STDs among Adolescents, San Francisco 2007—2012

Applied Research, Community Health Epidemiology, and Surveillance (ARCHES) Population Health Division San Francisco Department of Public Health

Executive Summary

- 2012 Morbidity Rates among Adolescents (aged ≤25 years)* (per 100,000)
 - Gonorrhea 277.1
 - Chlamydia 1,005.5
- 2012 Morbidity Rates among Adults(per 100,000)
 - Gonorrhea 318.2
 - Chlamydia 469.5

* Estimate of 202,487 Adolescent San Francisco Residents from 2010 Census

STDs among Adolescents in San Francisco, 2012

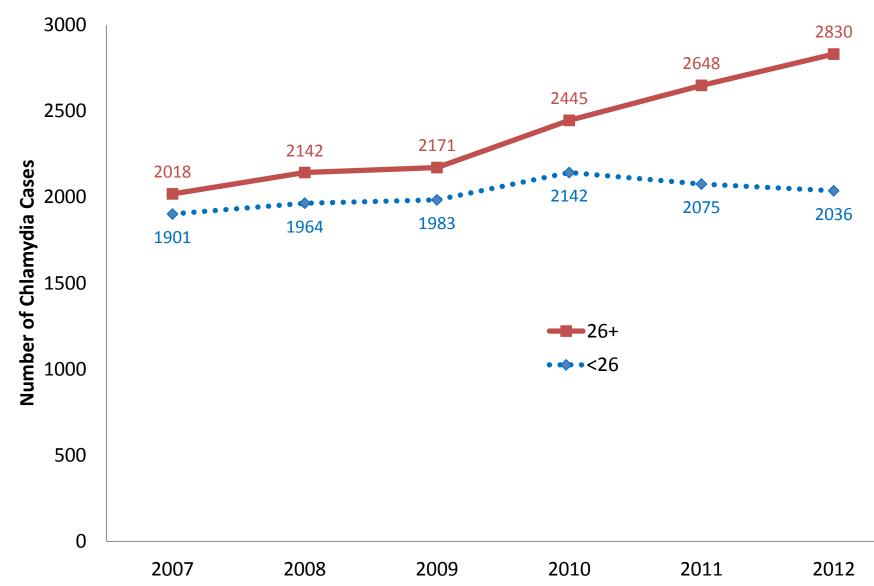
- For Adolescents
 - 1 out of 249 was infected with gonorrhea
 - 1 out of 100 was infected with chlamydia
- For Adults
 - 1 out of 238 was infected with gonorrhea
 - 1 out of 213 was infected with chlamydia

City Wide Adolescent STD Morbidity

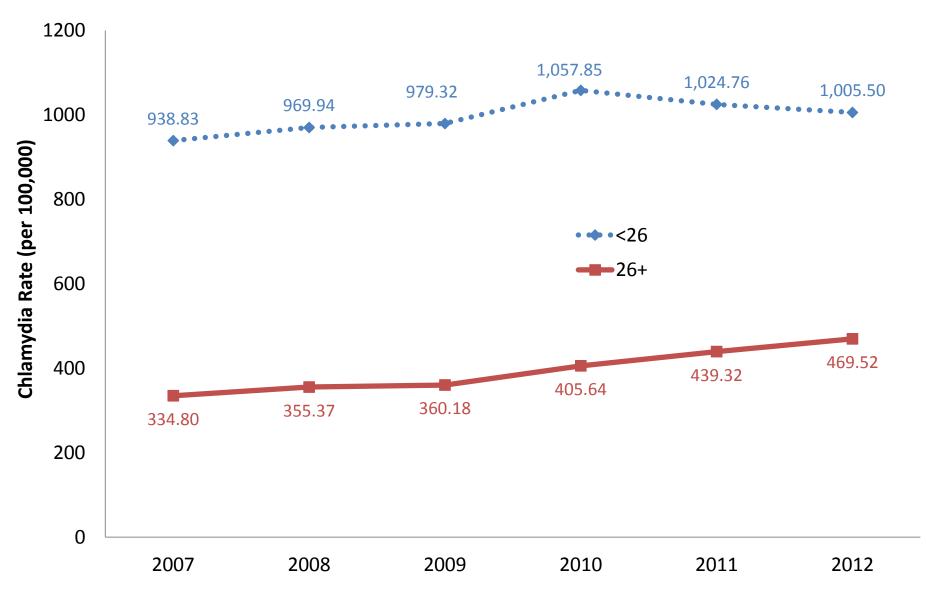
Notes about Data Included in Supplement – Morbidity

- For the purposes of this supplement, adolescent is defined as a person aged 25 years or younger
- As per CA state law, all positive reactive syphilis serologic results and positive chlamydia and gonorrhea tests are reported to SFSTD from laboratories as well as mandated provider case reports
- Beginning in 2004, SFSTD began requiring gender of sex partners be reported on all syphilis, chlamydia, and gonorrhea case reports
- San Francisco STD morbidity is defined as a lab or provider report of syphilis, chlamydia, or gonorrhea for a resident of San Francisco
 - When multiple reports for the same patient and same STD are received within 30 days of a prior report, only the initial report is counted as San Francisco morbidity
- Due to the high volume, chlamydia and gonorrhea morbidity reports are not investigated.
- SFSTD recommends that sexually active adolescents be screened annually for:
 - Chlamydia
 - Gonorrhea

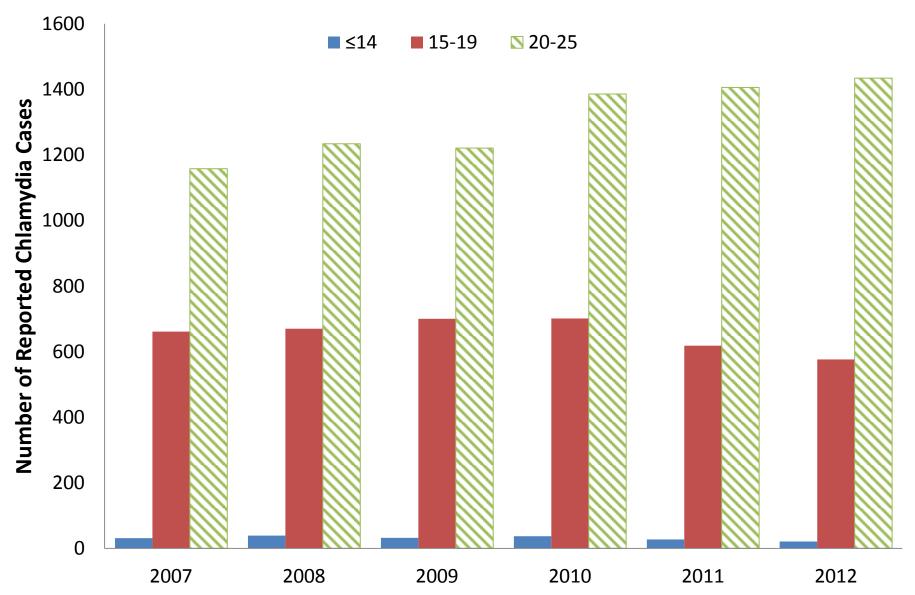
Reported Chlamydia by Age, San Francisco 2007-2012



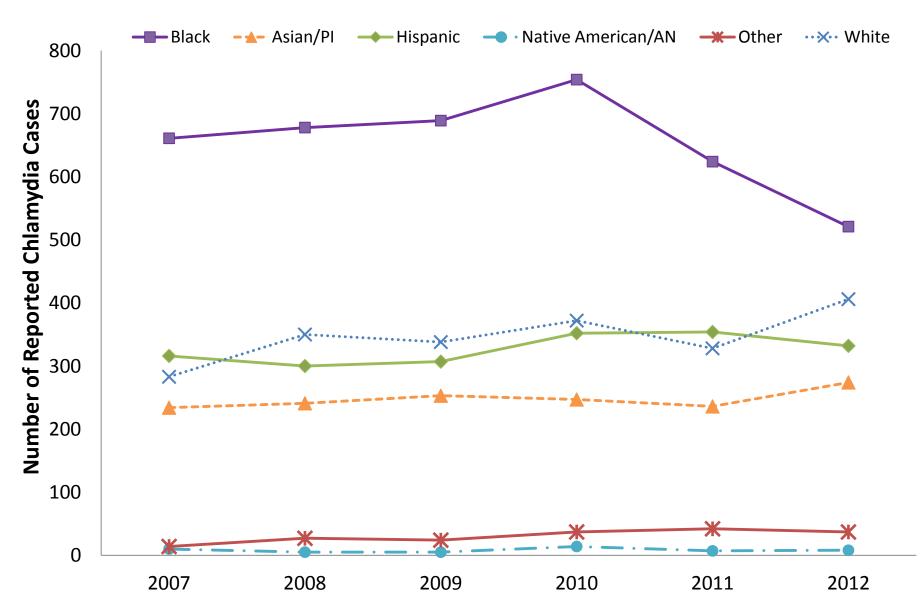
Chlamydia Rates (per 100,000 population), San Francisco 2007-2012



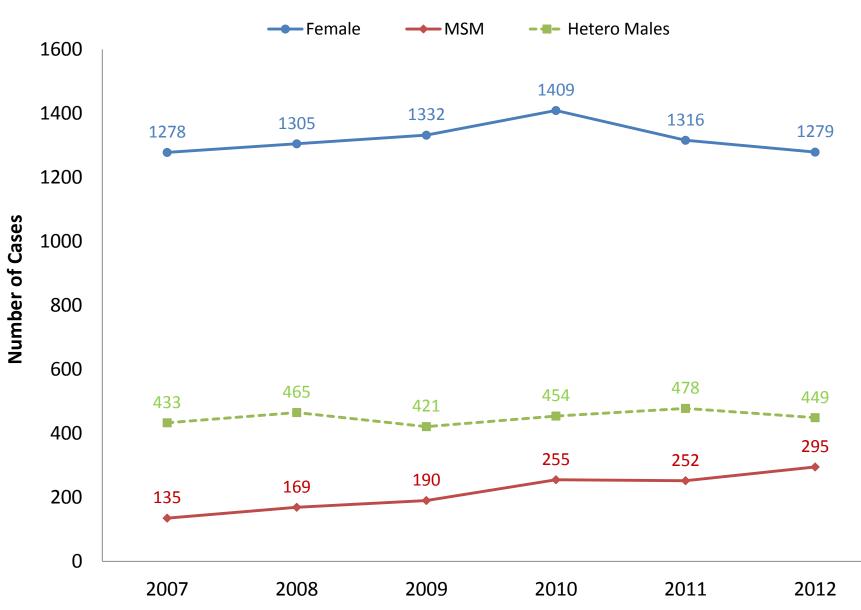
Reported Adolescent Chlamydia by Age, San Francisco 2007-2012



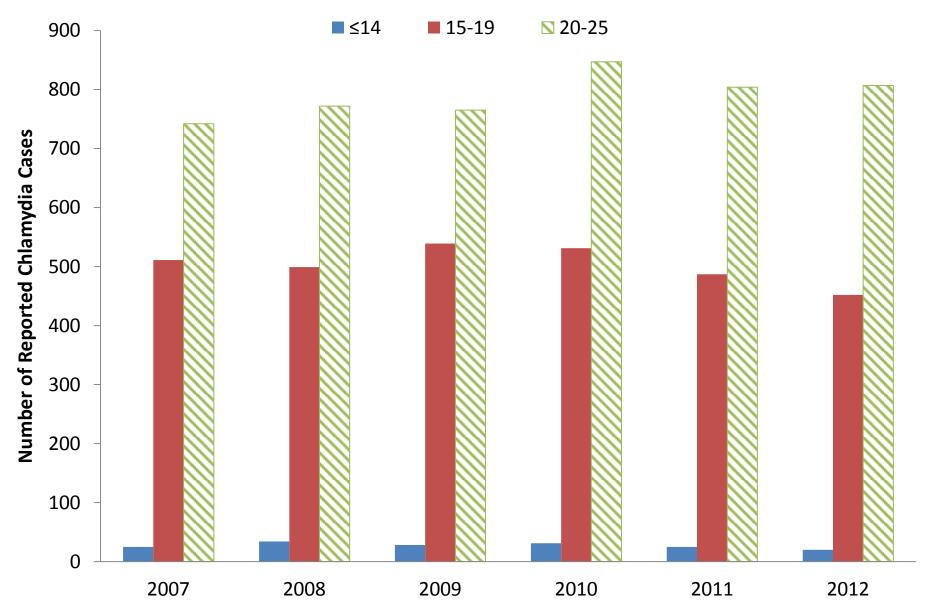
Reported Adolescent Chlamydia by Race/Ethnicity, San Francisco 2007-2012



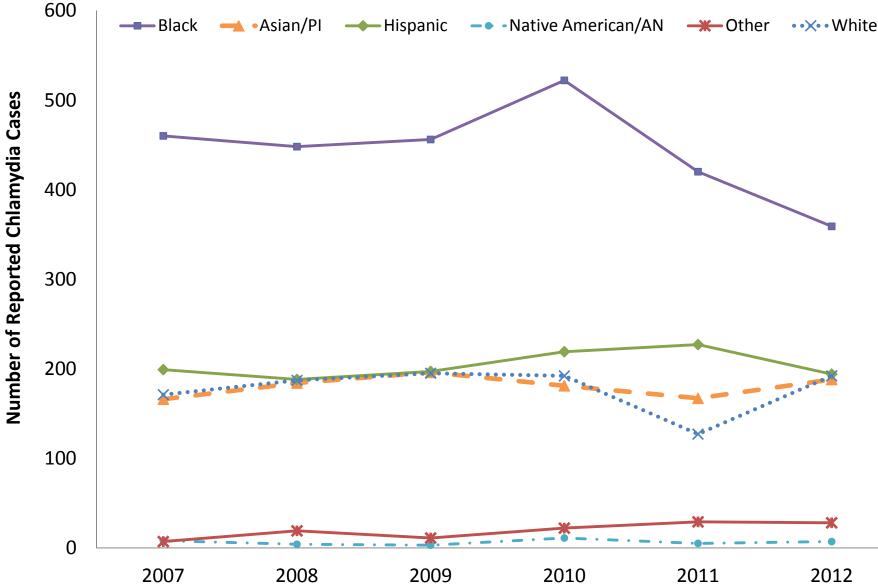
Reported Adolescent Chlamydia by Sexual Orientation, San Francisco 2007-2012



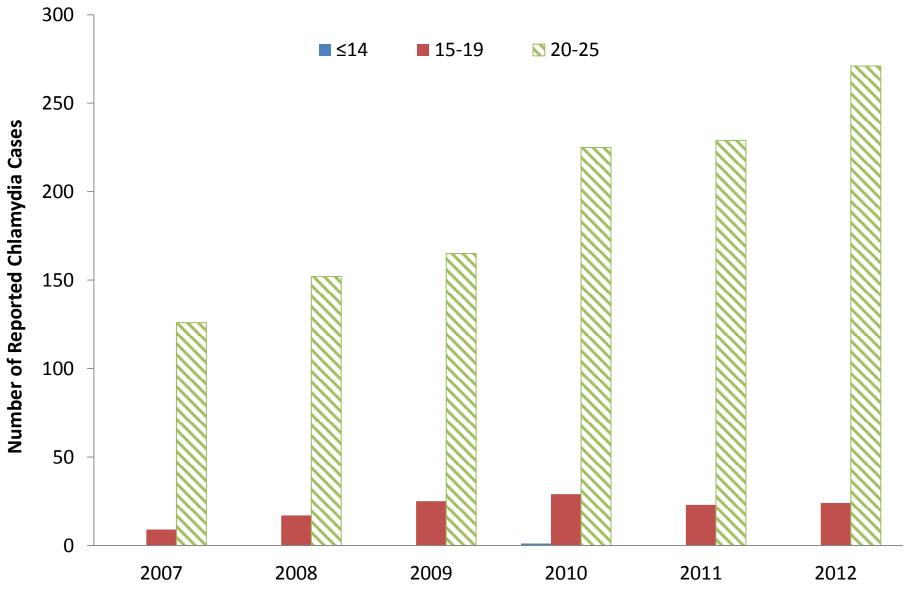
Reported Female Adolescent (≤25 years) Chlamydia by Age, San Francisco 2007-2012



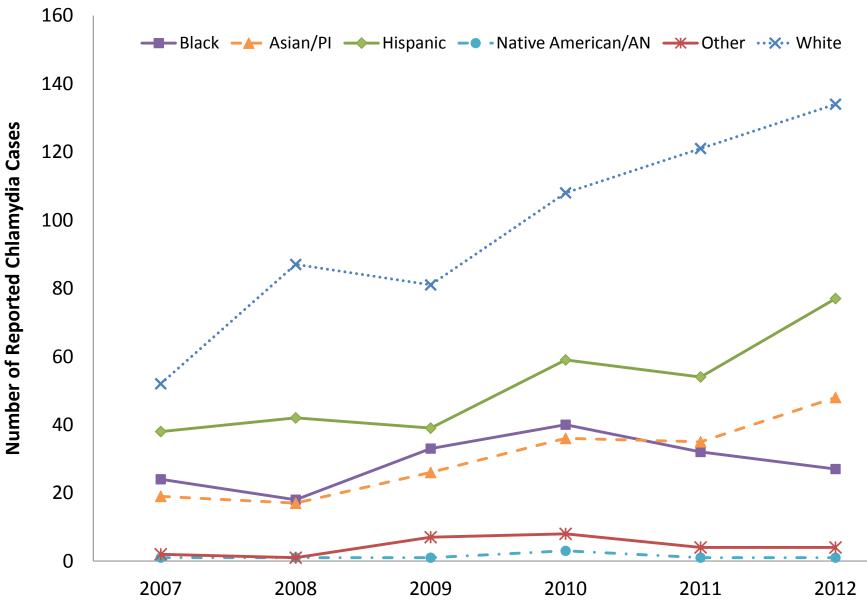




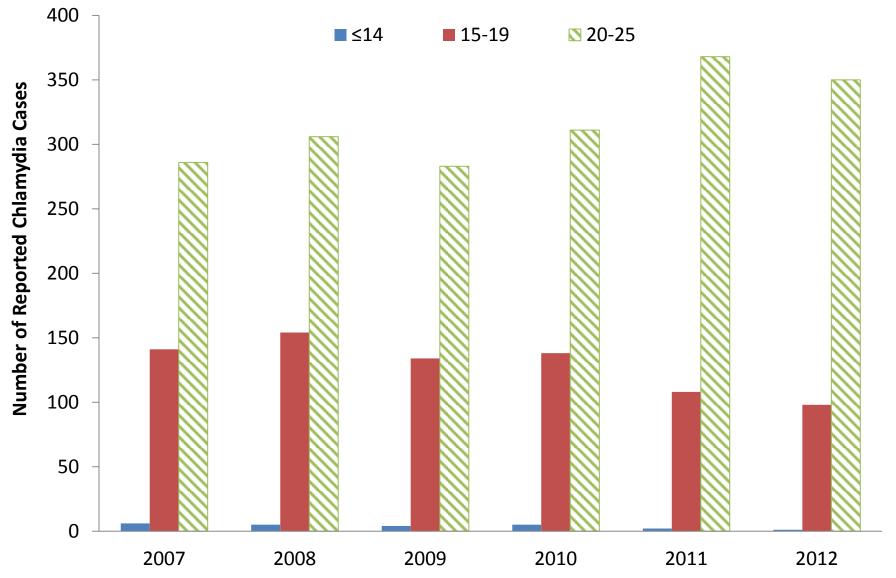
Reported MSM Adolescent (≤25 years) Chlamydia by Age, San Francisco 2007-2012



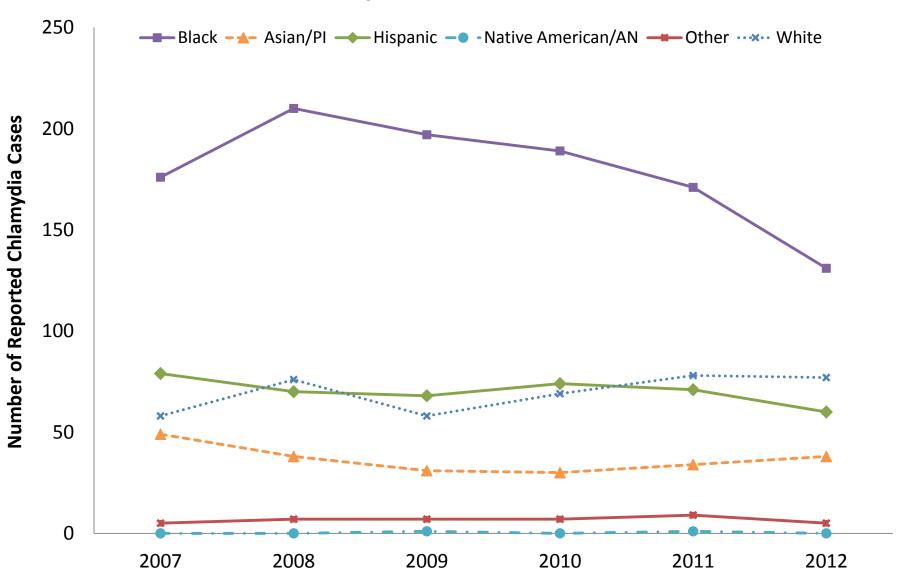
Reported MSM Adolescent (≤25 years) Chlamydia by Race/Ethnicity, San Francisco 2007-2012



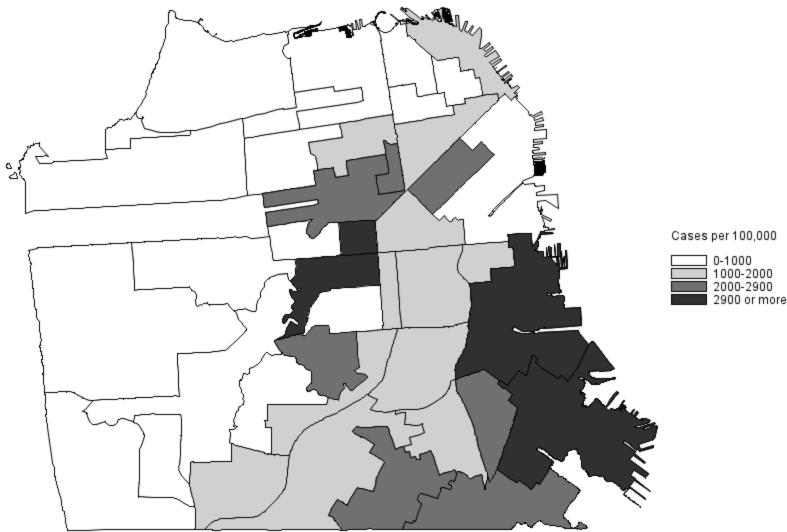
Reported MSW Adolescent (≤25 years) Chlamydia by Age, San Francisco 2007-2012



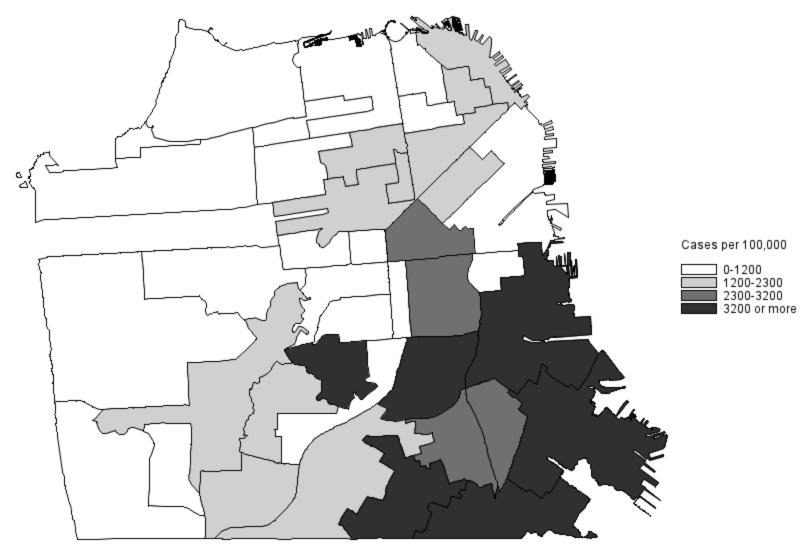
Reported MSW Adolescent (≤25 years) Chlamydia by Race/Ethnicity, San Francisco 2007-2012



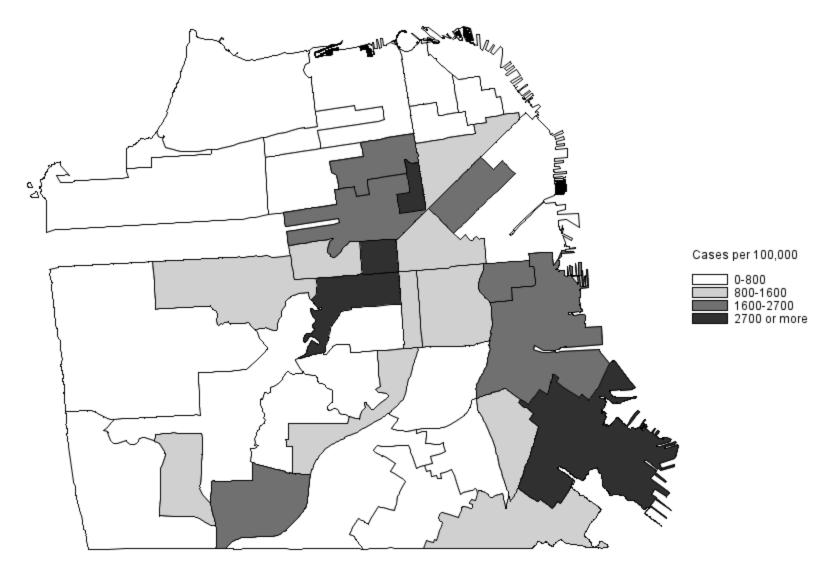
Chlamydia Cases among Adolescents, San Francisco 2012



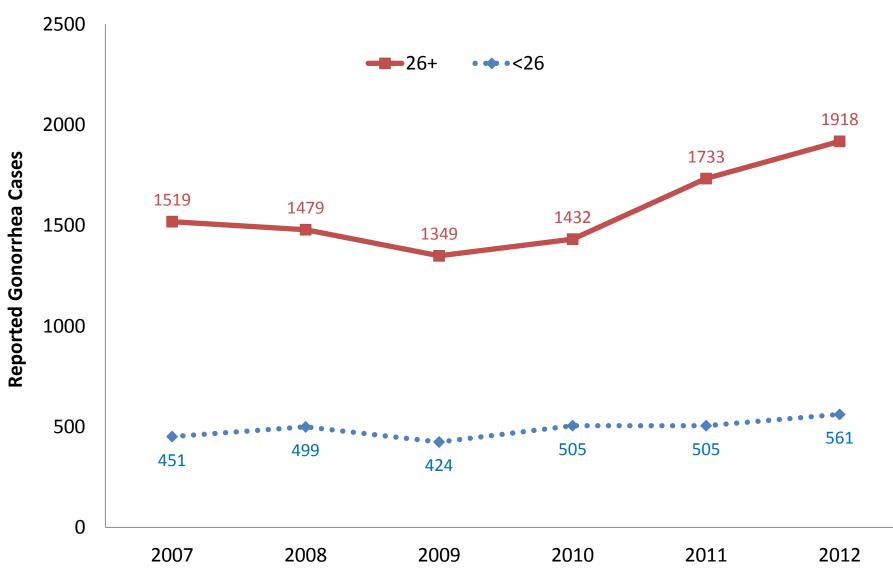
Chlamydia Cases among Female Adolescents, San Francisco 2012

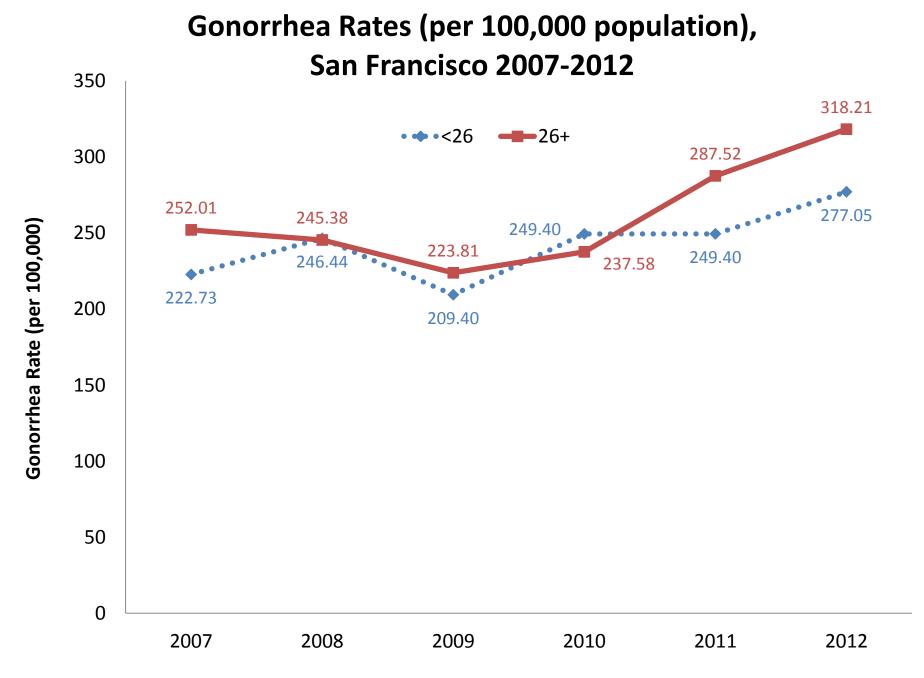


Chlamydia Cases among Male Adolescents, San Francisco 2012

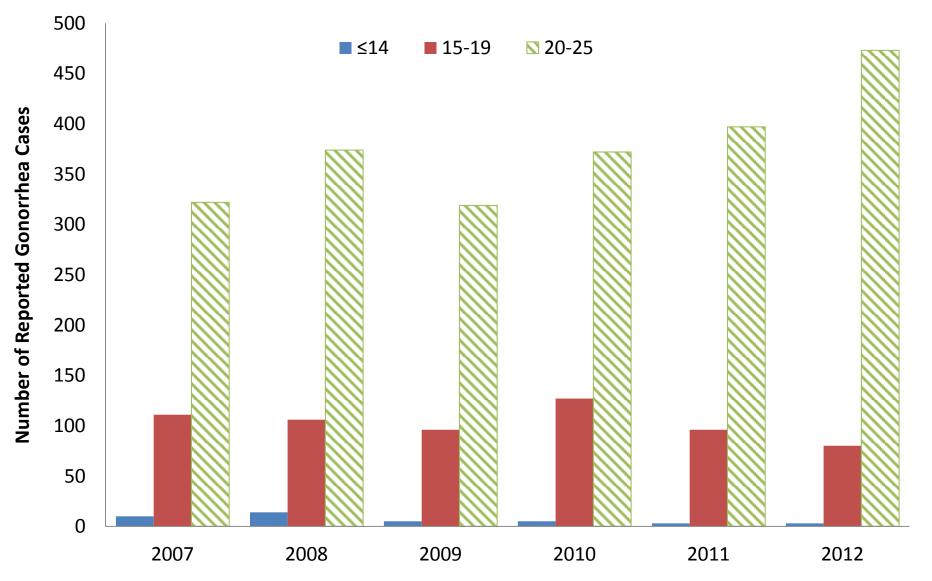


Reported Gonorrhea by Age, San Francisco 2007-2012

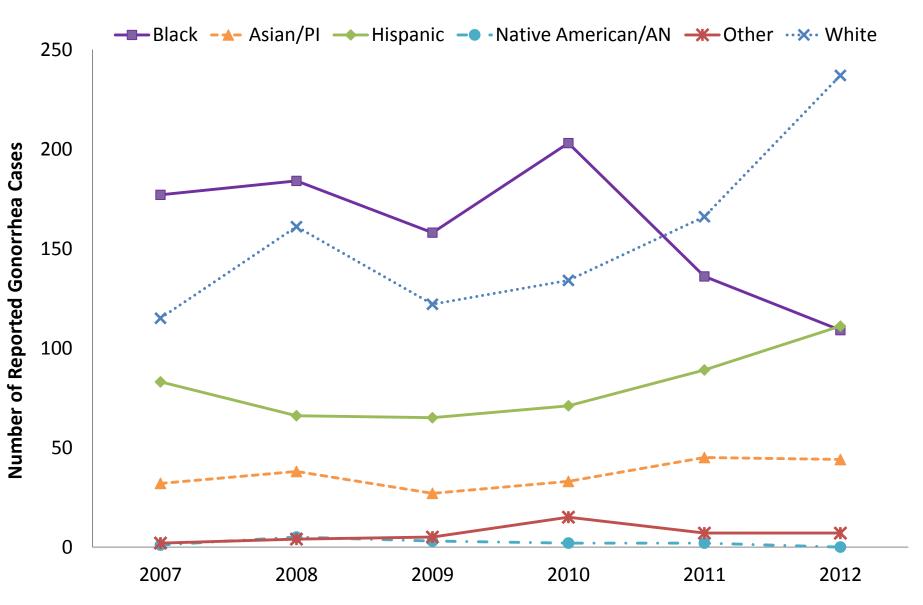




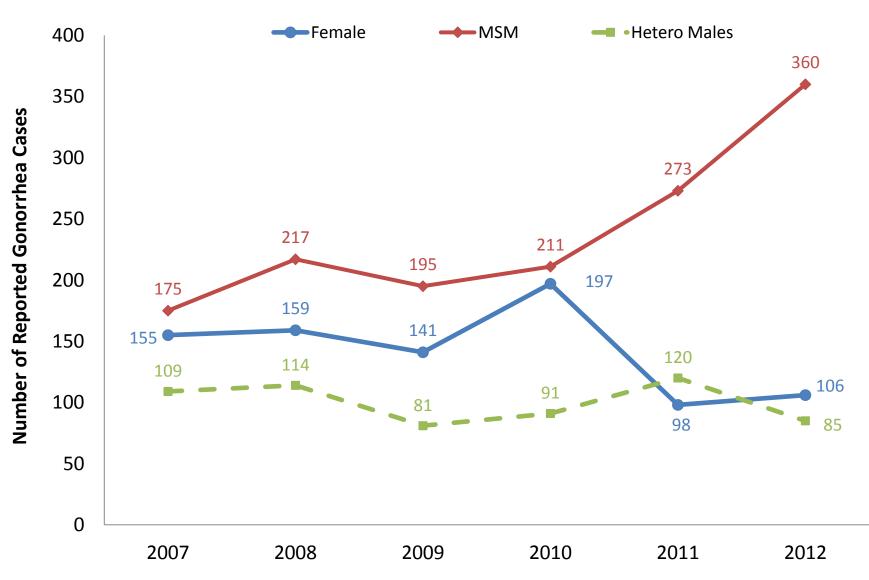
Reported Adolescent Gonorrhea by Age, San Francisco 2007-2012



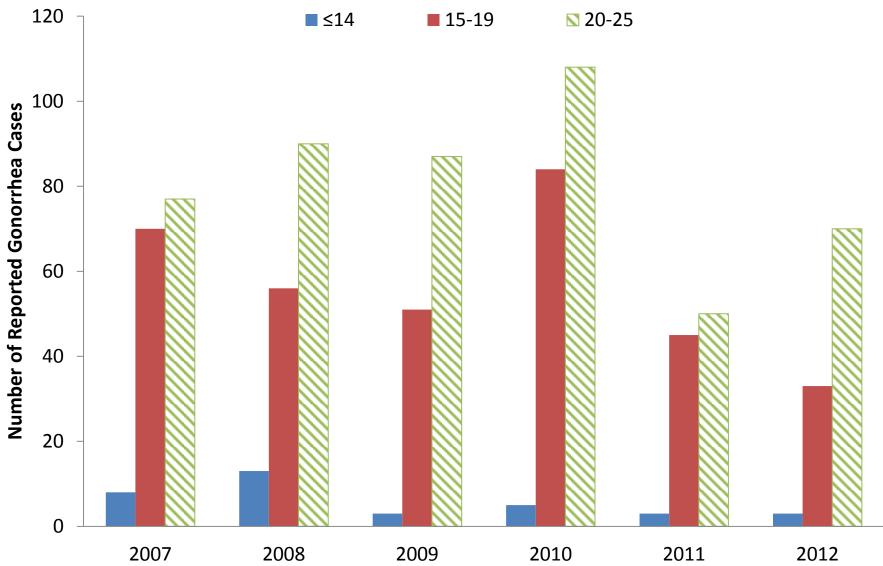
Reported Adolescent Gonorrhea by Race/Ethnicity, San Francisco 2007-2012



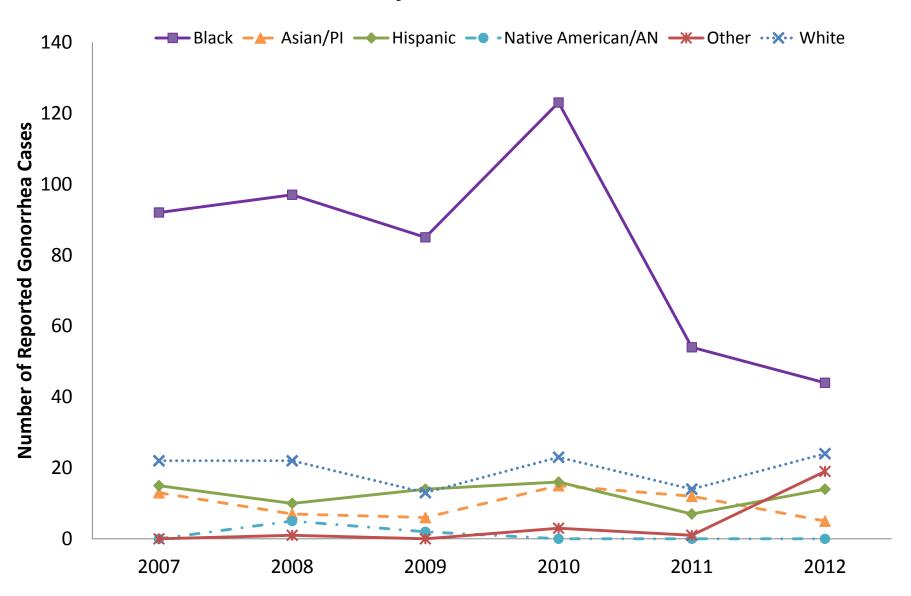
Reported Adolescent Gonorrhea by Orientation, San Francisco 2007-2012



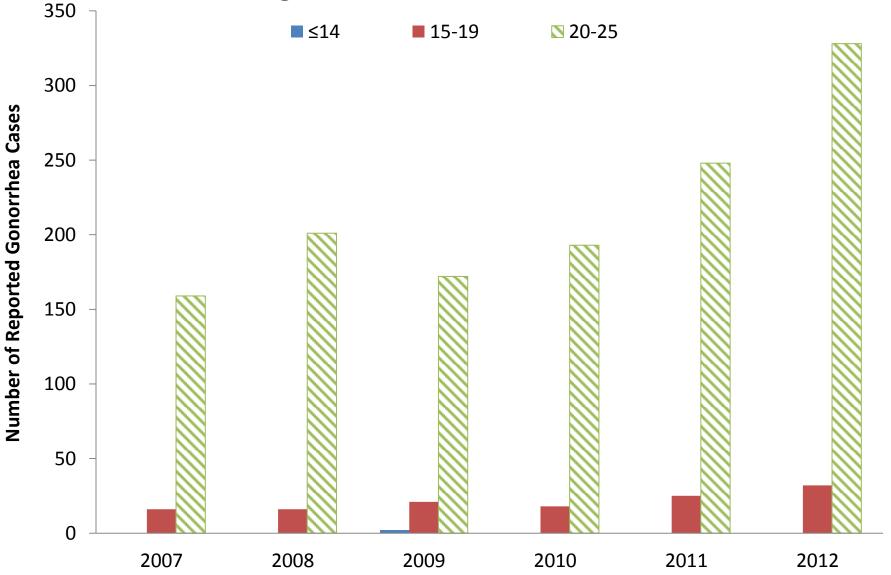
Reported Female Adolescent (≤25 years) Gonorrhea by Age, San Francisco 2007-2012



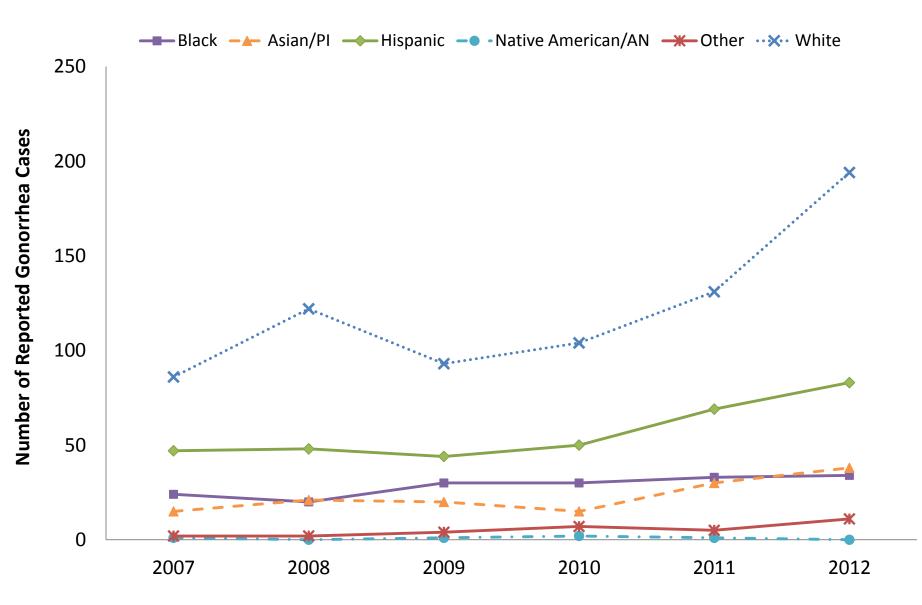
Reported Female Adolescent (≤25 years) Gonorrhea by Race/Ethnicity, San Francisco 2007-2012



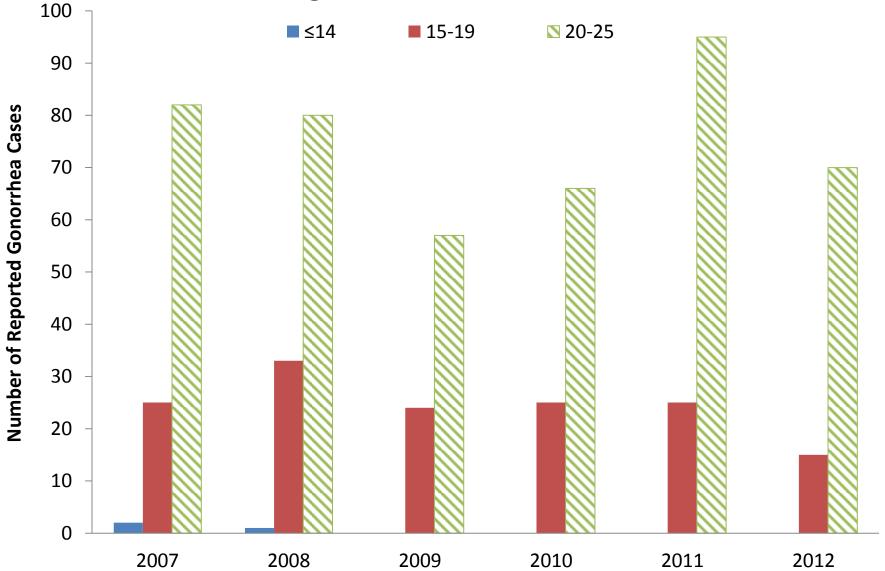
Reported MSM Adolescent (≤25 years) Gonorrhea by Age, San Francisco 2007-2012

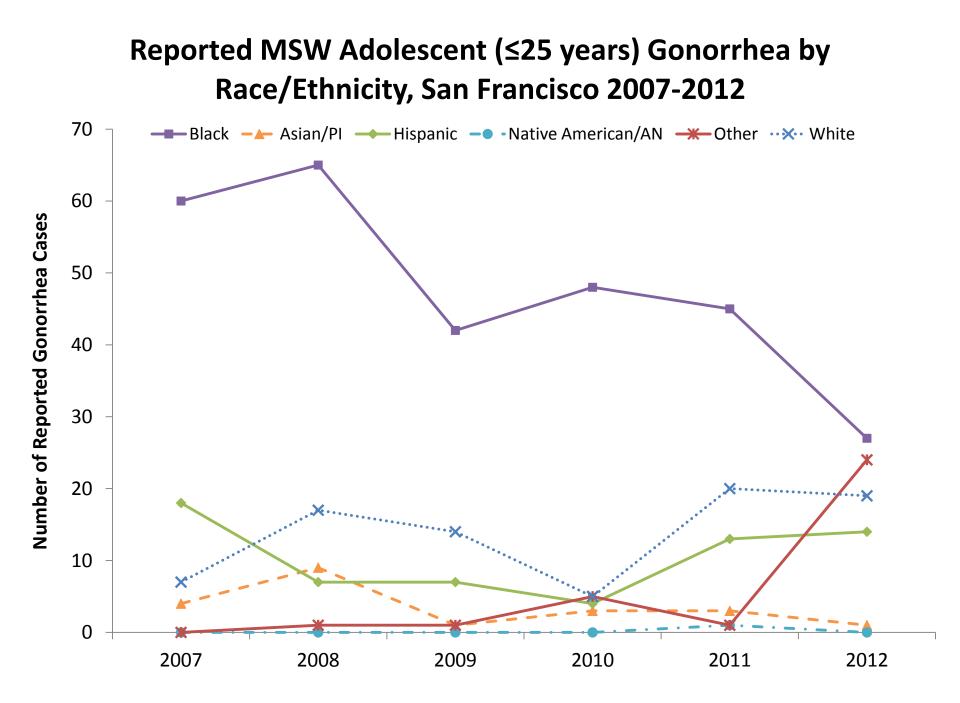


Reported MSM Adolescent (≤25 years) Gonorrhea by Race/Ethnicity, San Francisco 2007-2012

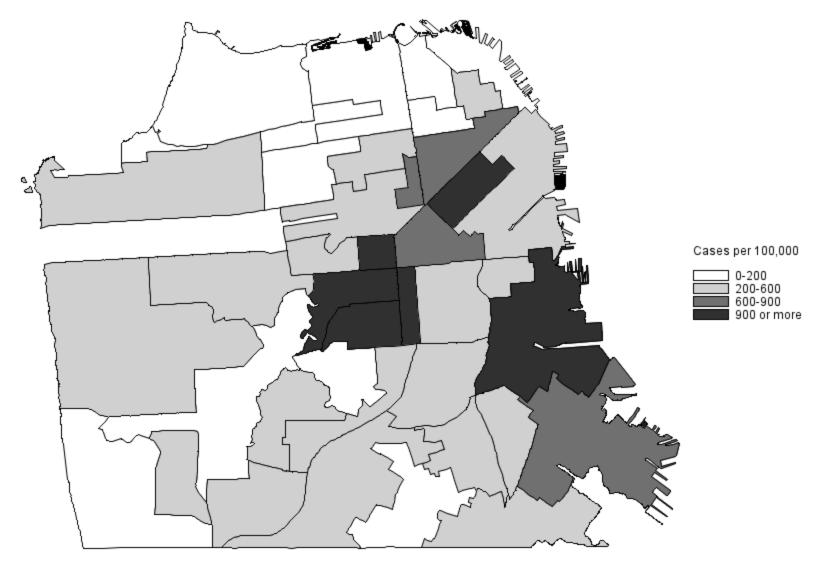


Reported MSW Adolescent (≤25 years) Gonorrhea by Age, San Francisco 2007-2012

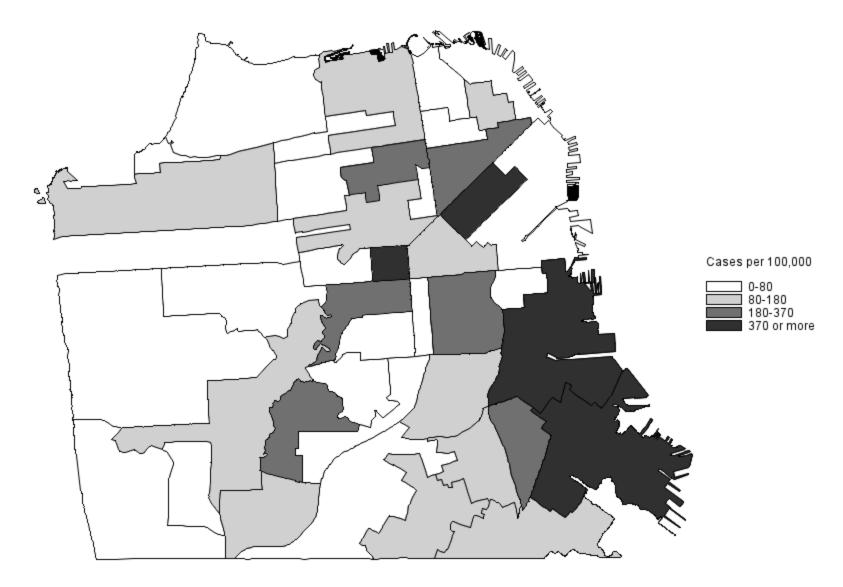




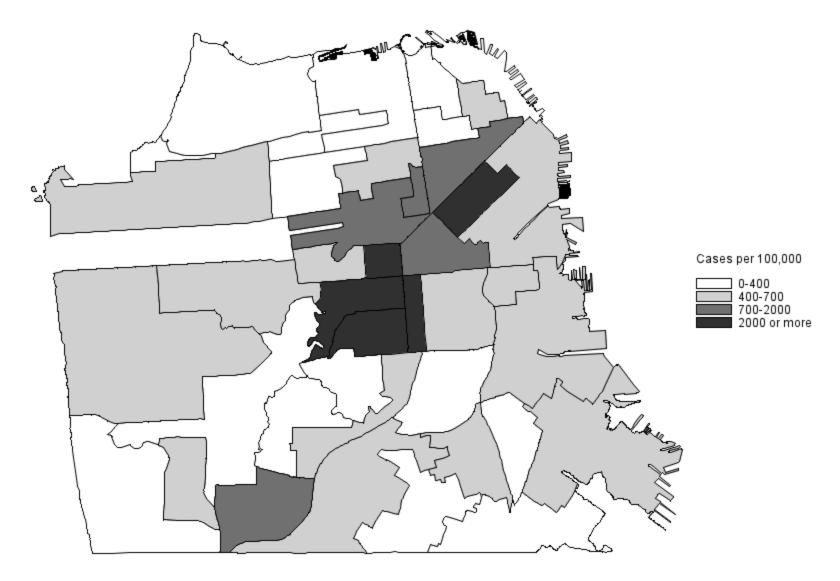
Gonorrhea Cases among Adolescents (≤25 years), San Francisco 2012



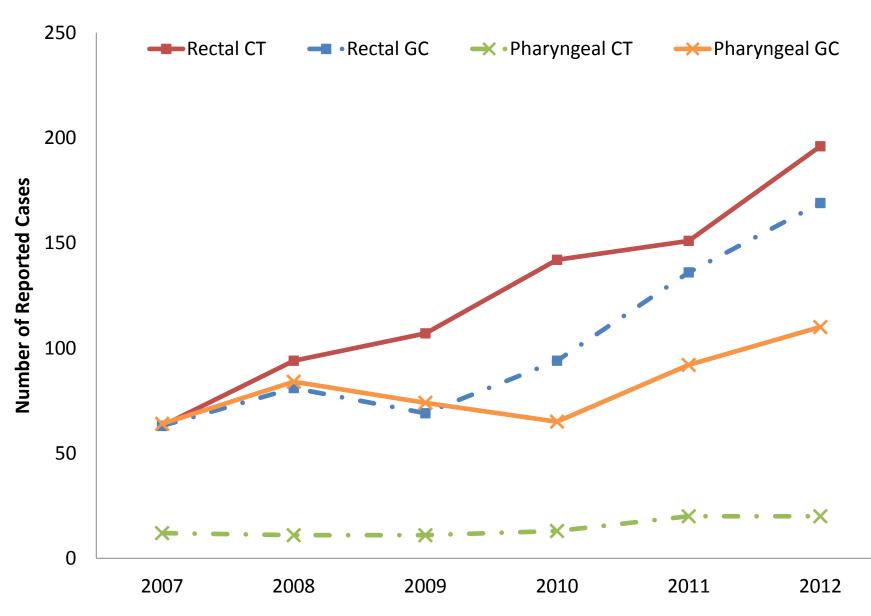
Gonorrhea Cases among Female Adolescents (≤25 years), San Francisco 2012



Gonorrhea Cases among Male Adolescents (≤25 years), San Francisco 2012



Reported Rectal and Pharyngeal Chlamydia and Gonorrhea among Adolescent MSM, San Francisco 2007-2012



San Francisco City Clinic

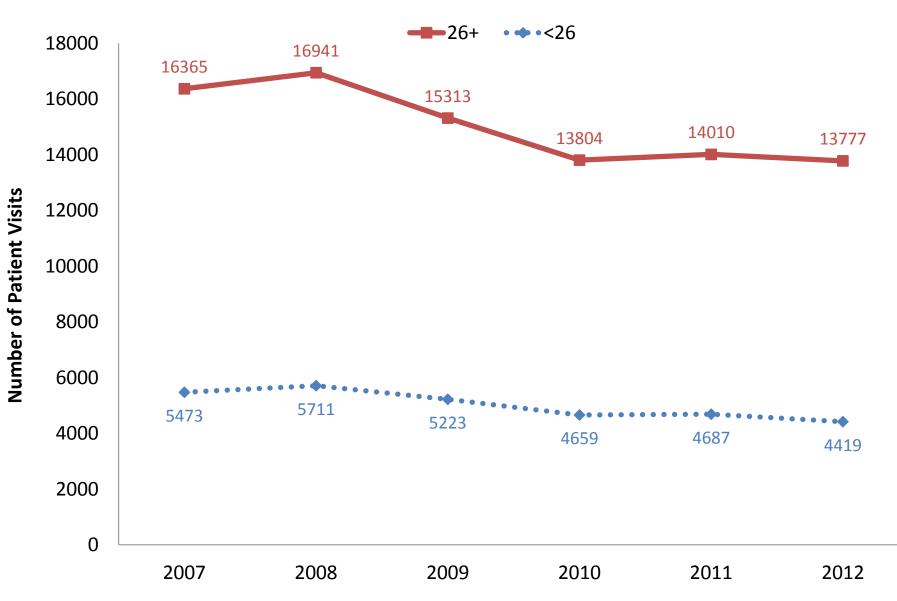
Data from San Francisco City Clinic

- San Francisco City Clinic (SFCC) provides low cost STD, HIV, and reproductive health services 5 days per week
- SFCC began using a fully electronic medical record system in June 2010
- All patients at SFCC are seen by a clinician for evaluation and risk assessment
- Demographic information is collected from patients at registration. Sexual and drug using behaviors are collected from clinicians during exam
 - All patients have a new behavioral assessment conducted if it has been more than 2 weeks since their last visit
- At SFCC, adolescents are screened for chlamydia and gonorrhea at the urogenital, pharyngeal, and rectal sites (based on reported exposure). For adolescent women, screening is also recommended for chlamydia, gonorrhea, and syphilis during 1st trimester of pregnancy and 3rd trimester if high risk. Screening for chlamydia and gonorrhea at insertion of an intrauterine device (IUD) is also recommended for adolescent women.

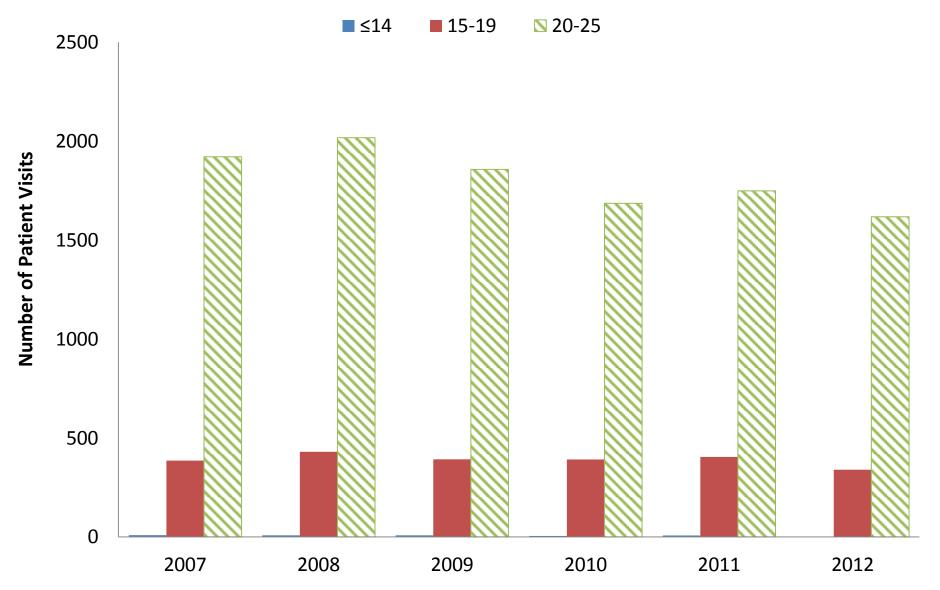
Notes about Data Included in Supplement – City Clinic

- Adolescent is defined as an individual aged 25 years or younger
- HIV status is based on self-reported status as well as HIV testing conducted at SFCC
- A symptomatic patient visit is defined as a clinical encounter where the patient reports urogenital, anorectal, pharyngeal, or dermatalogic symptoms

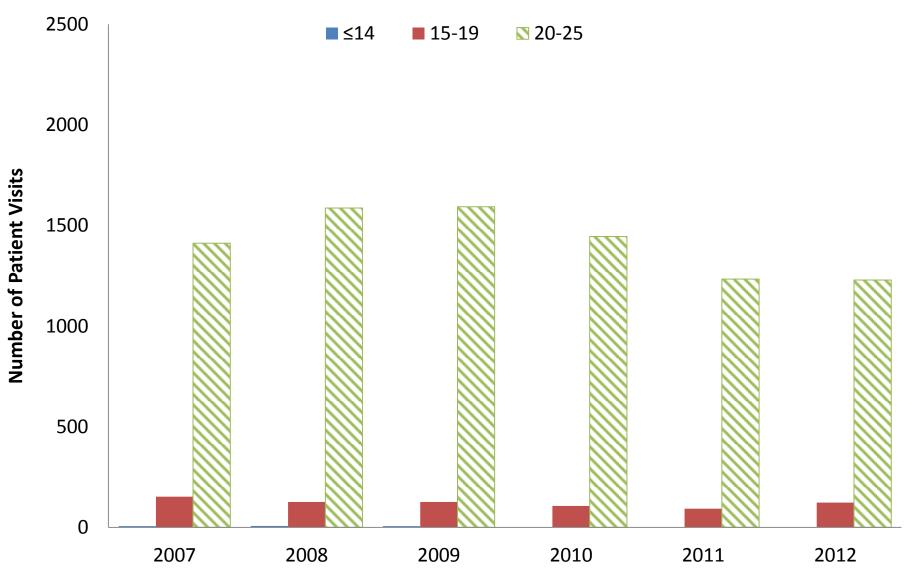
Number of Patient Visits, San Francisco City Clinic 2007-2012



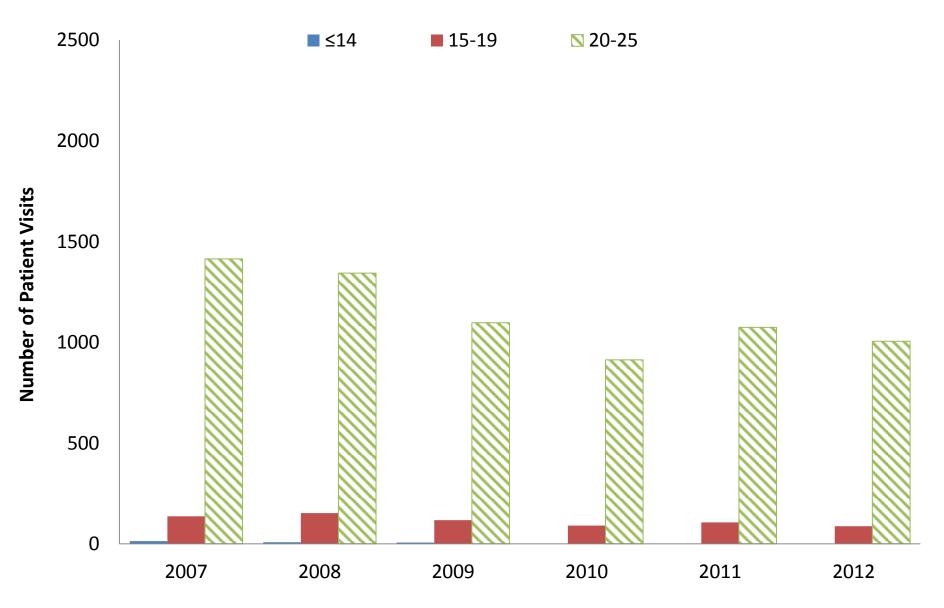
Age Distribution of Female Adolescent (≤25 years) Patient Visits, San Francisco City Clinic 2007-2010



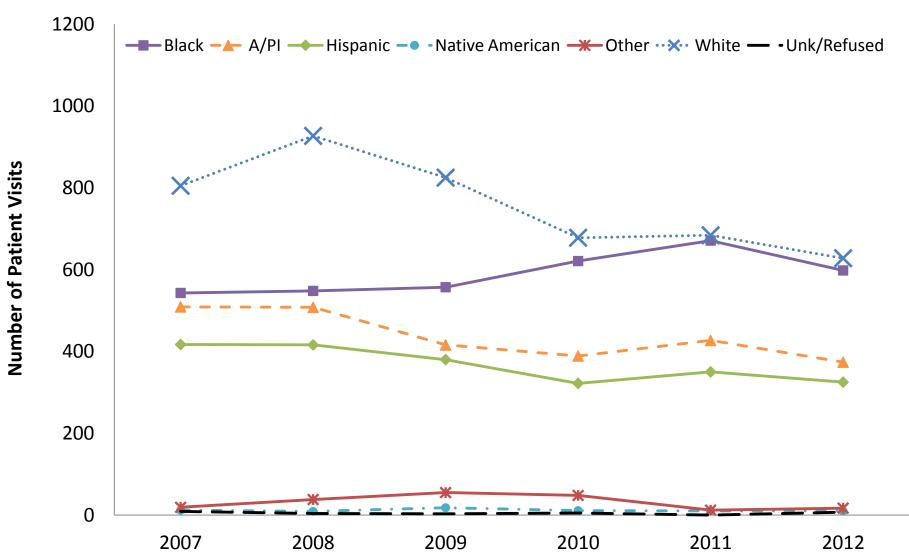
Age Distribution of MSM Adolescent Patient Visits, San Francisco City Clinic 2007-2012



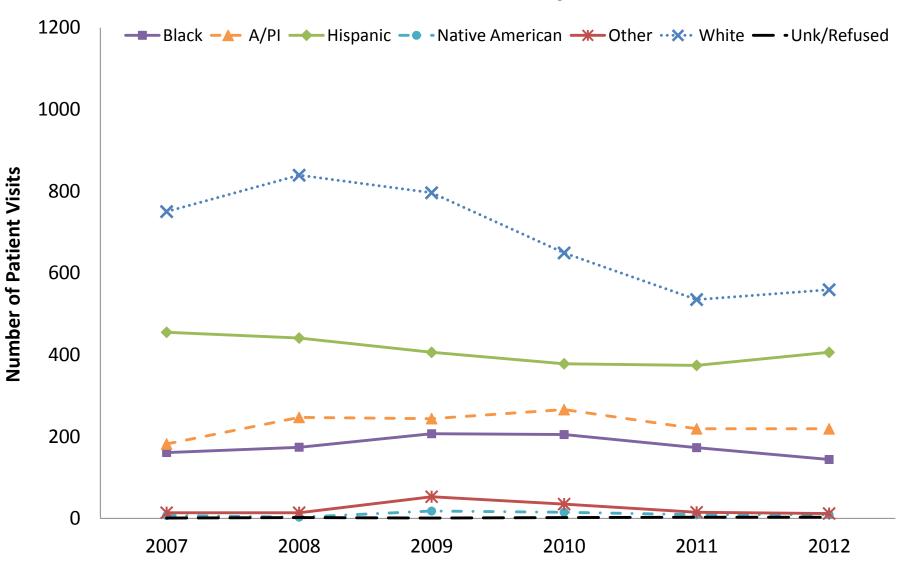
Age Distribution of Heterosexual Male Adolescent (≤25 years) Patient Visits, San Francisco City Clinic 2007-2012



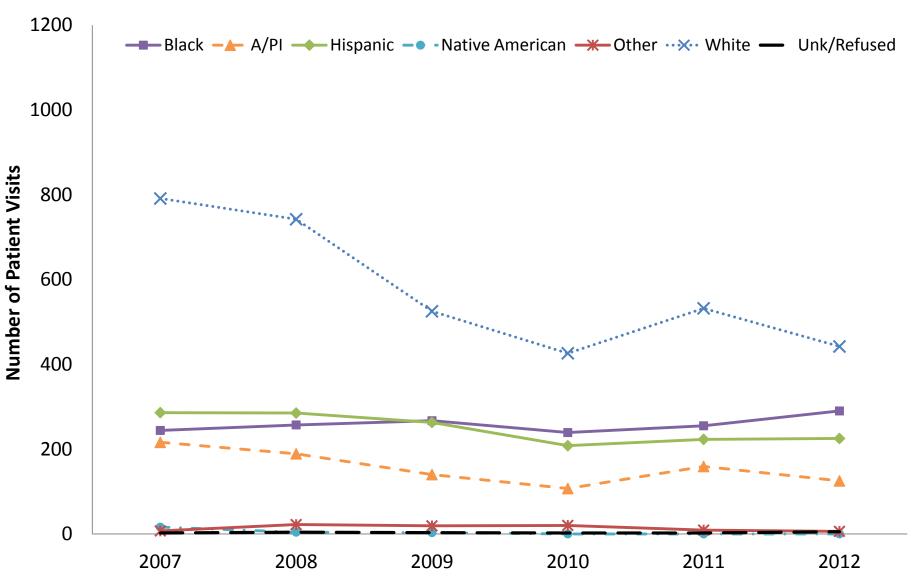
Race/Ethnicity Distribution of Female Adolescent Patient Visits, San Francisco City Clinic 2007-2012



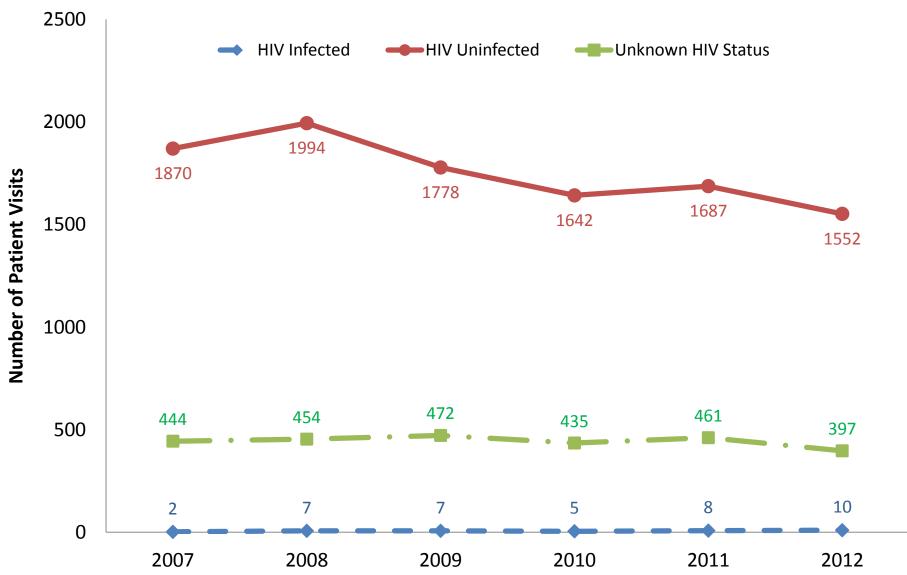
Race/Ethnicity Distribution of MSM Adolescent Patient Visits, San Francisco City Clinic 2007-2012

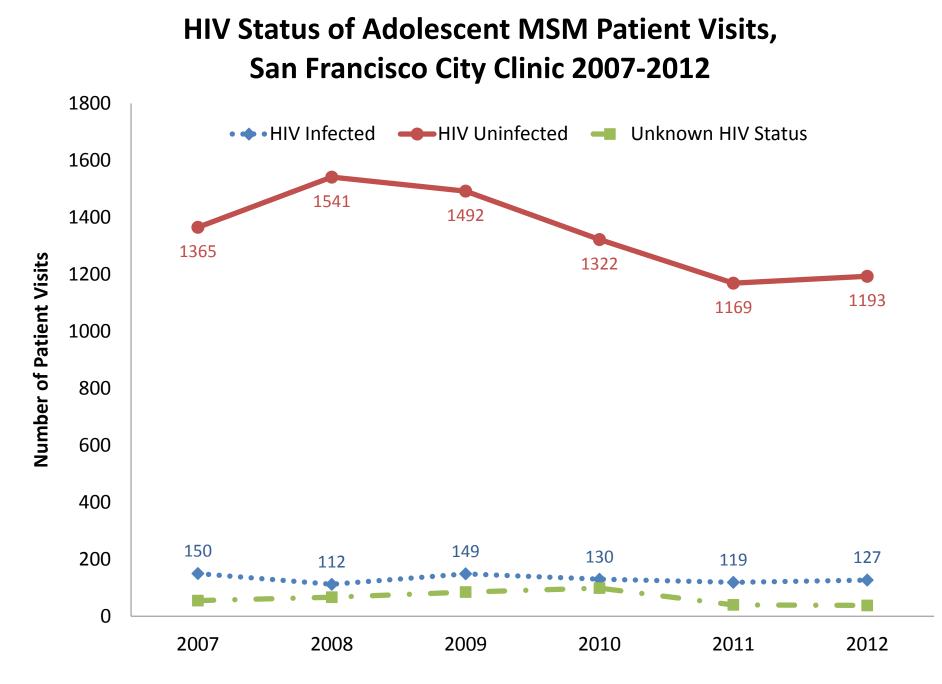


Race/Ethnicity Distribution of Heterosexual Male Adolescent Patient Visits, San Francisco City Clinic 2007-2012

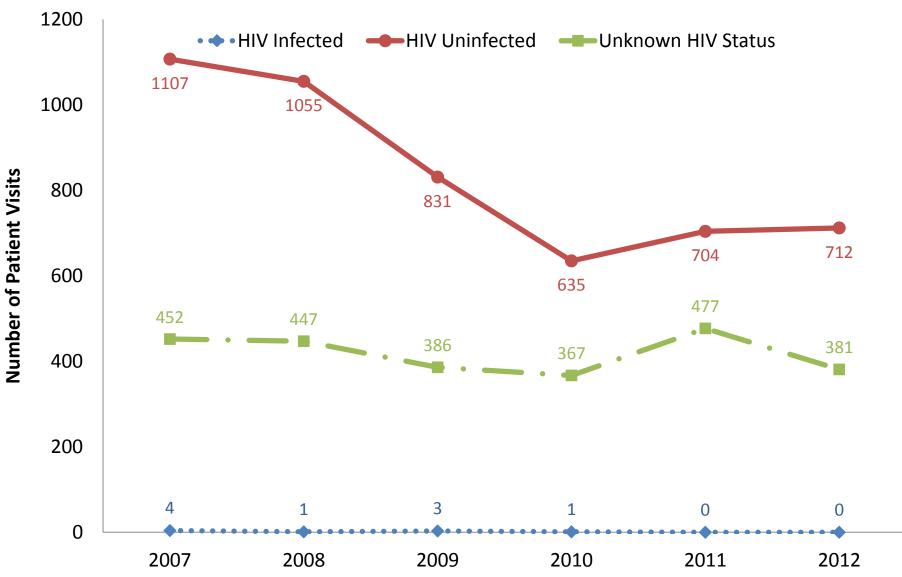


HIV Status of Female Adolescent Patient Visits, San Francisco City Clinic 2007-2012

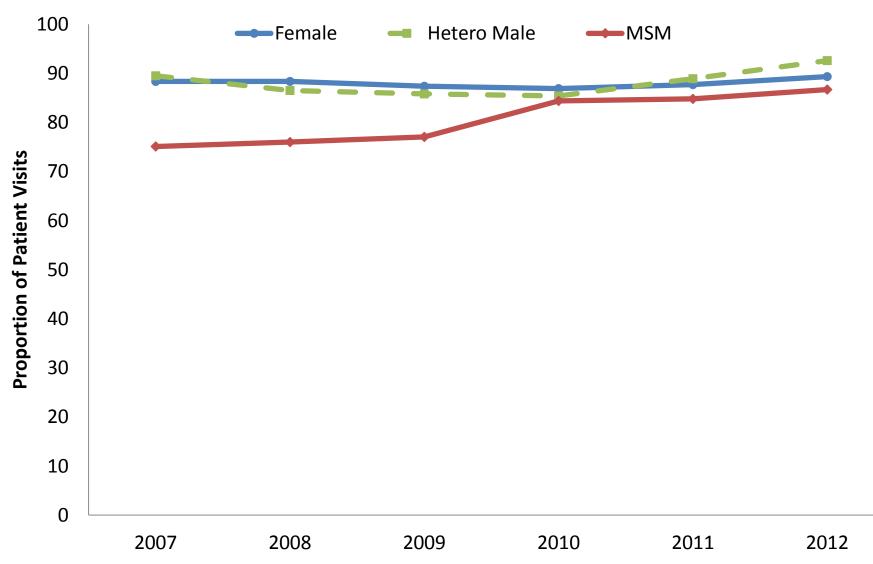


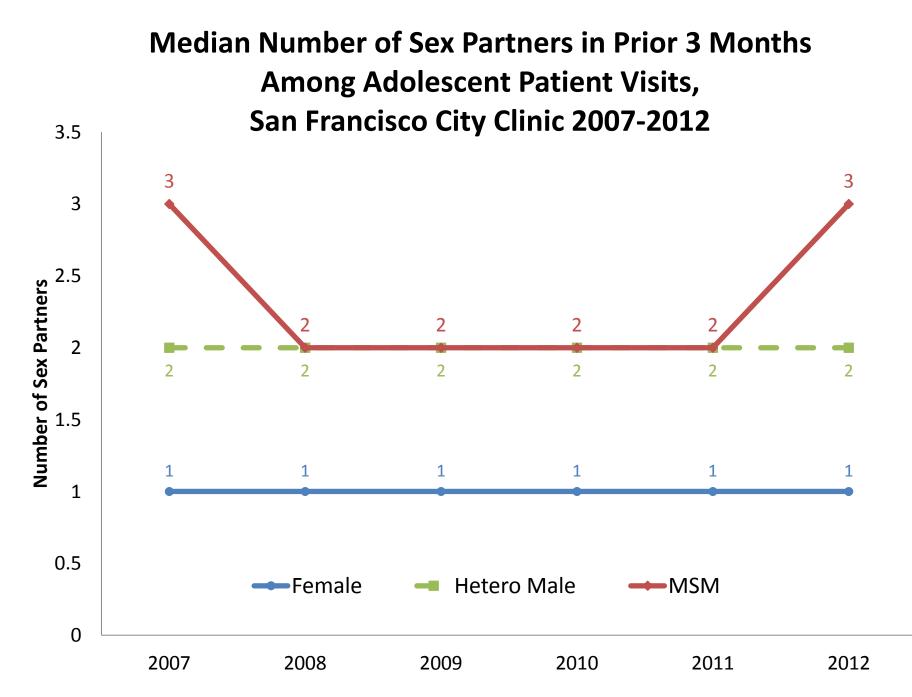


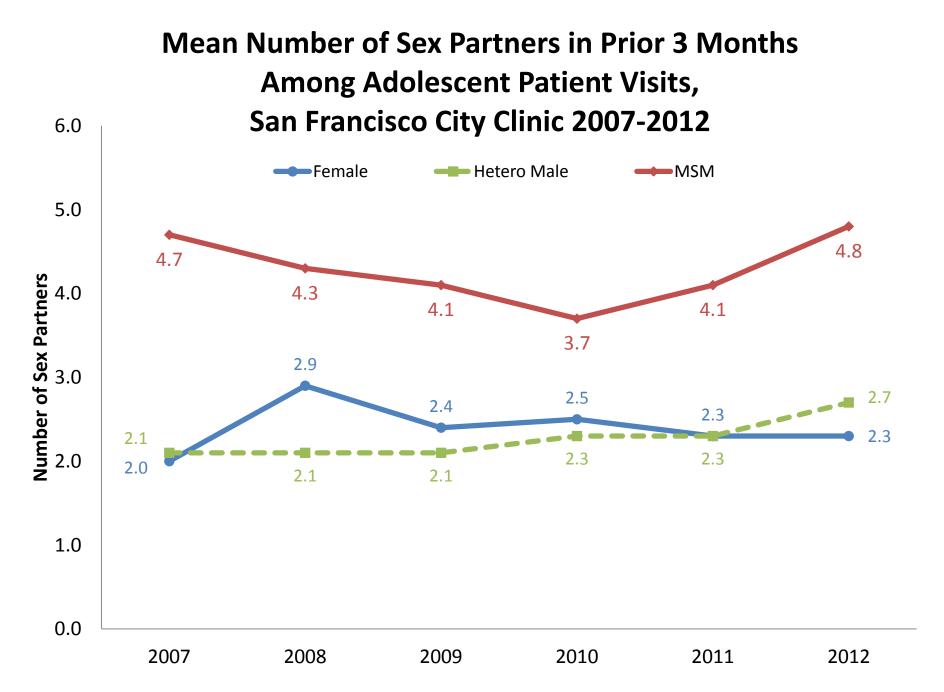
HIV Status of Heterosexual Male Adolescent Patient Visits, San Francisco City Clinic 2007-2012

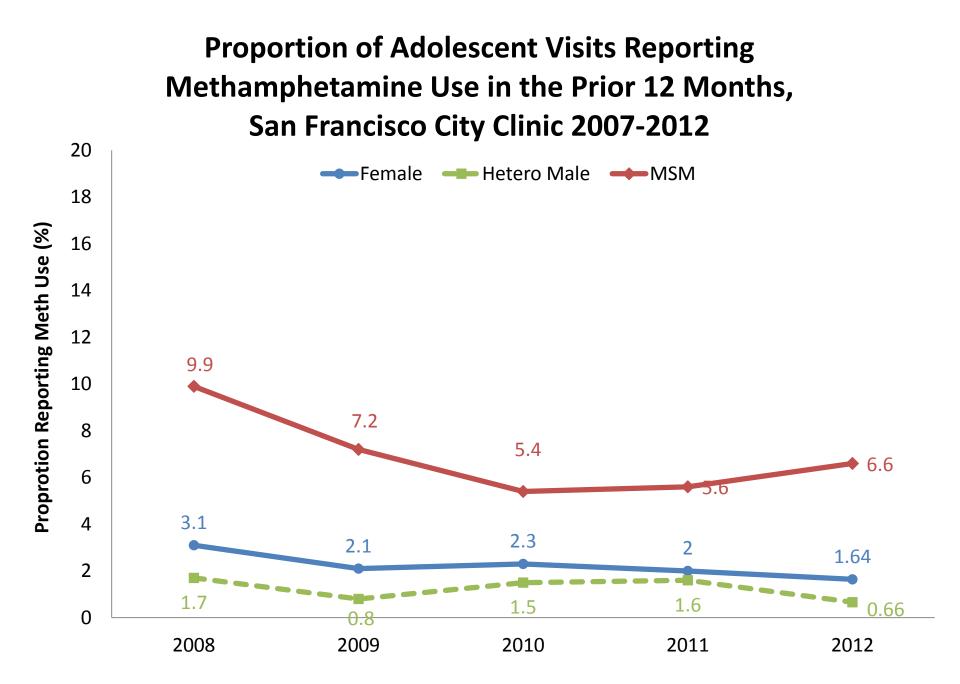


Proportion of Symptomatic Adolescent Patient Visits, San Francisco City Clinic 2007-2012

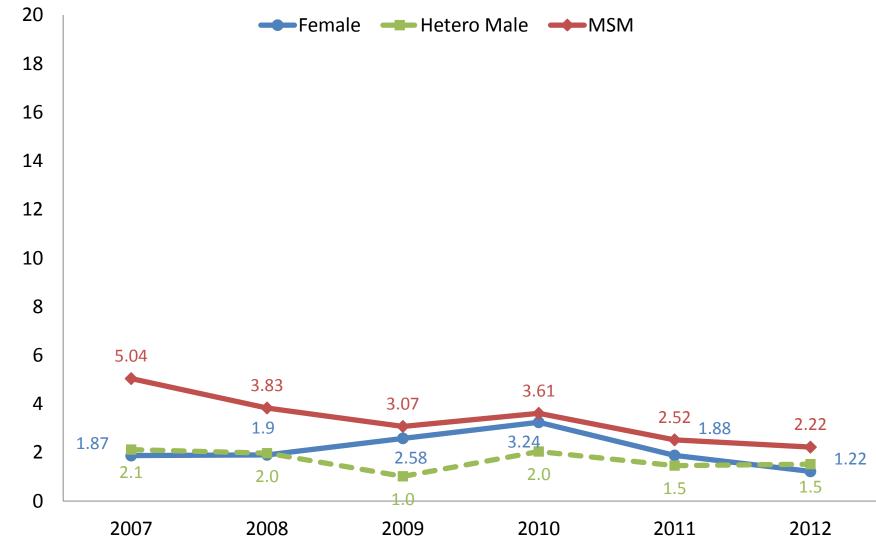






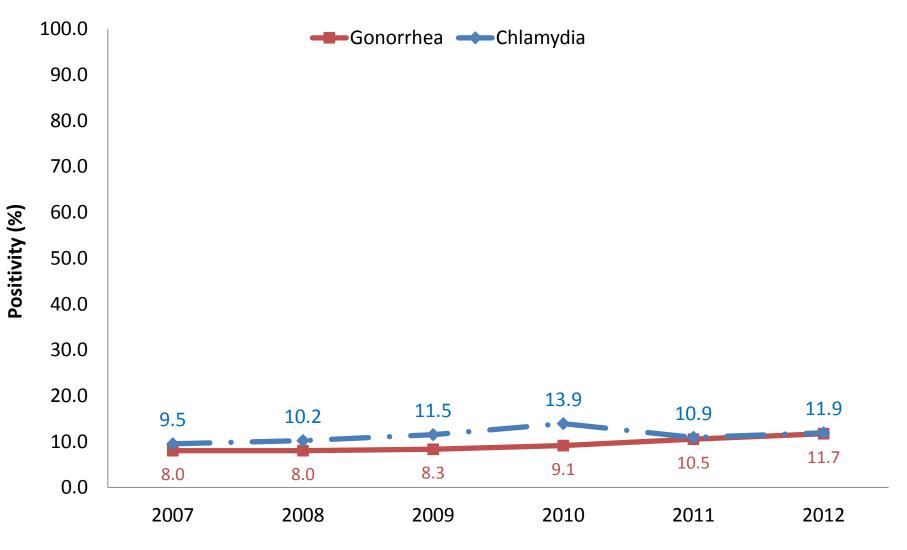


Proportion of Adolescent Visits Reporting Any Lifetime Injection Drug Use, San Francisco City Clinic 2007-2012

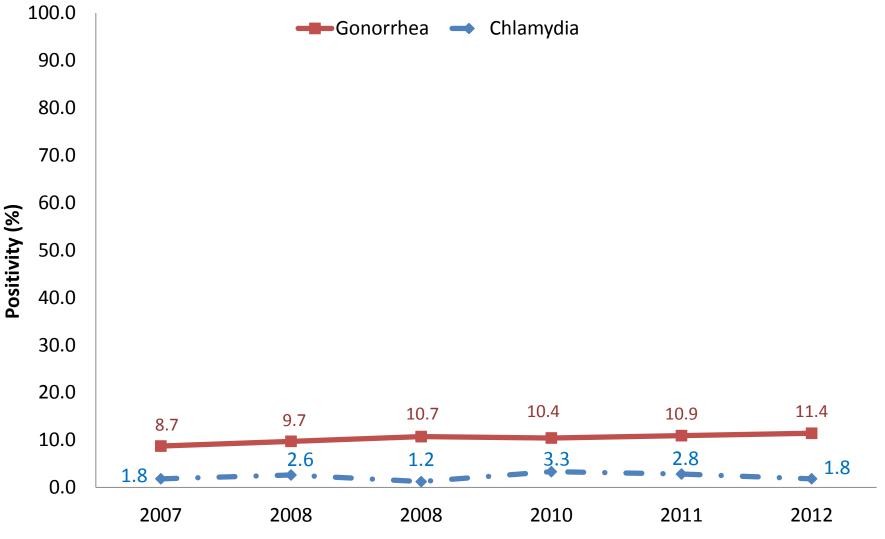


Proportion of Patient Visits

Rectal Gonorrhea and Chlamydia Positivity among Adolescent MSM, San Francisco City Clinic 2007-2012

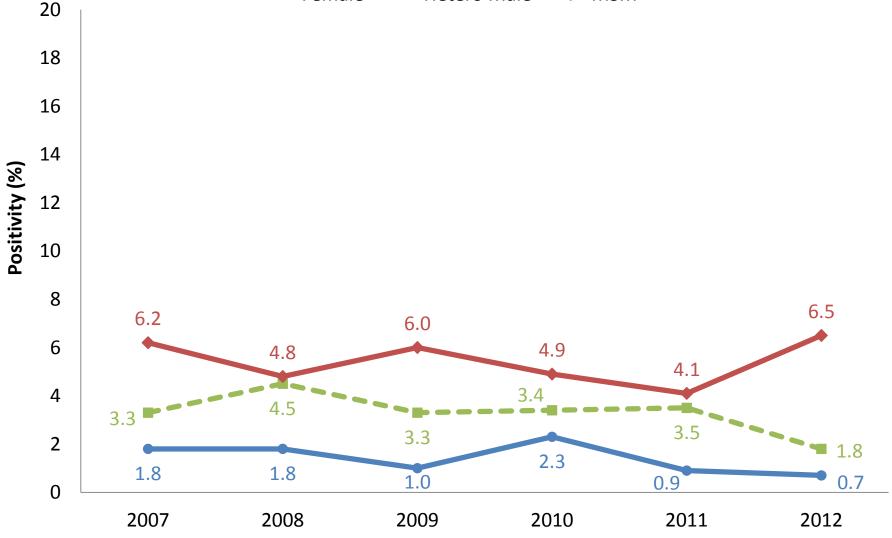


Pharyngeal Gonorrhea and Chlamydia Positivity among Adolescent MSM, San Francisco City Clinic 2007-2012



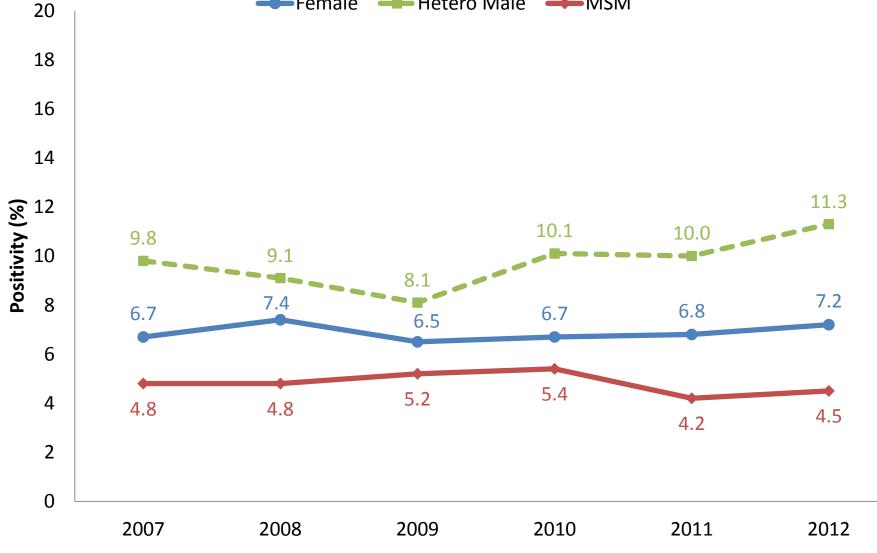
Urogenital Gonorrhea Positivity among Adolescents, San Francisco City Clinic 2007-2012

----Female ----Hetero Male ----MSM



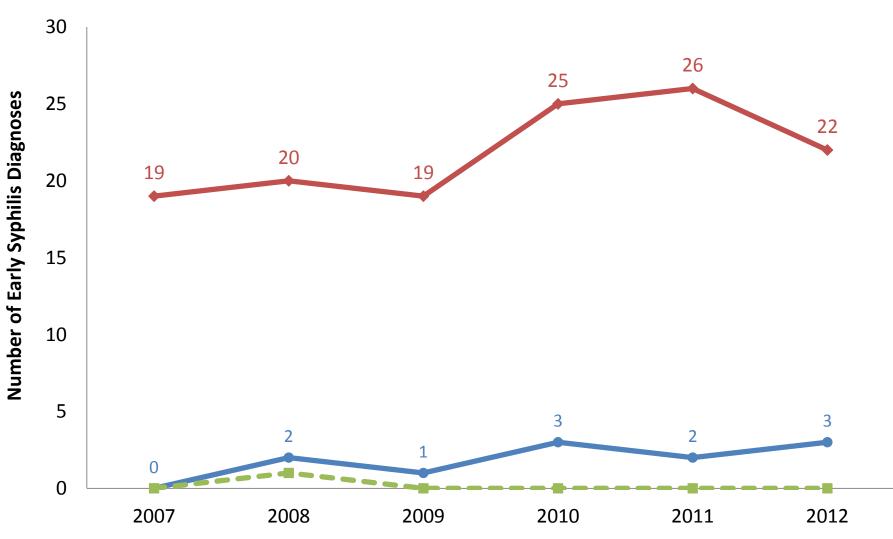
Urogenital Chlamydia Positivity among Adolescents, San Francisco City Clinic 2007-2012

----Female -----Hetero Male -----MSM

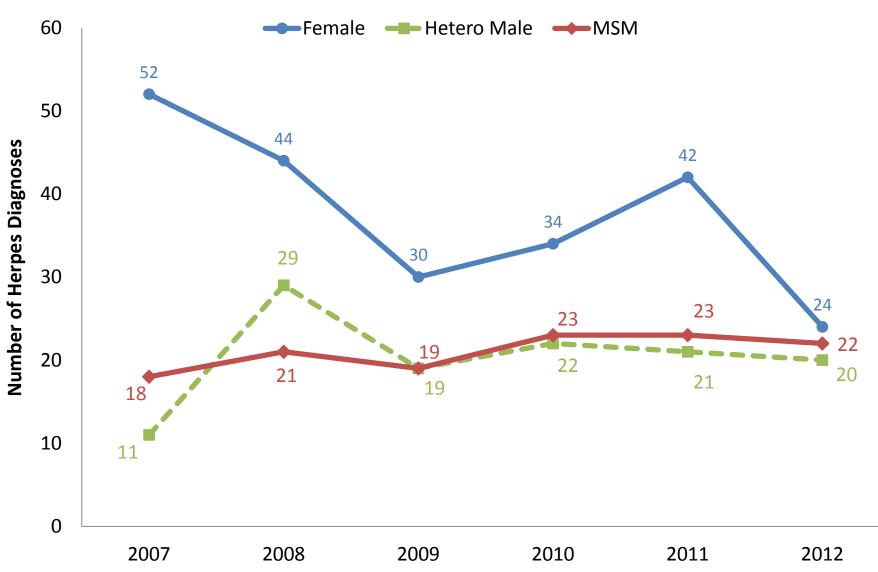


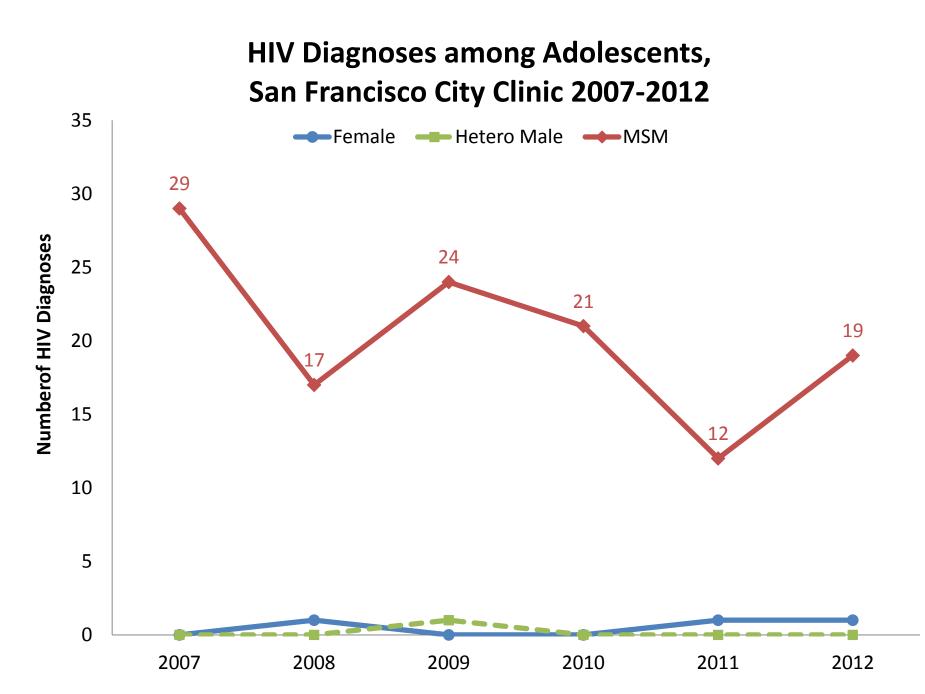
Early Syphilis Diagnoses among Adolescents, San Francisco City Clinic 2007-2012

----Female -----Hetero Male -----MSM



Genital Herpes Diagnoses among Adolescents, San Francisco City Clinic 2007-2012





For questions or comments

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Note on totals for previous years

Numbers in this document listed for past years may not match totals in previous reports. Totals may increase due to late reports, and may decrease when duplicate reports are eliminated or cases are subsequently identified as out of our jurisdiction.