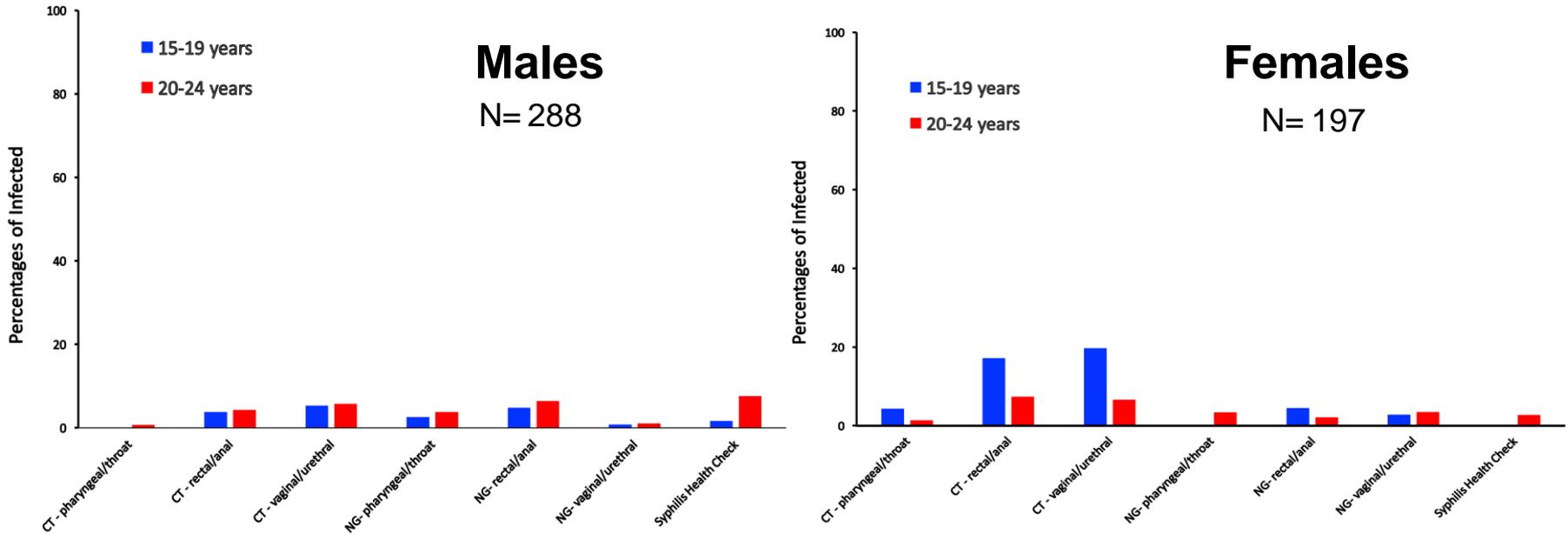


Types of self- collection swabs used

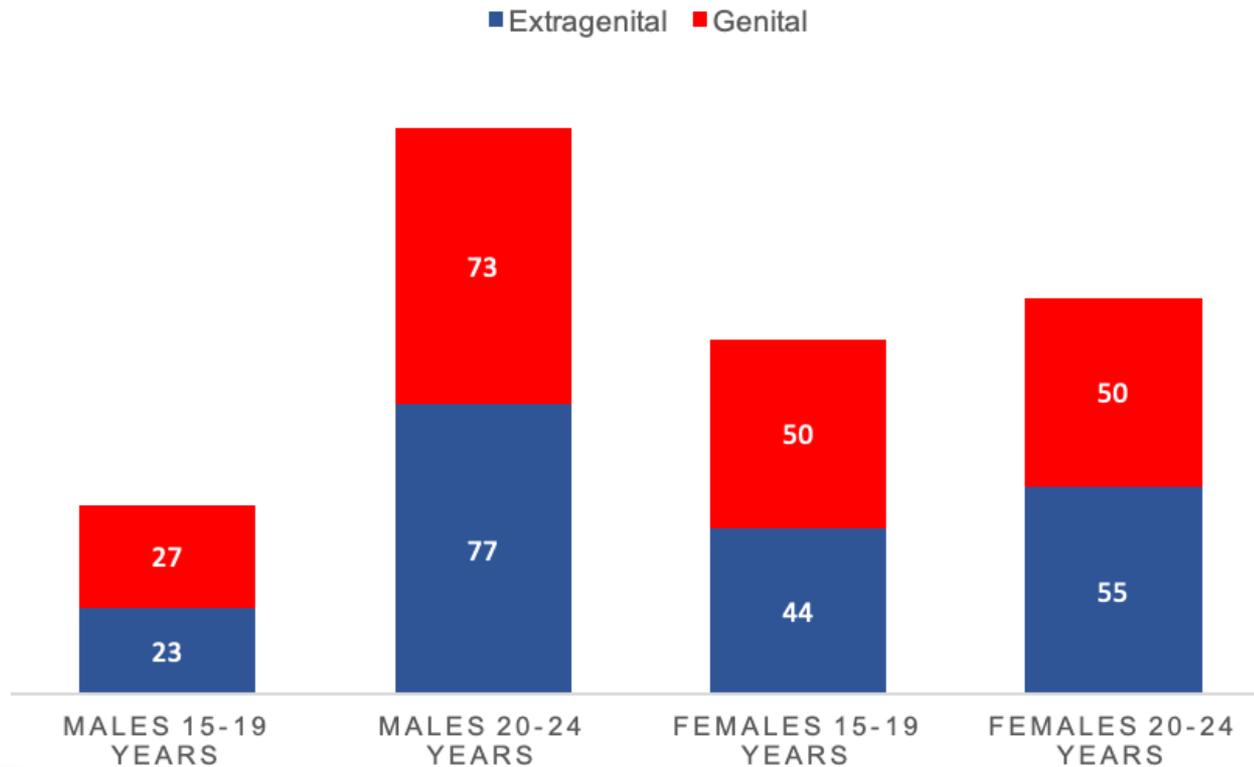


Diagnostic Direct Syphilis Health Check Test Kit

STI Prevalence by Sex and Age Group



Comparison of Extragenital to Genital Prevalence by Sex and Age Group



Implications

- * 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

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

Limitations

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

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