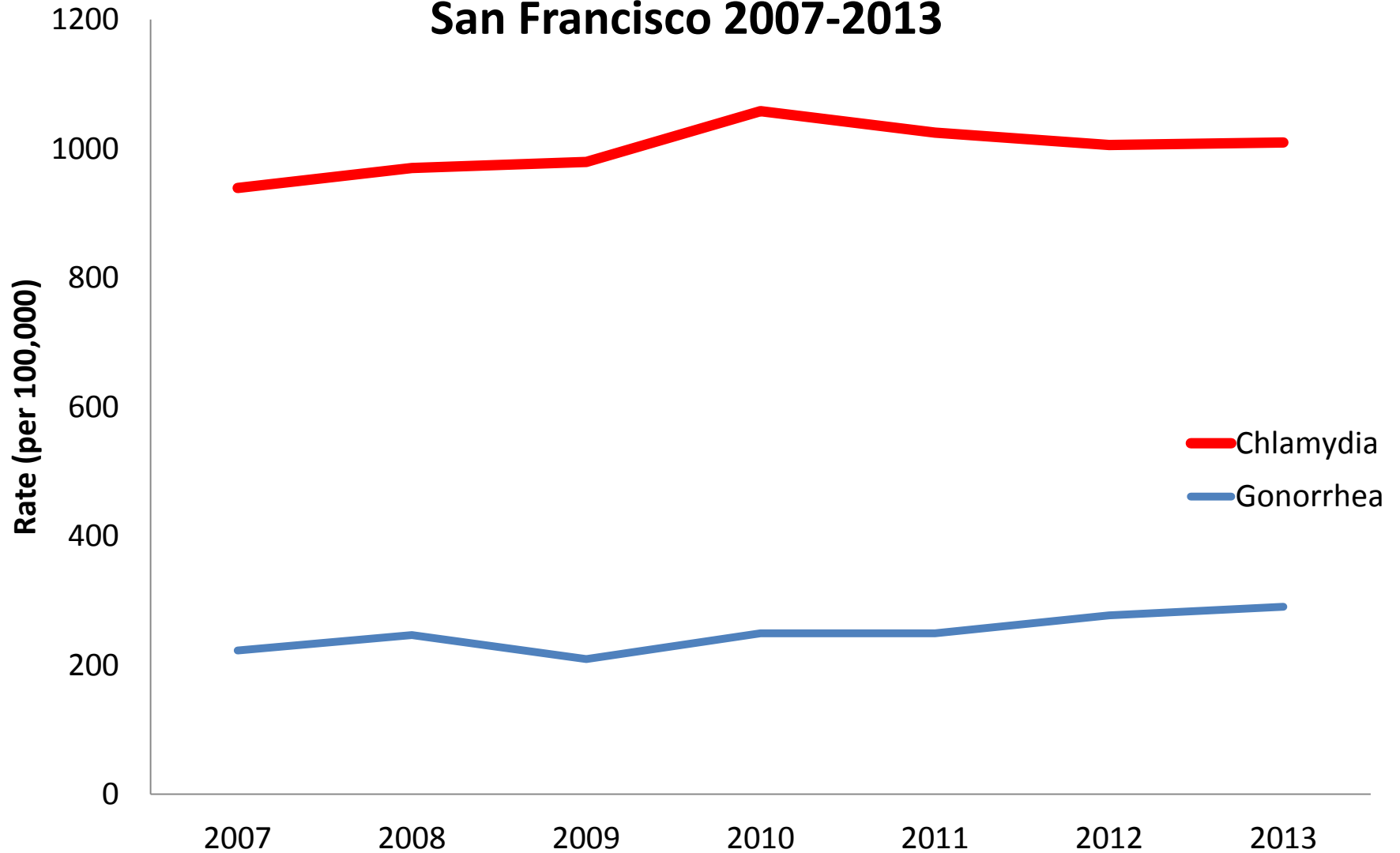


STDs among Adolescents

San Francisco
2007—2013

Applied Research, Community Health
Epidemiology, and Surveillance Branch
Population Health Division
San Francisco Department of Public Health

STD Rates among Adolescents and Young Adults (ages 25 and under) San Francisco 2007-2013



2013 STD Morbidity Rates

Adolescents vs Adults

Per 100,000 Population	Adolescents* (≤ 25 years)	Adults
Gonorrhea	290	320
Chlamydia	1009	504

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

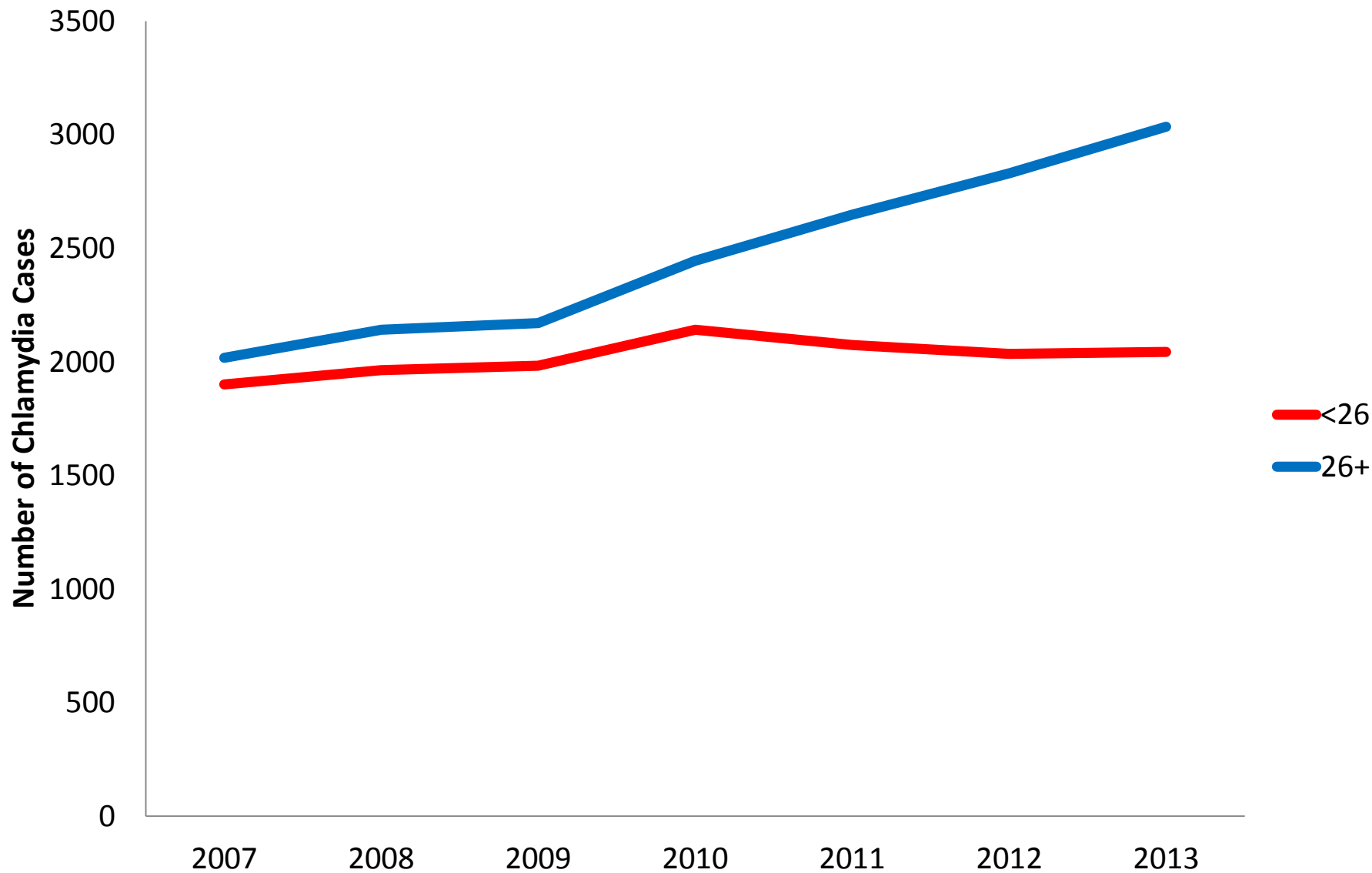
2013 STDs

Risk of Infection

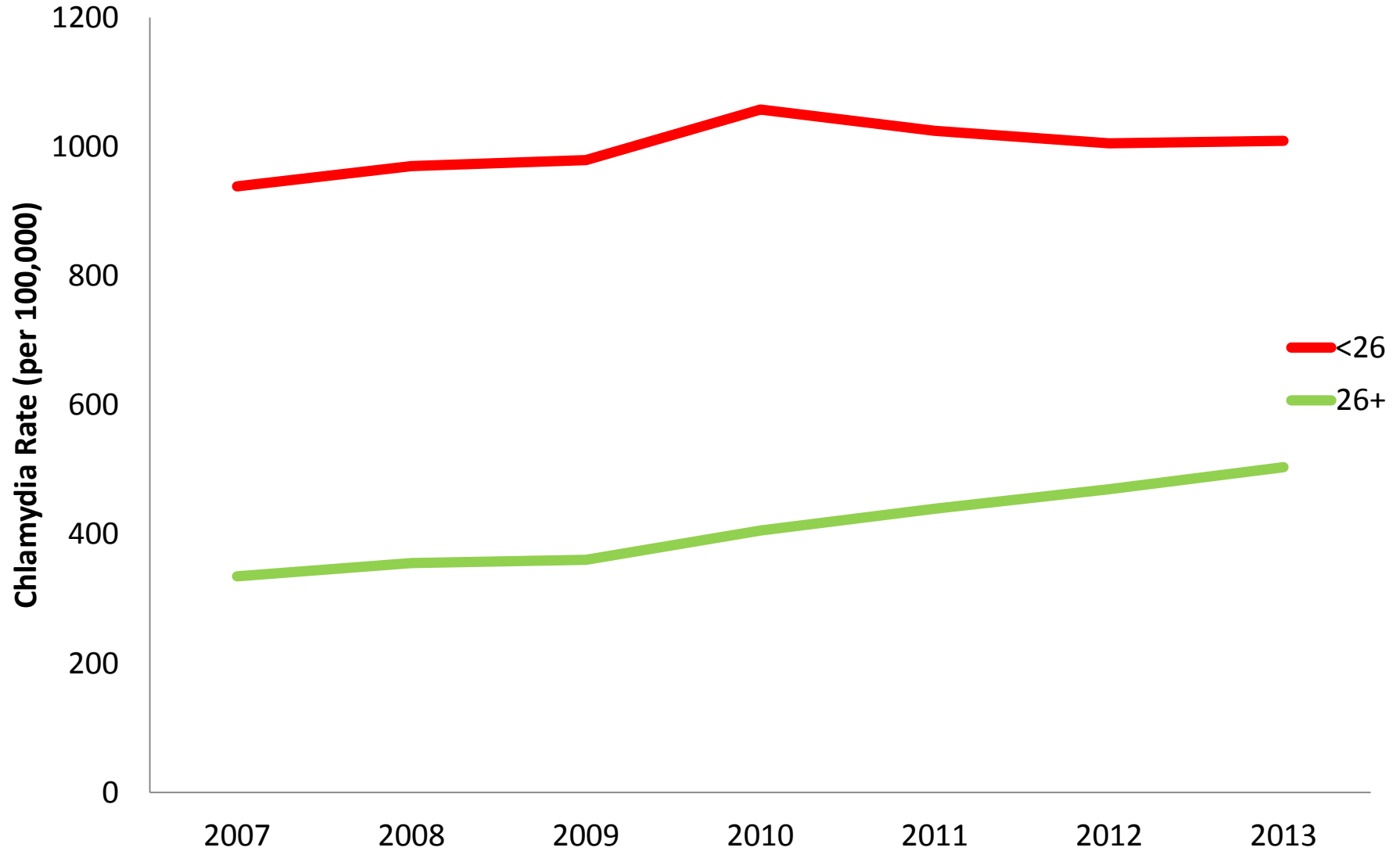
	Adolescents (\leq 25 years)	Adults
Gonorrhea	1 out of 290	1 out of 320
Chlamydia	1 out of 99	1 out of 199

Chlamydia

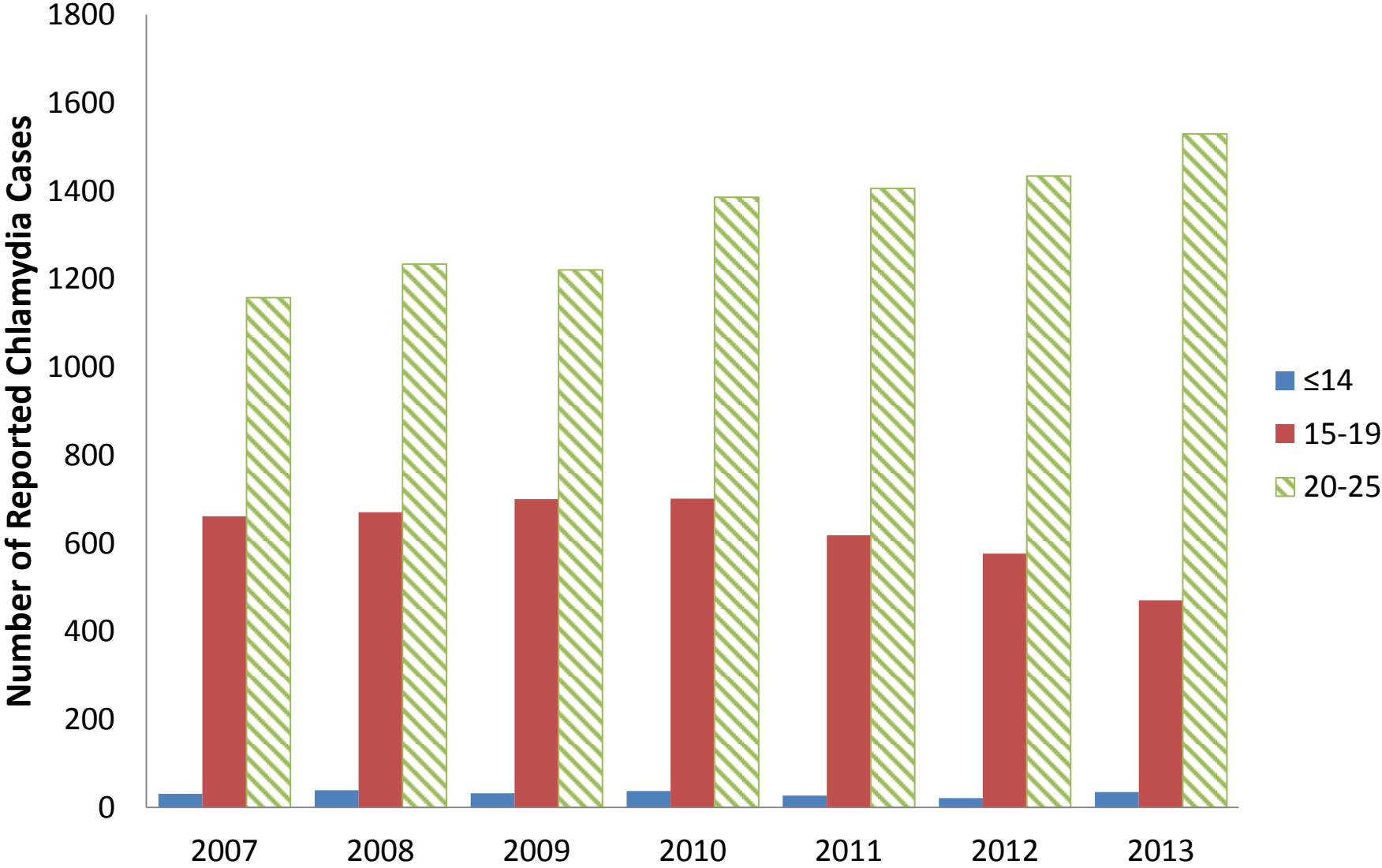
Reported Chlamydia by Age, San Francisco 2007-2013



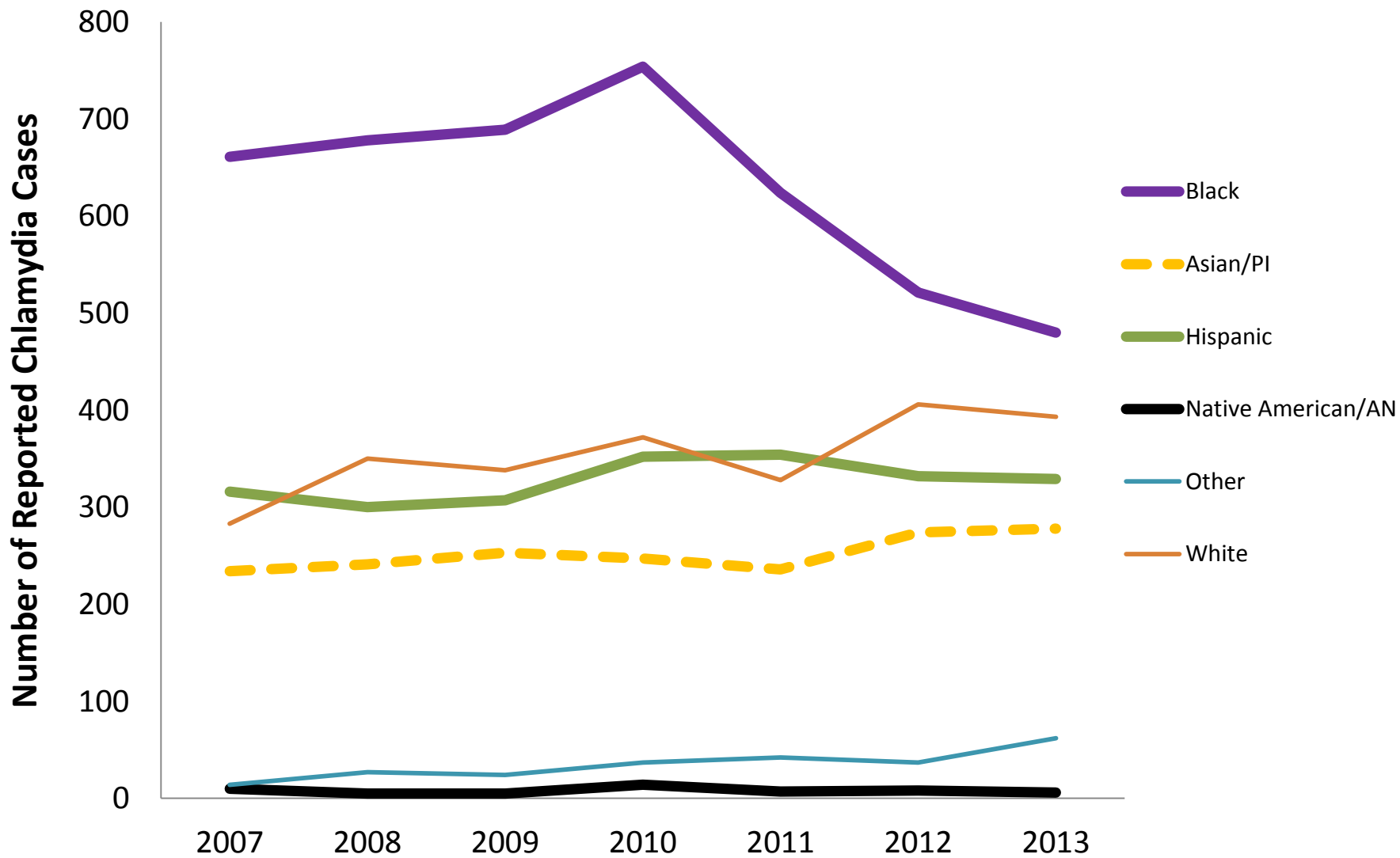
Chlamydia Rates (per 100,000 population), San Francisco 2007-2013



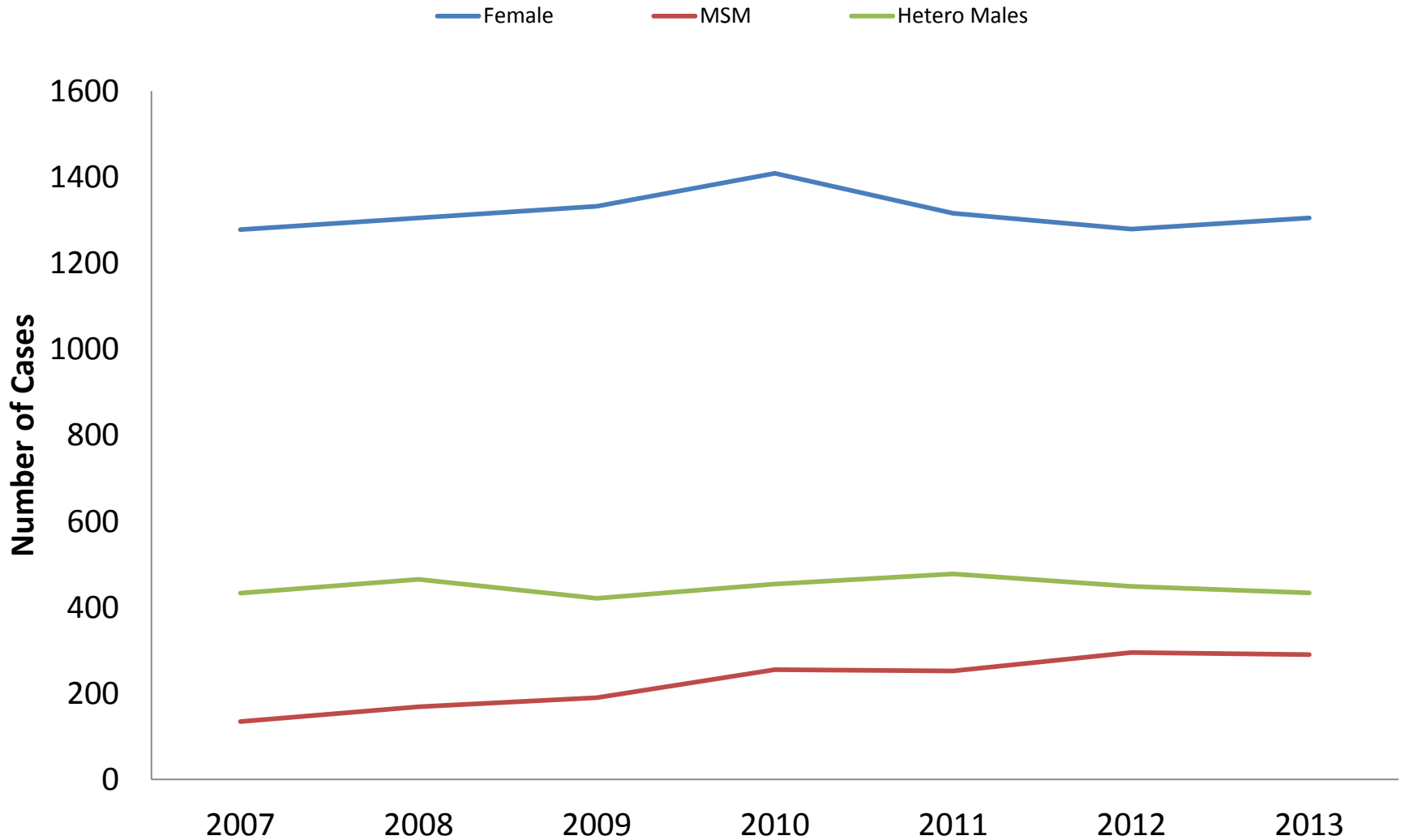
Reported Adolescent Chlamydia by Age, San Francisco 2007-2013



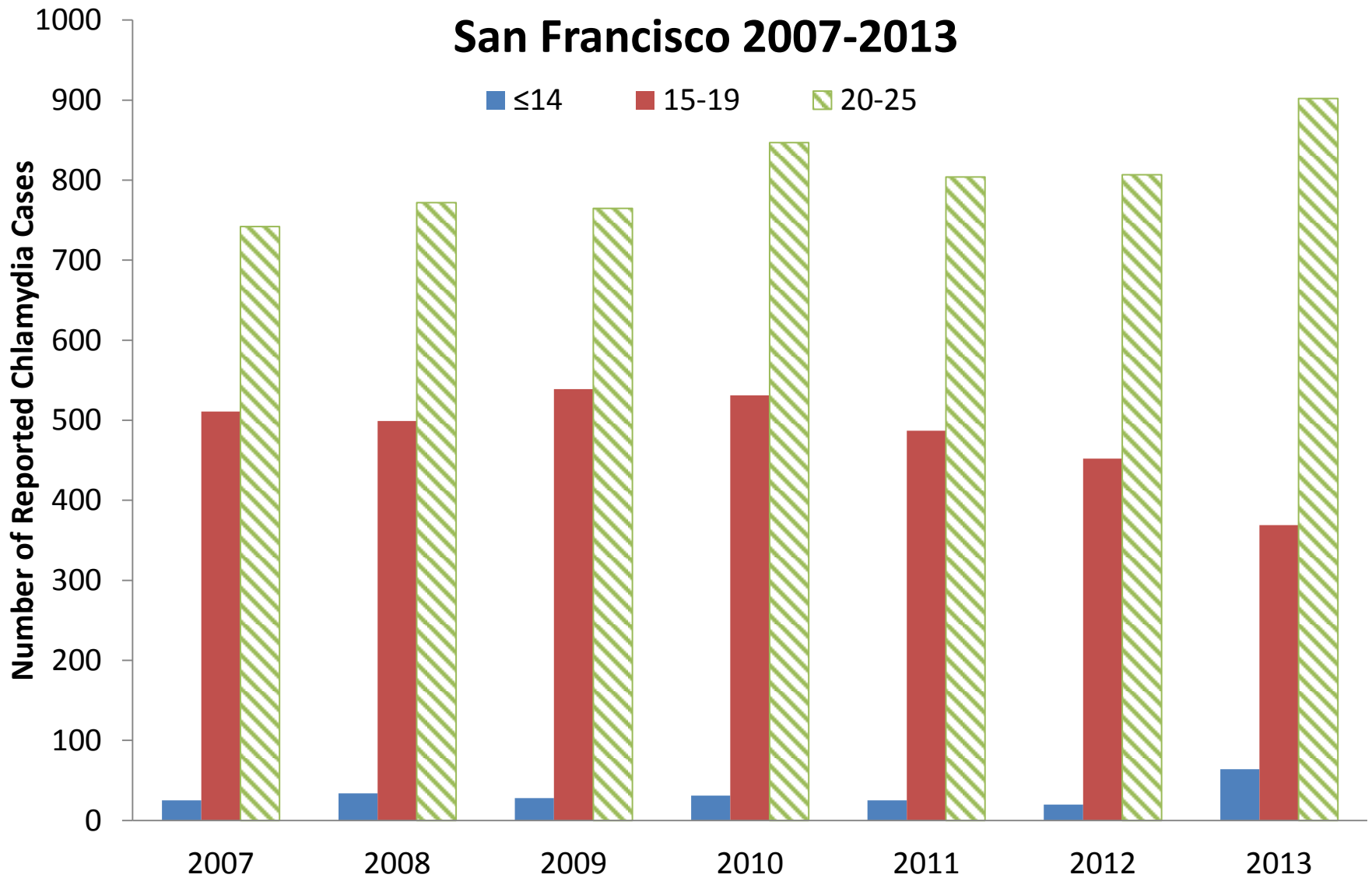
Reported Adolescent Chlamydia by Race/Ethnicity, San Francisco 2007-2013



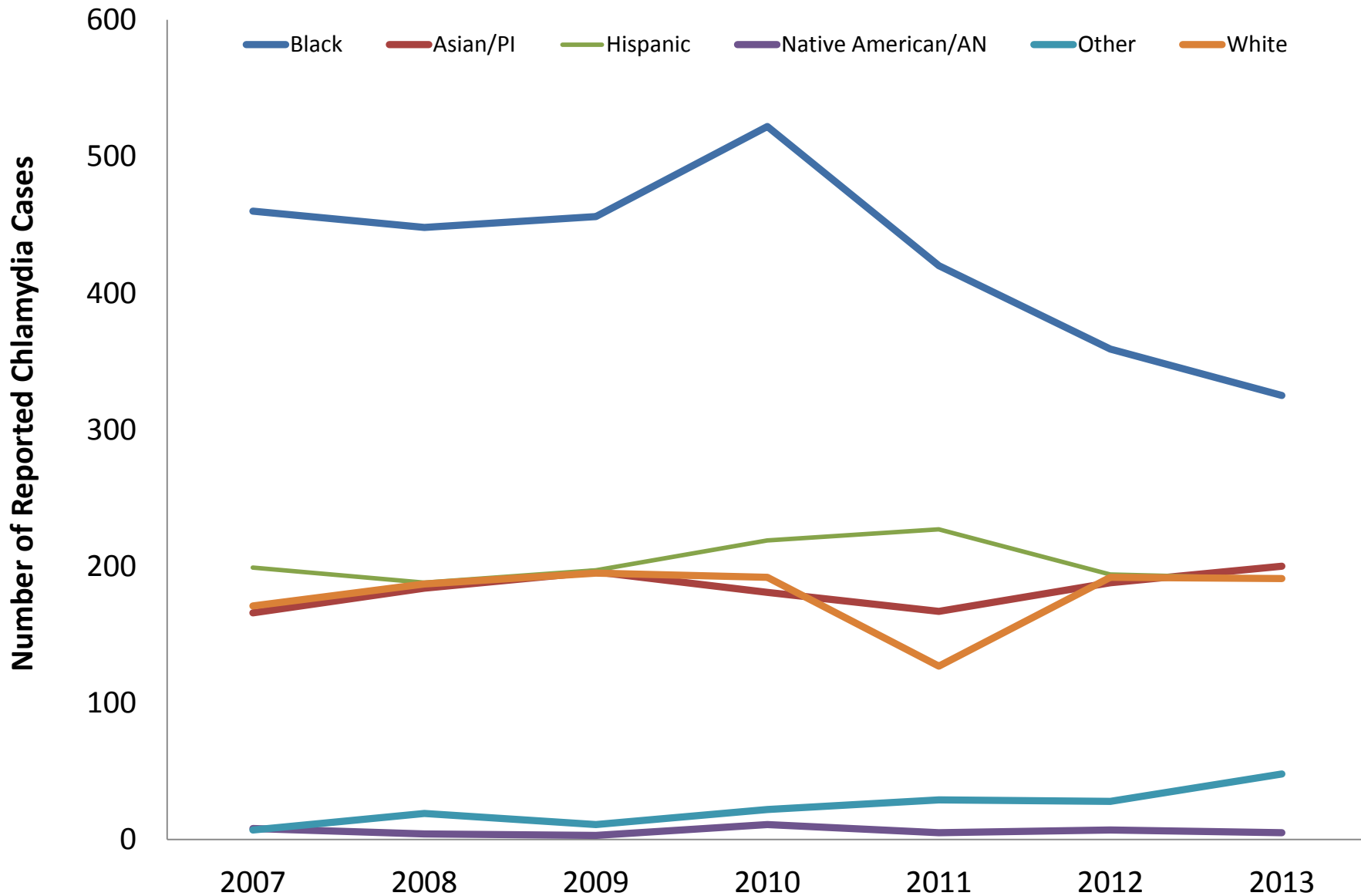
Reported Adolescent Chlamydia by Sexual Orientation, San Francisco 2007-2013



Reported Female Adolescent (≤ 25 years) Chlamydia by Age, San Francisco 2007-2013



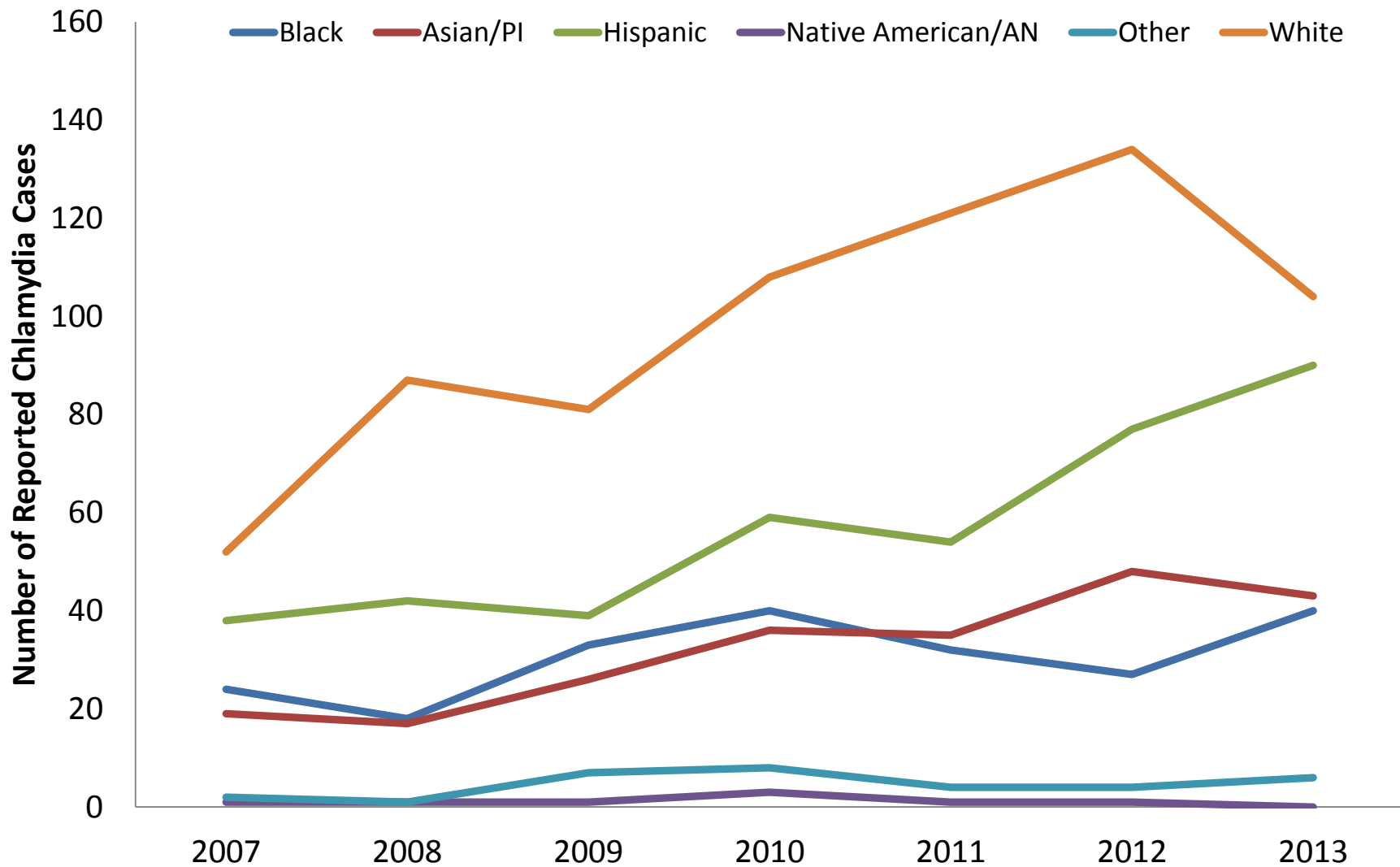
Reported Female Adolescent (≤ 25 years) Chlamydia by Race/Ethnicity, San Francisco 2007-2013



Reported MSM Adolescent (≤ 25 years) Chlamydia by Age, San Francisco 2007-2013



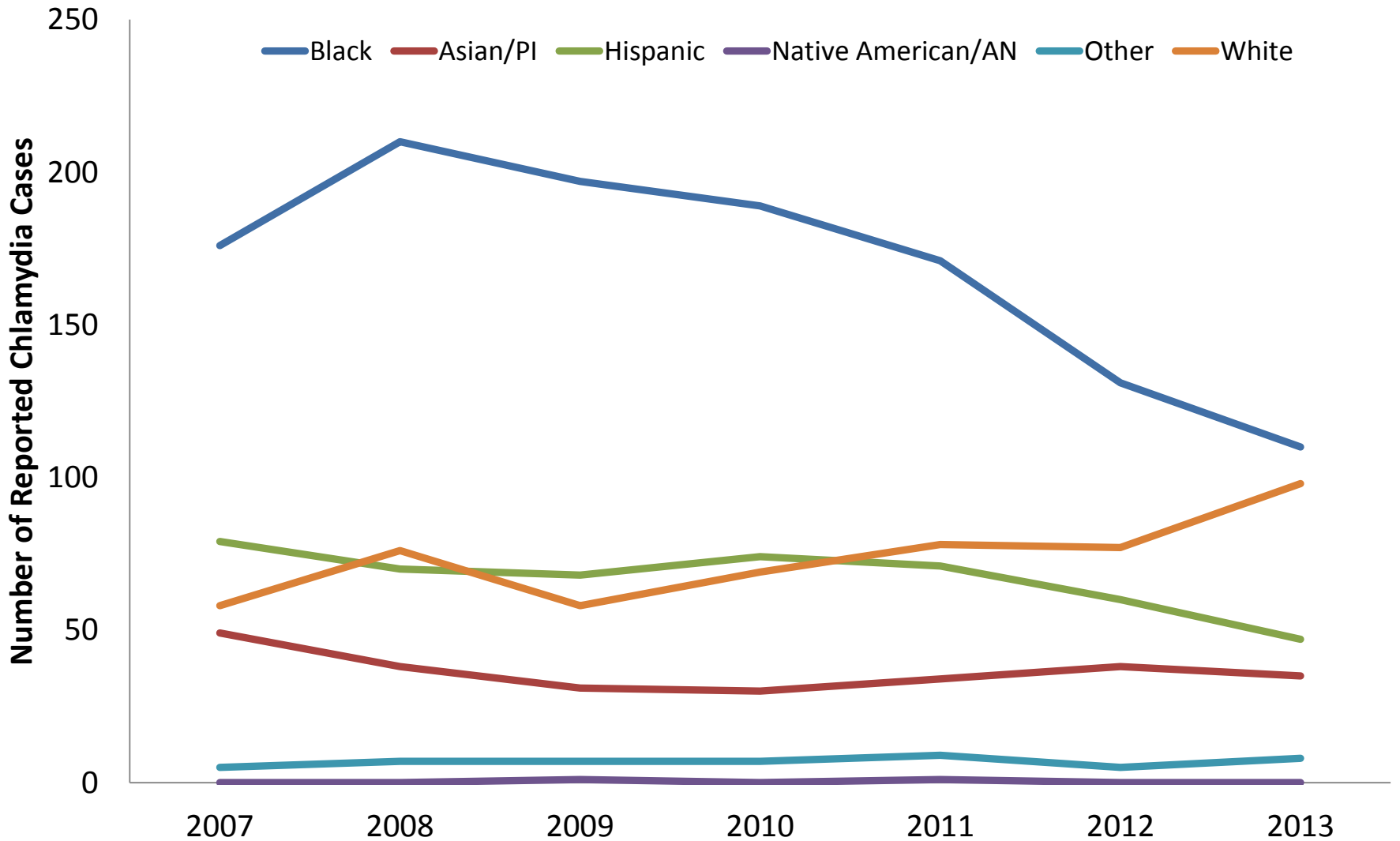
Reported MSM Adolescent (≤ 25 years) Chlamydia by Race/Ethnicity, San Francisco 2007-2013



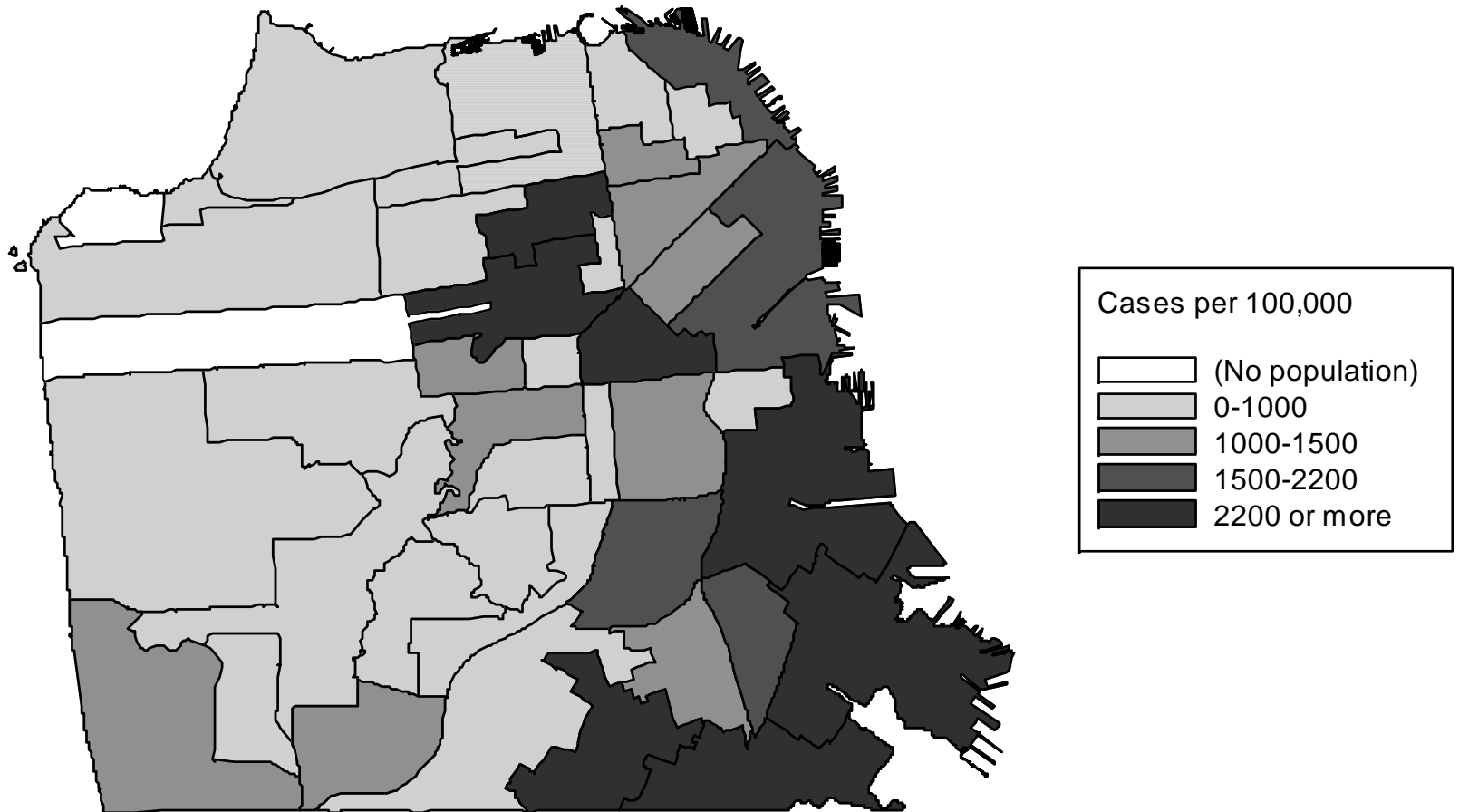
Reported MSW Adolescent (≤ 25 years) Chlamydia by Age, San Francisco 2007-2013



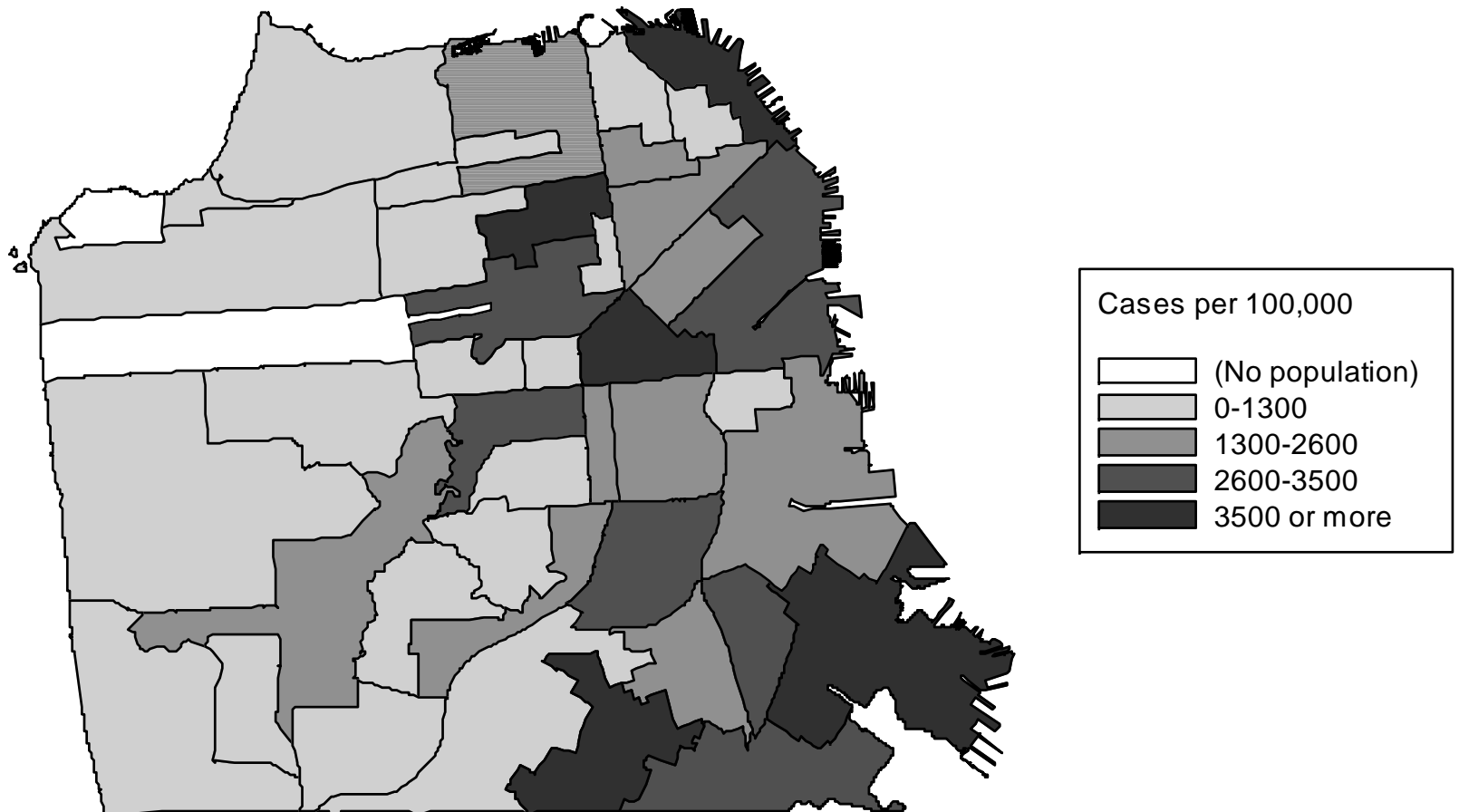
Reported MSW Adolescent (≤ 25 years) Chlamydia by Race/Ethnicity, San Francisco 2007-2013



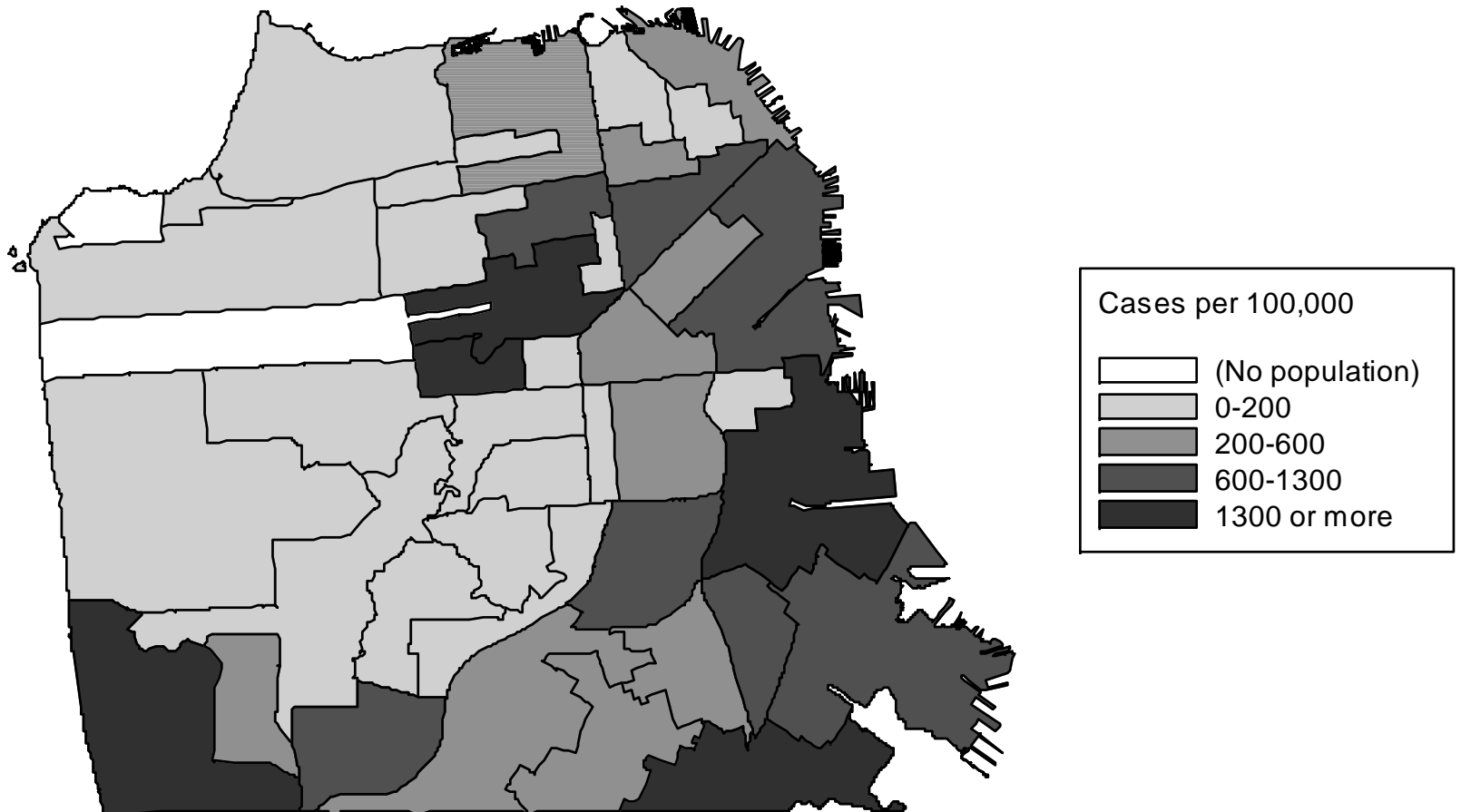
Chlamydia Cases among Adolescents, San Francisco 2013



Chlamydia Cases among Female Adolescents, San Francisco 2013

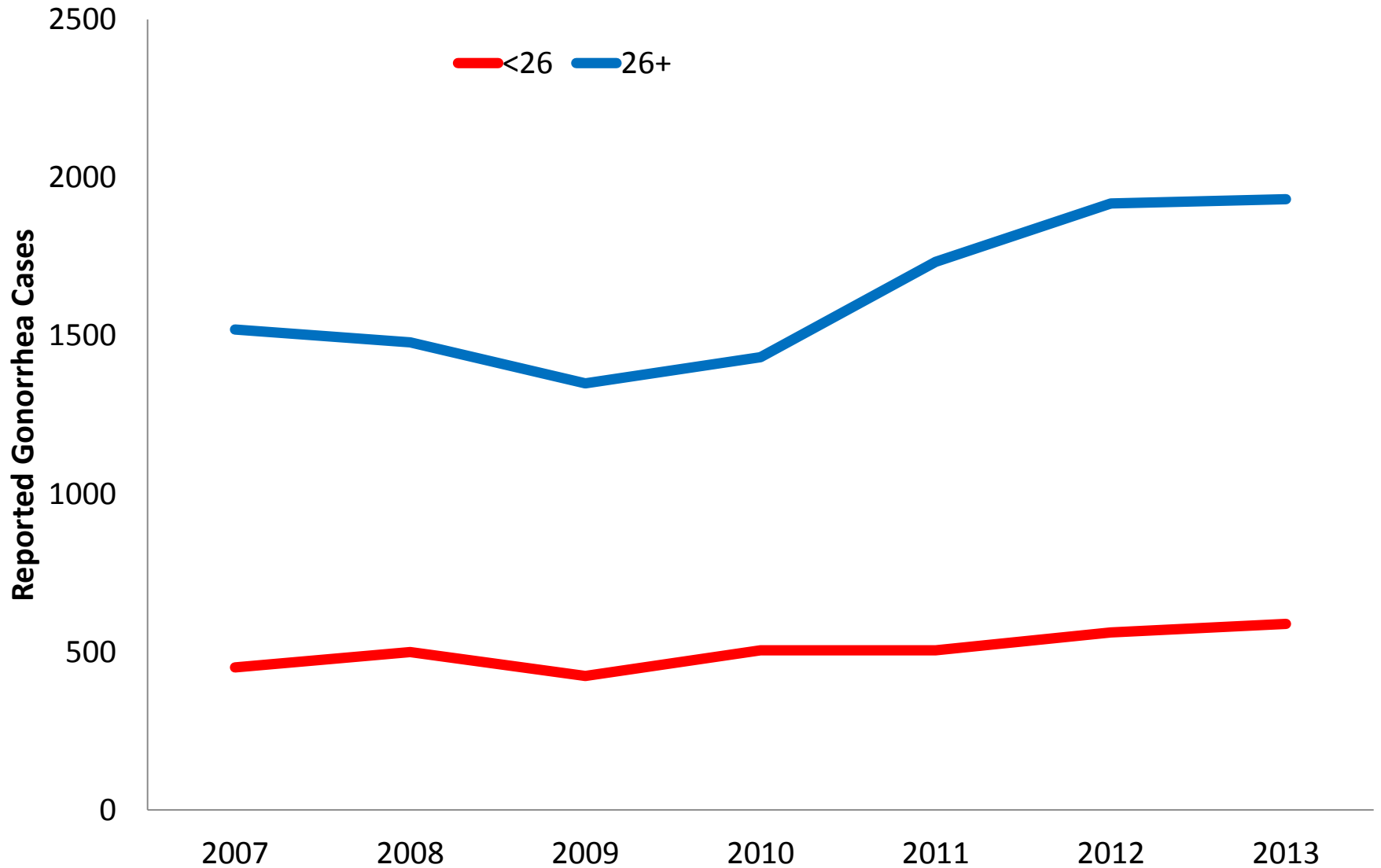


Chlamydia Cases among Male Adolescents, San Francisco 2013

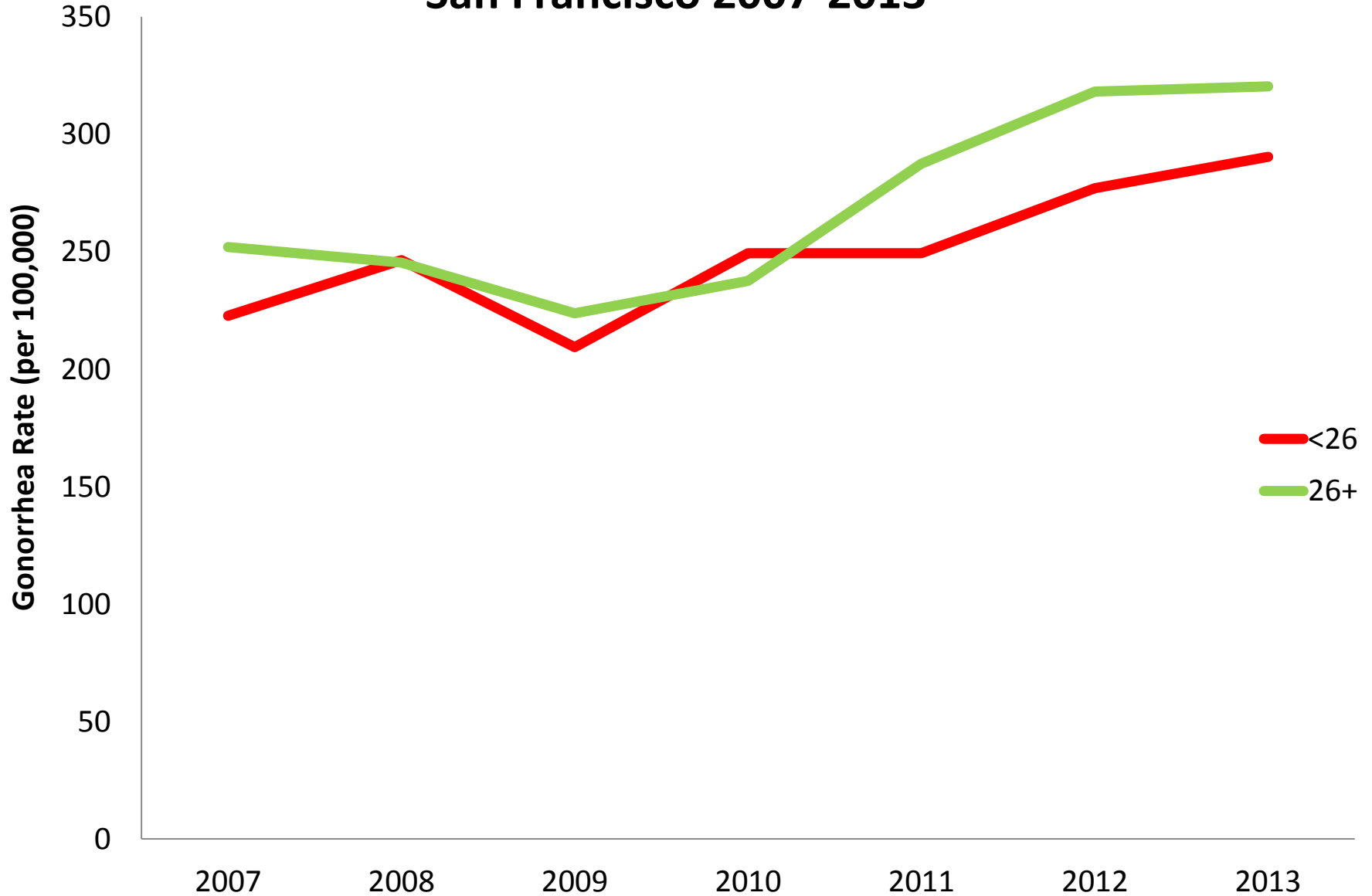


Gonorrhoea

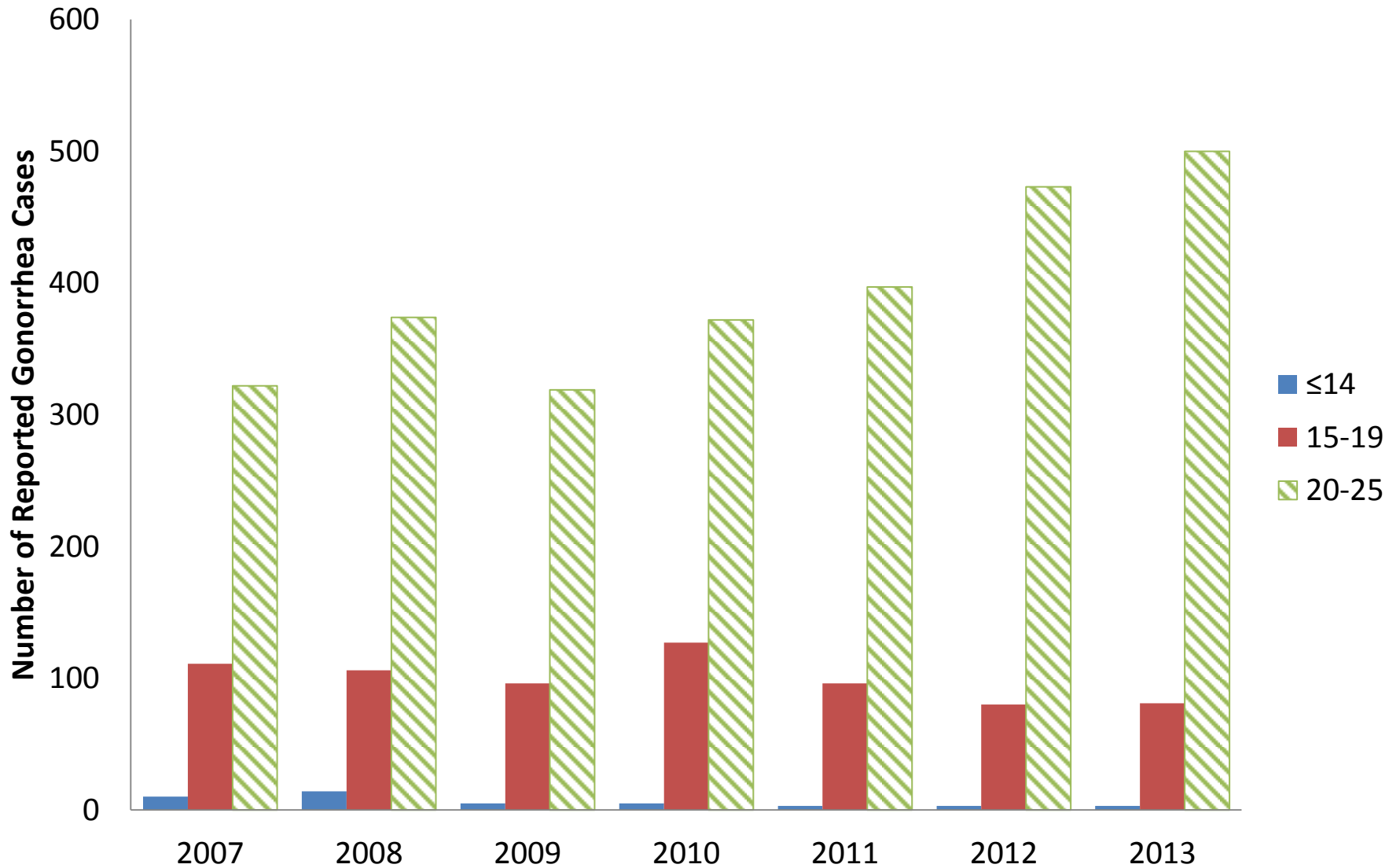
Reported Gonorrhea by Age, San Francisco 2007-2013



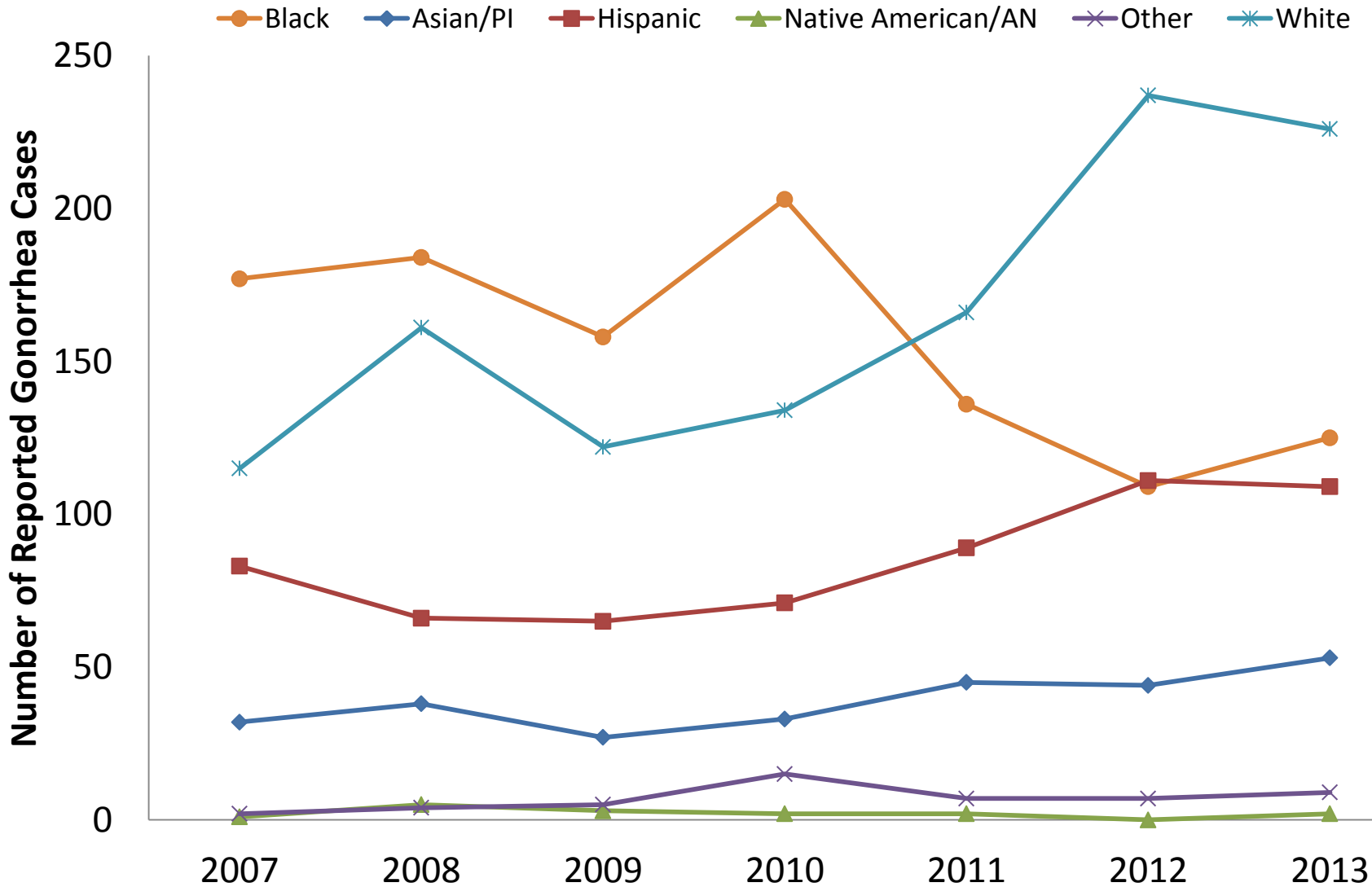
Gonorrhea Rates (per 100,000 population), San Francisco 2007-2013



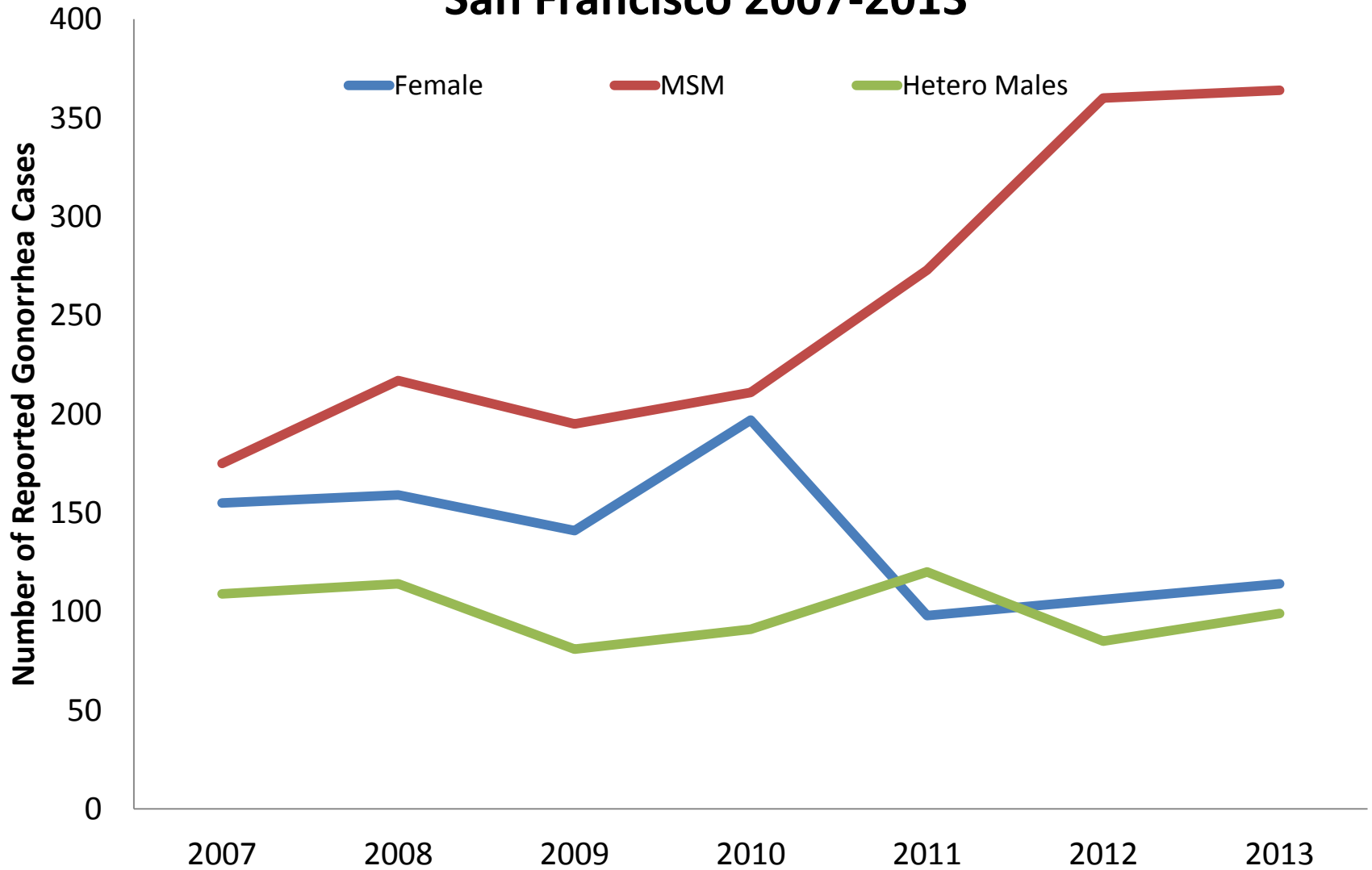
Reported Adolescent Gonorrhea by Age, San Francisco 2007-2013



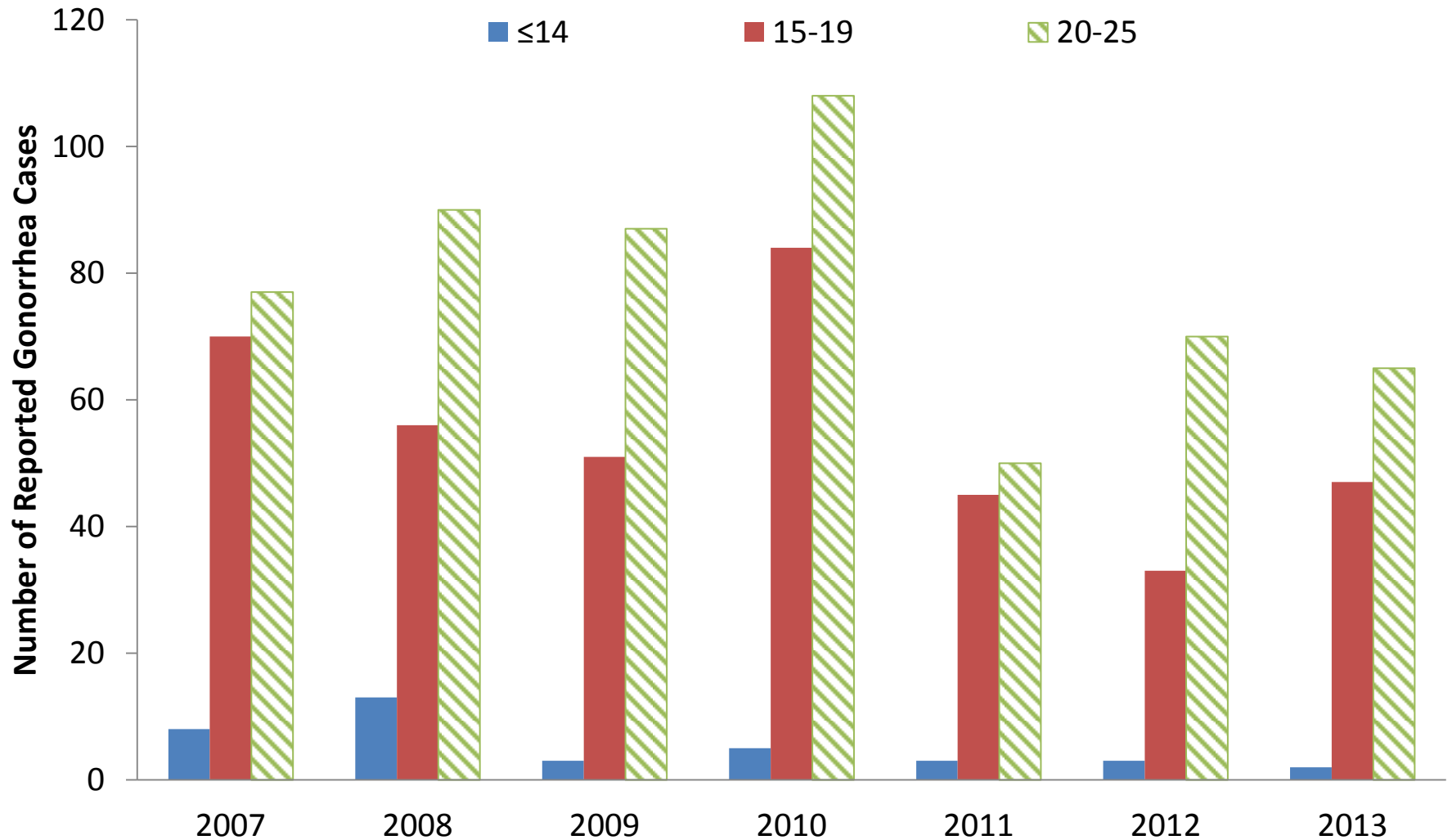
Reported Adolescent Gonorrhea by Race/Ethnicity, San Francisco 2007-2013



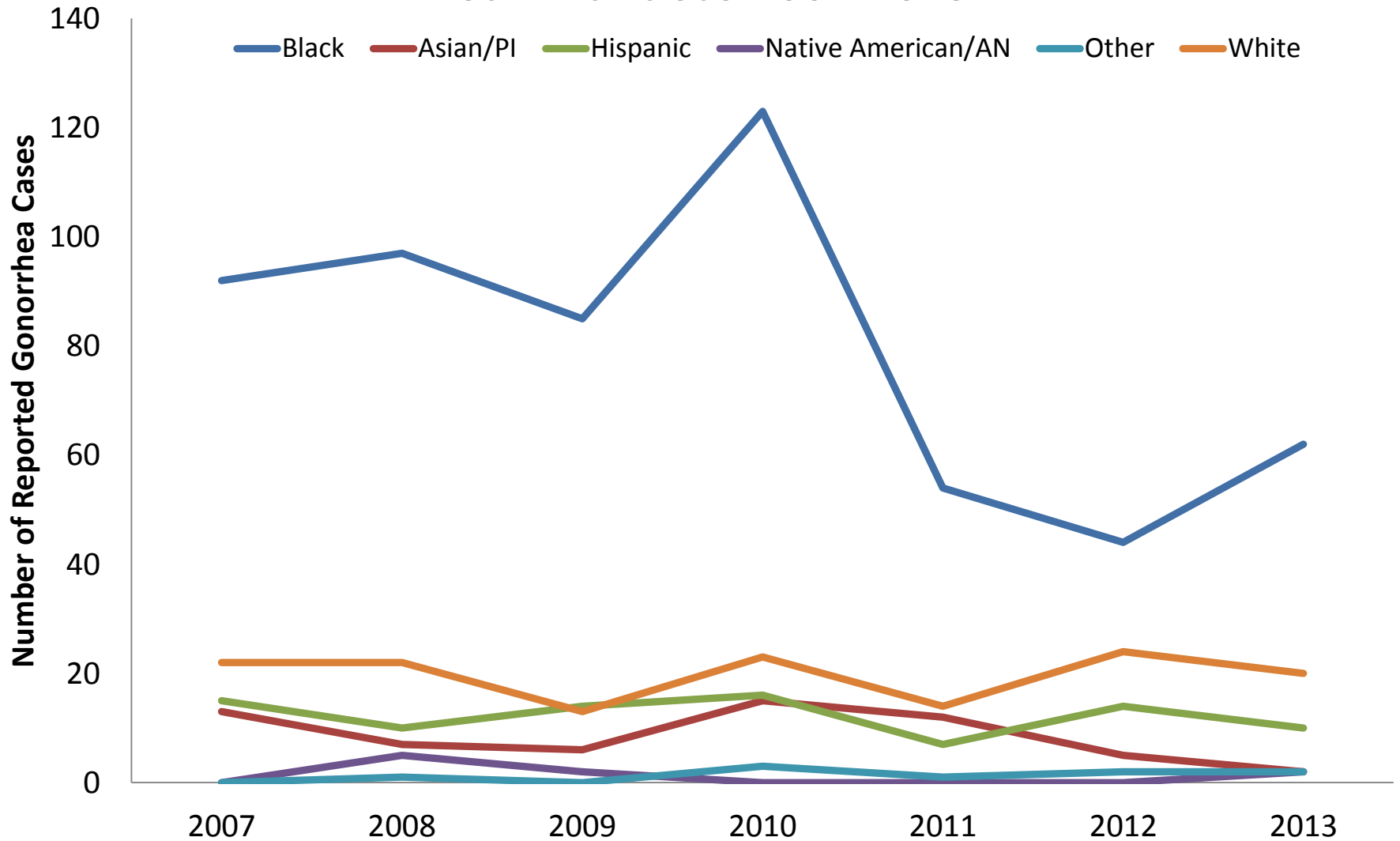
Reported Adolescent Gonorrhea by Sex/Sexual Orientation, San Francisco 2007-2013



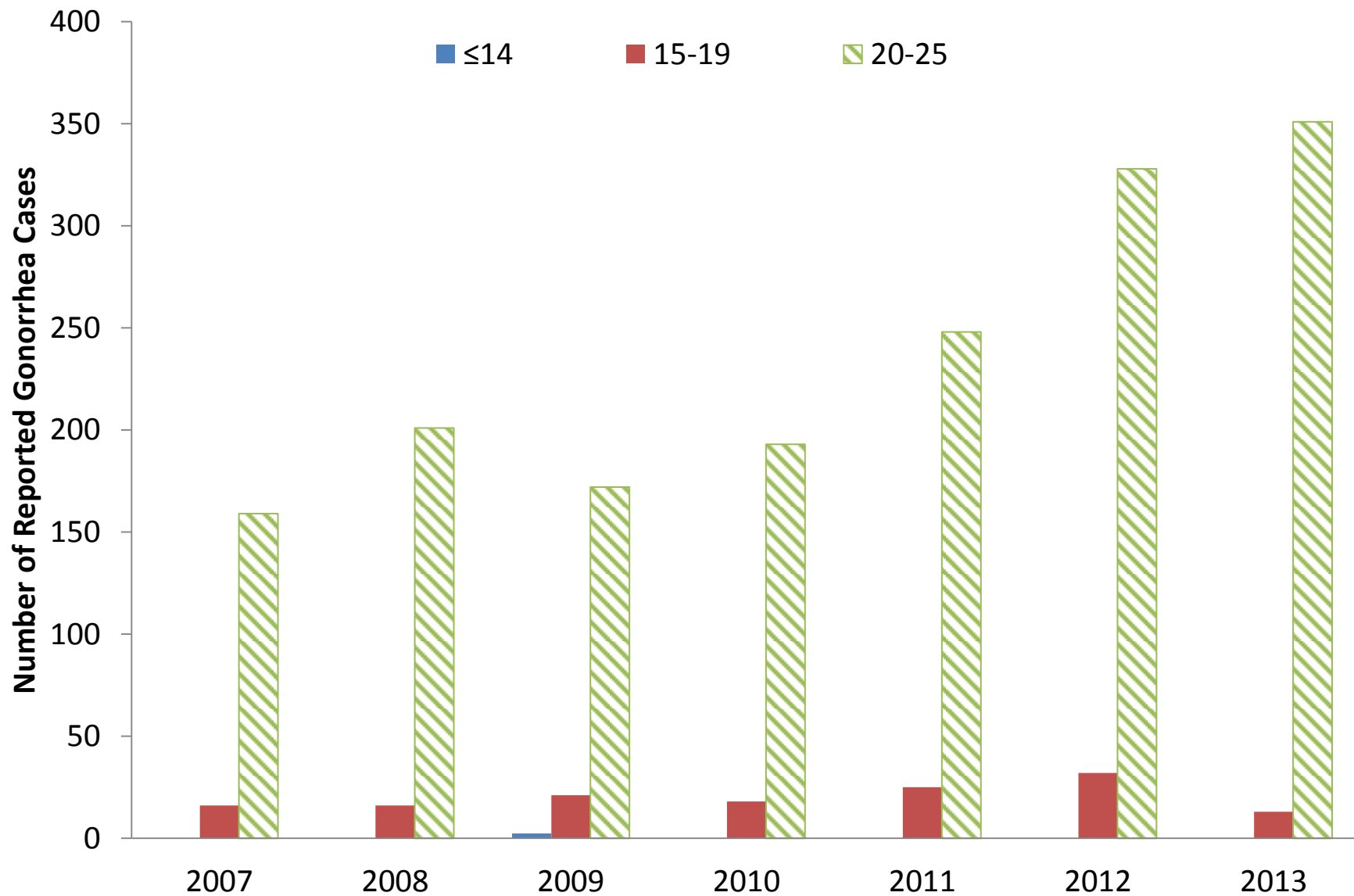
Reported Female Adolescent (≤ 25 years) Gonorrhea by Age, San Francisco 2007-2013



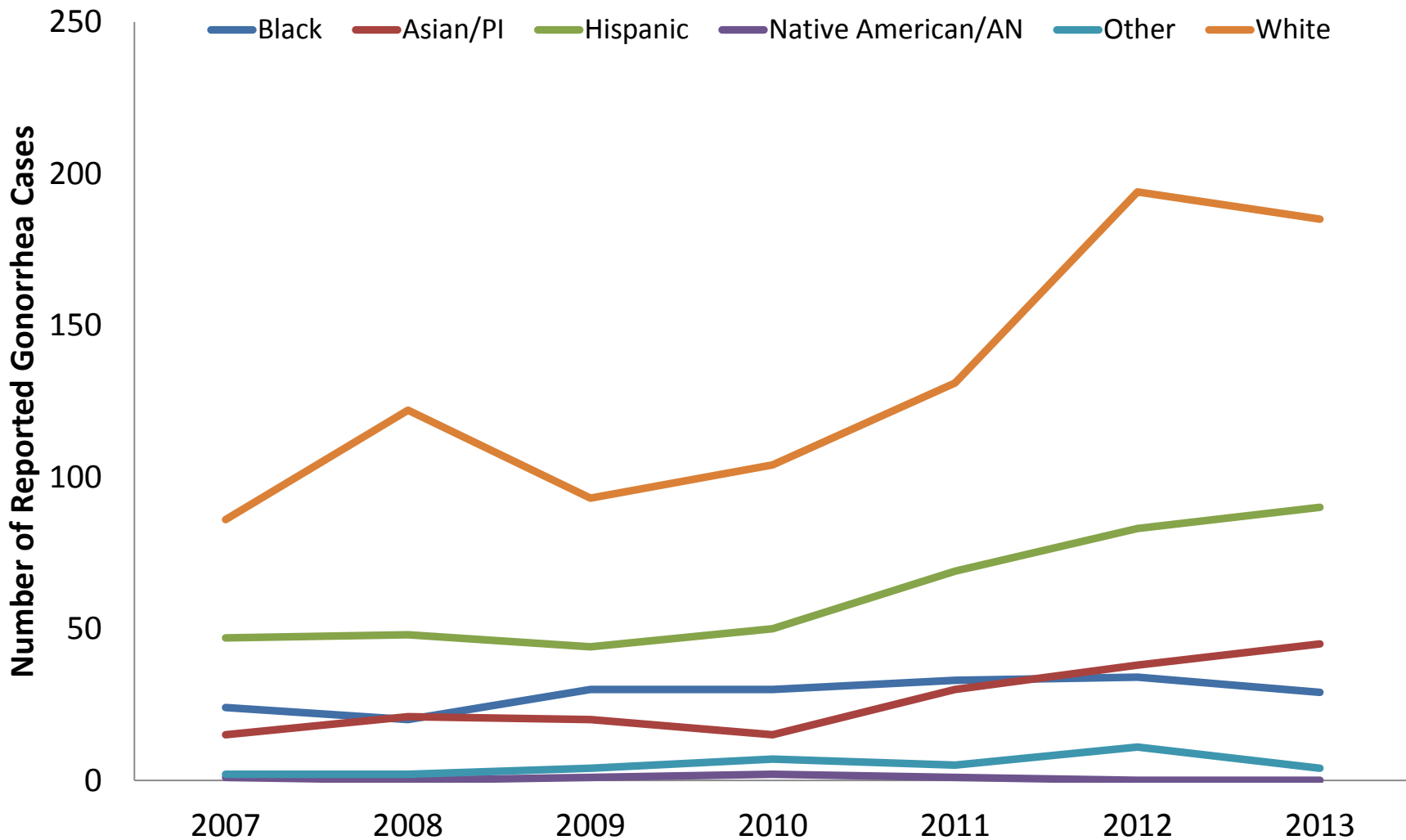
Reported Female Adolescent (≤ 25 years) Gonorrhea by Race/Ethnicity, San Francisco 2007-2013



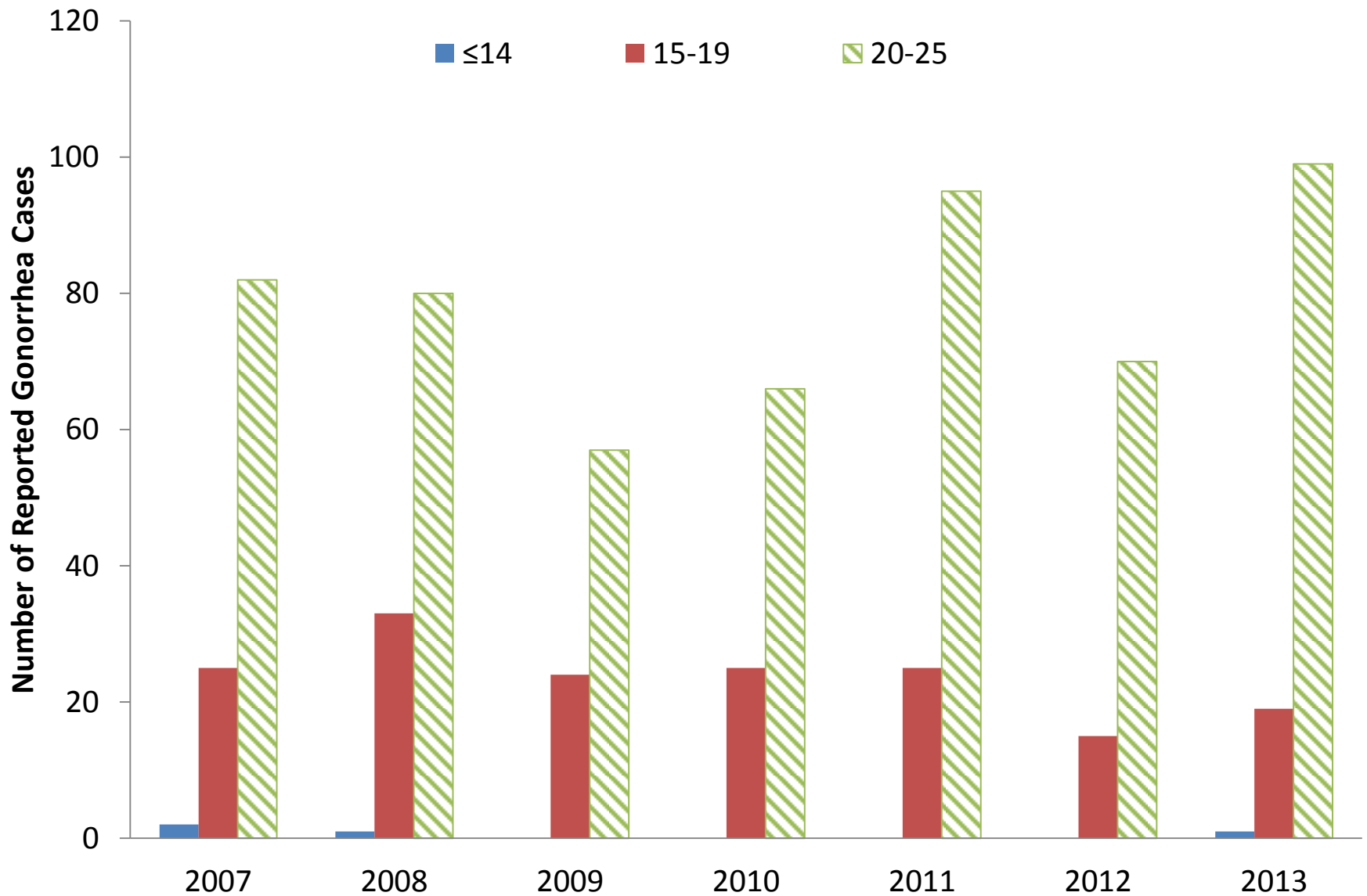
Reported MSM Adolescent (≤ 25 years) Gonorrhea by Age, San Francisco 2007-2013



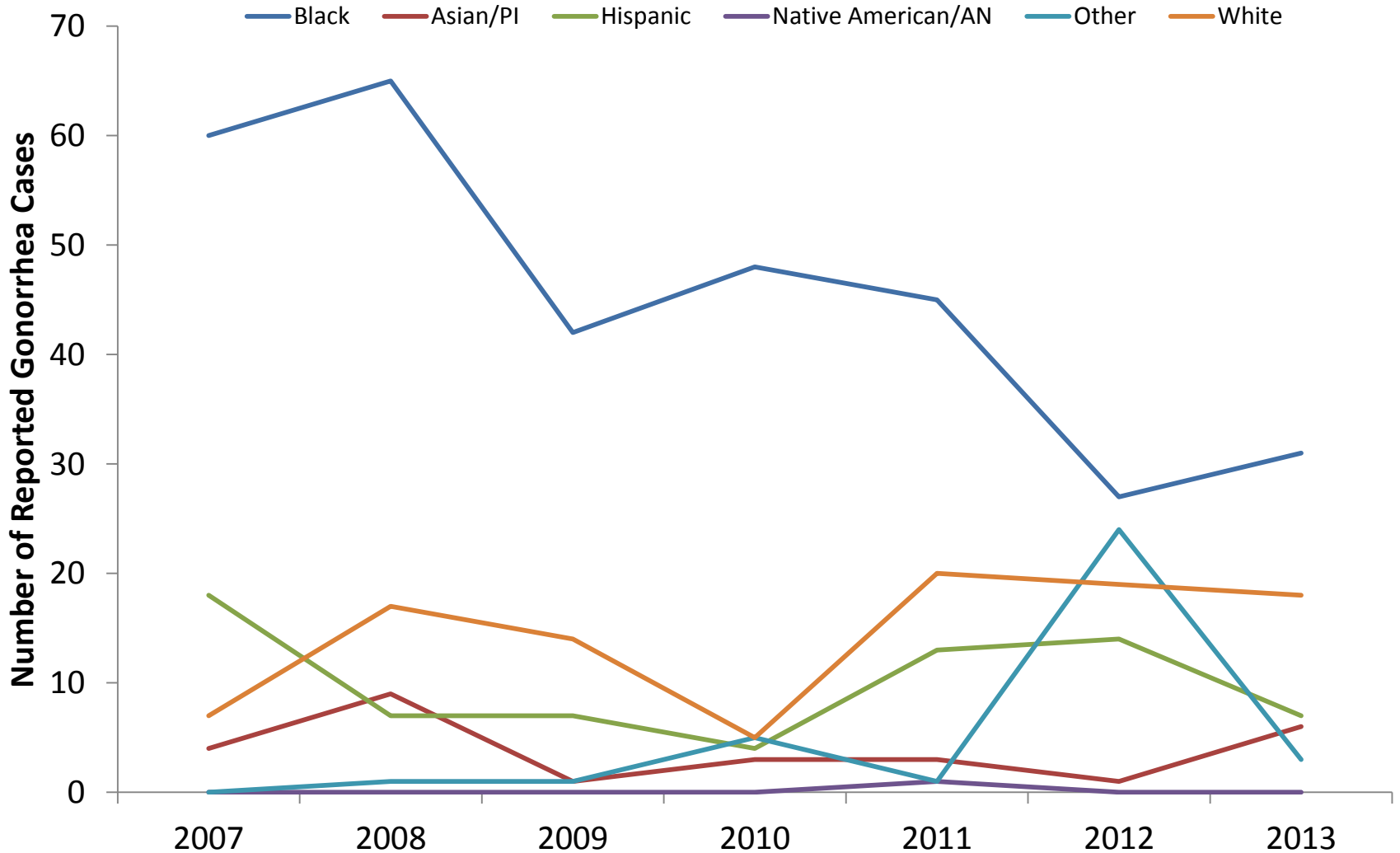
Reported MSM Adolescent (≤ 25 years) Gonorrhea by Race/Ethnicity, San Francisco 2007-2013



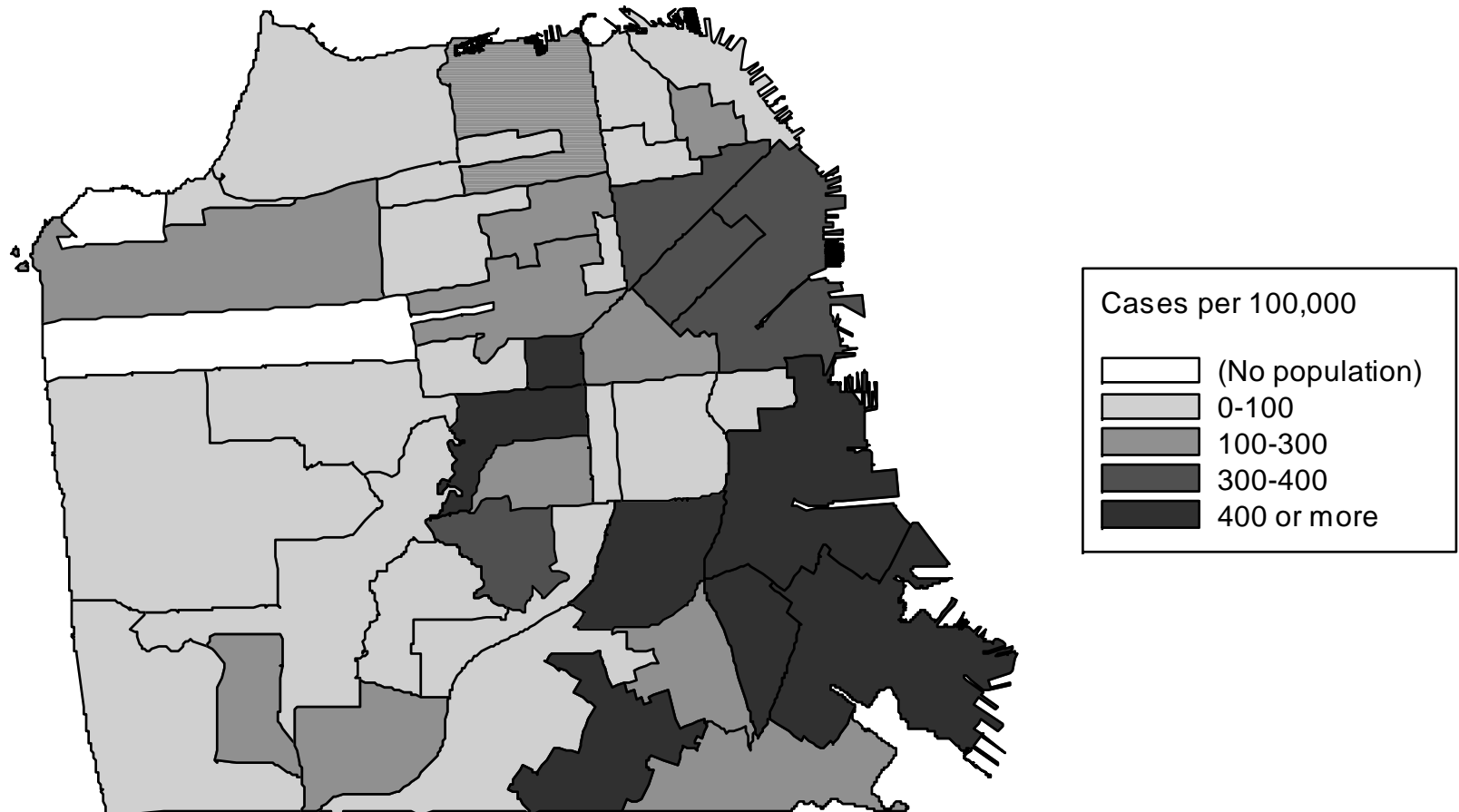
Reported MSW Adolescent (≤ 25 years) Gonorrhea by Age, San Francisco 2007-2013



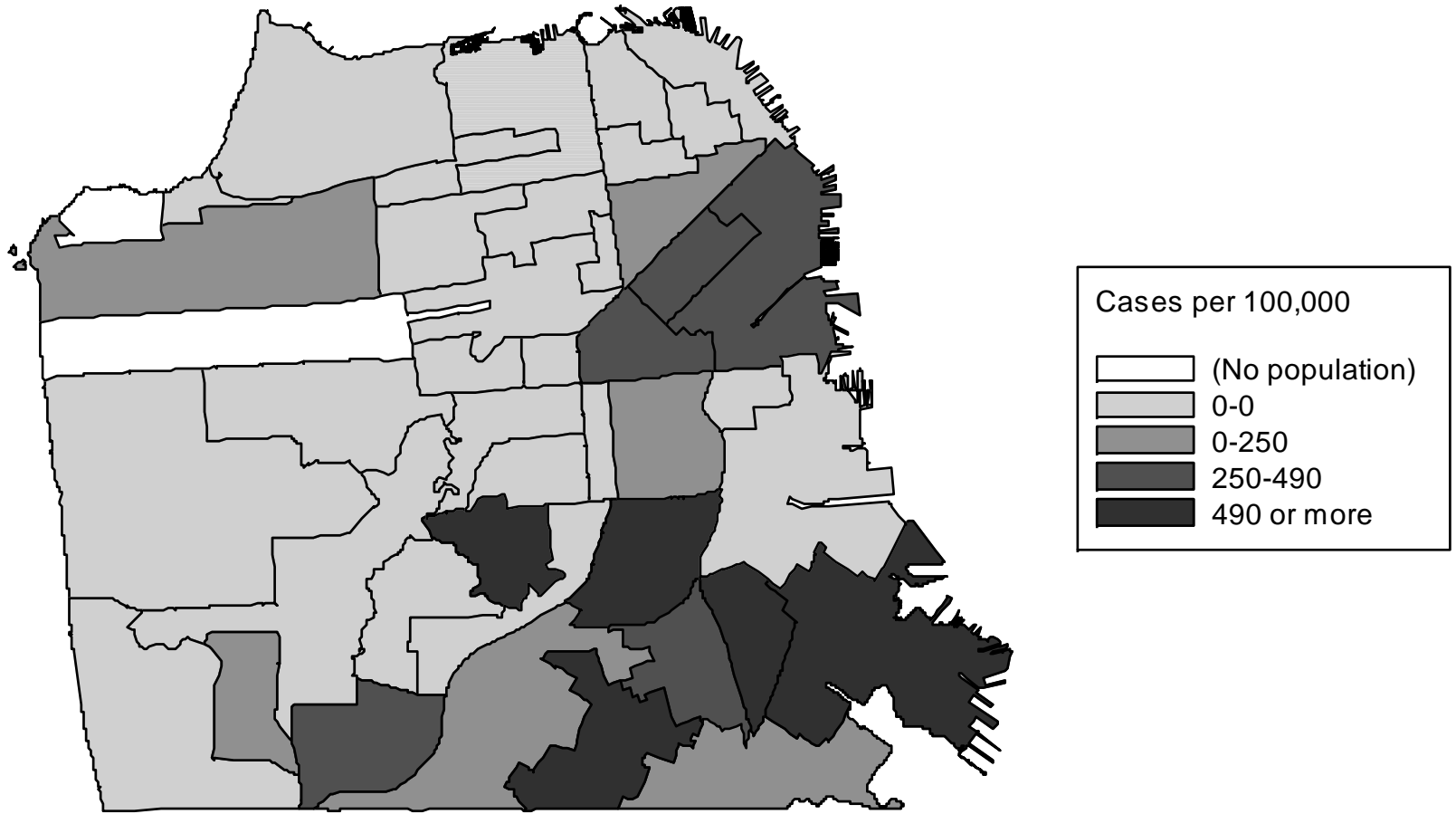
Reported MSW Adolescent (≤ 25 years) Gonorrhea by Race/Ethnicity, San Francisco 2007-2013



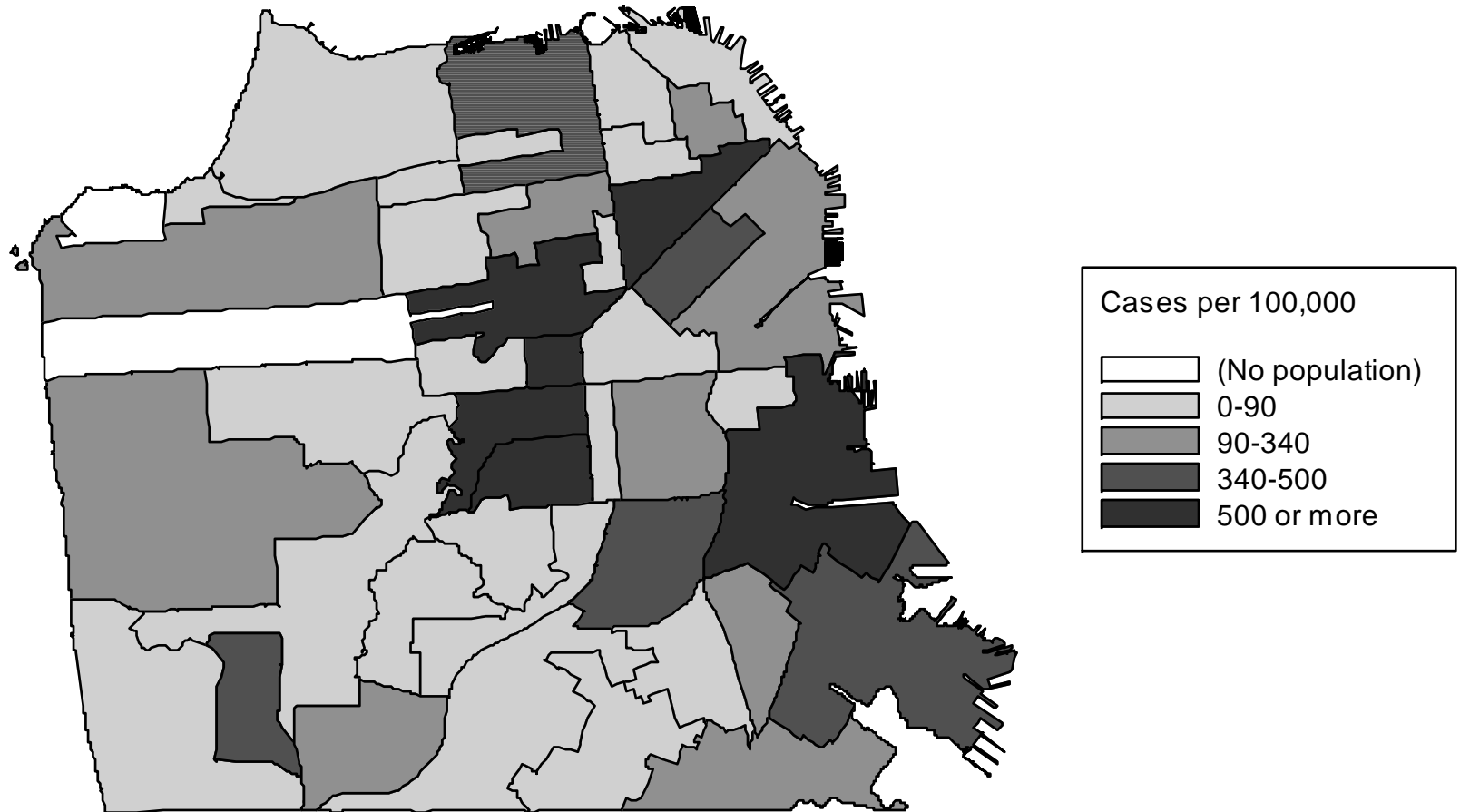
Gonorrhea Cases among Adolescents (≤ 25 years), San Francisco 2013



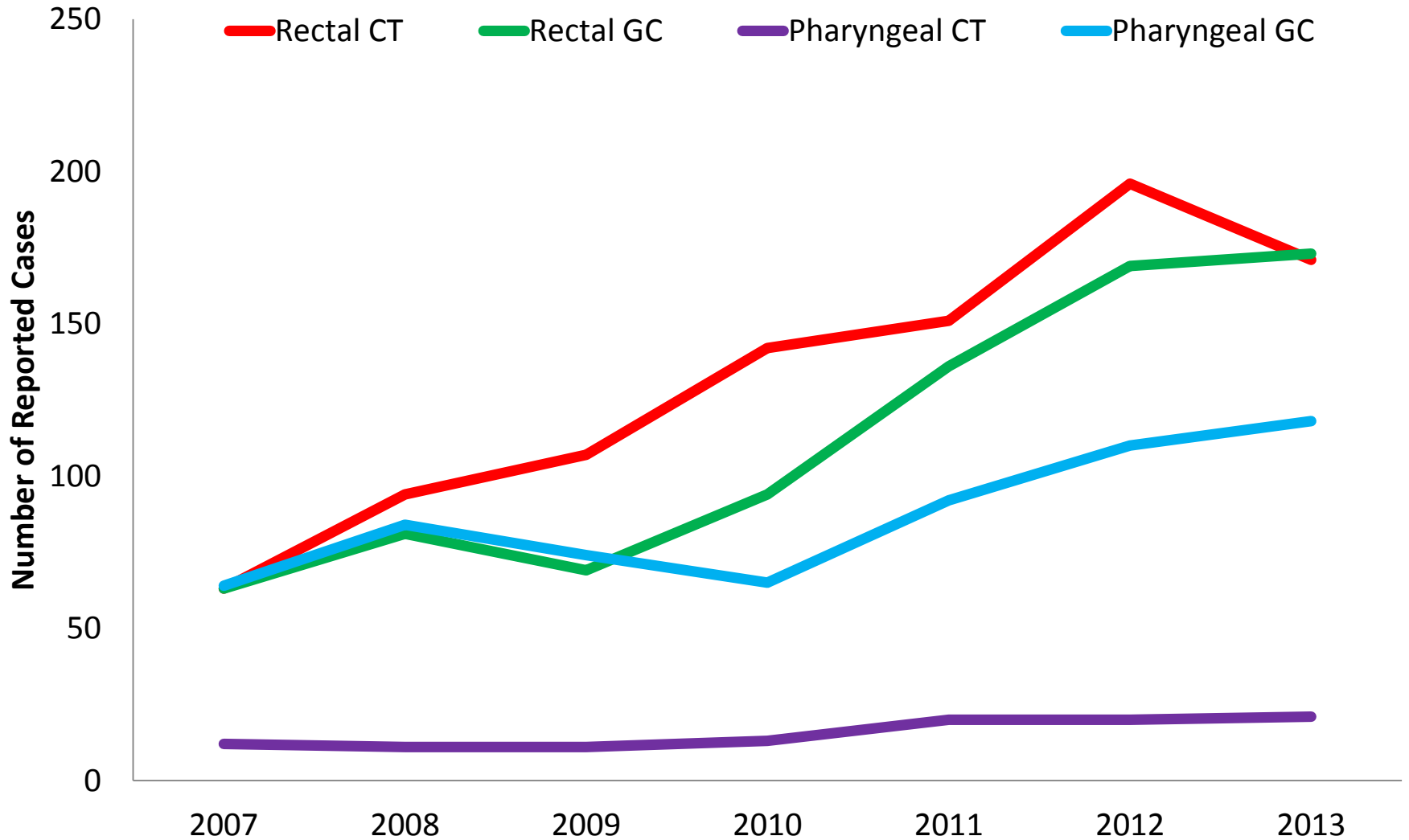
Gonorrhea Cases among Female Adolescents (≤ 25 years), San Francisco 2013



Gonorrhea Cases among Male Adolescents (≤ 25 years), San Francisco 2013



Reported Rectal and Pharyngeal Chlamydia and Gonorrhea among Adolescent MSM, San Francisco 2007-2013



Visits by Adolescents to San Francisco City Clinic

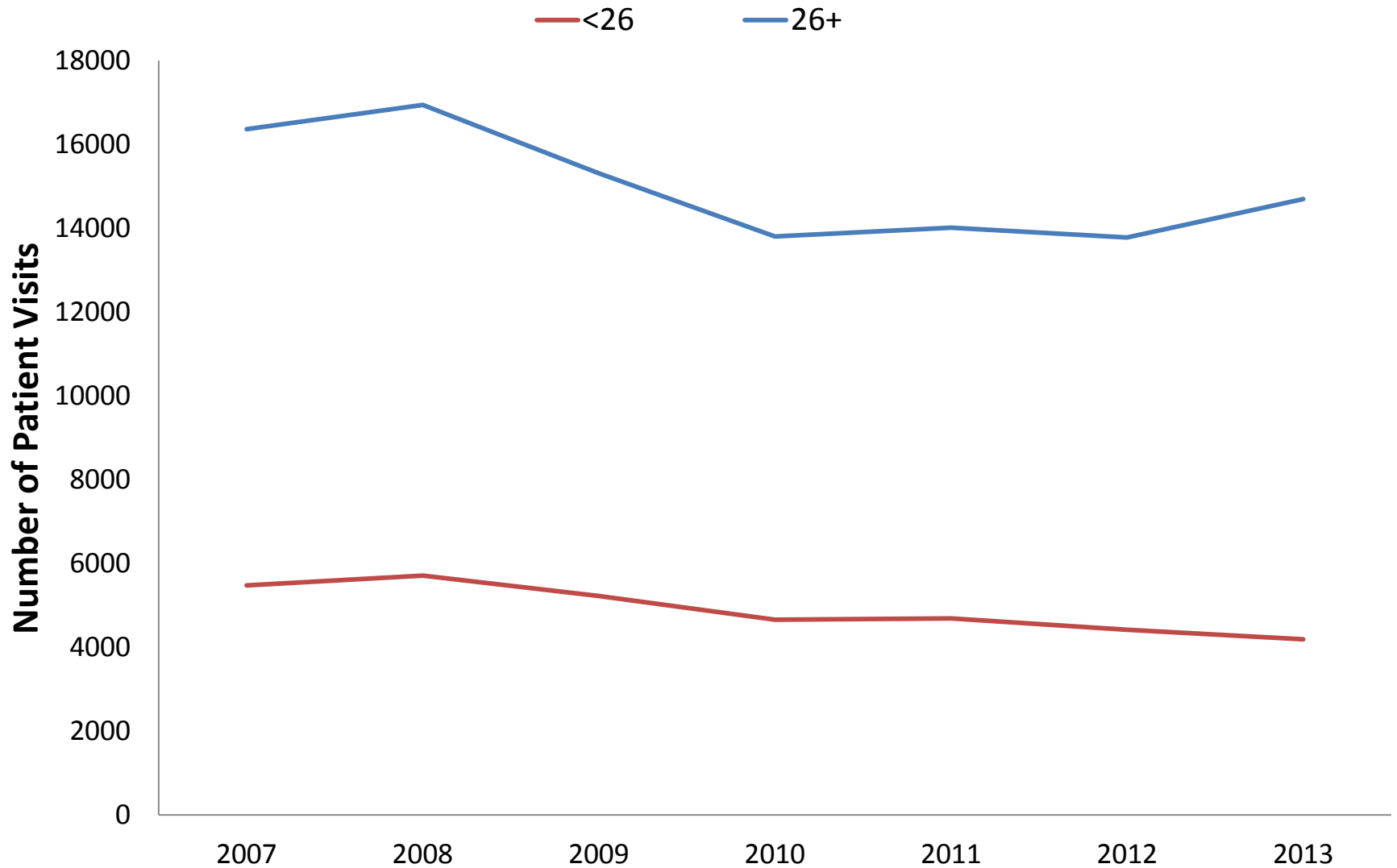
San Francisco City Clinic

- Provides low cost STD, HIV, and reproductive health services 5 days per week
- 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
- Adolescents are screened for chlamydia and gonorrhea at the urogenital, pharyngeal, and rectal sites (based on reported exposure)
- Pregnant adolescent women should be screened 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.

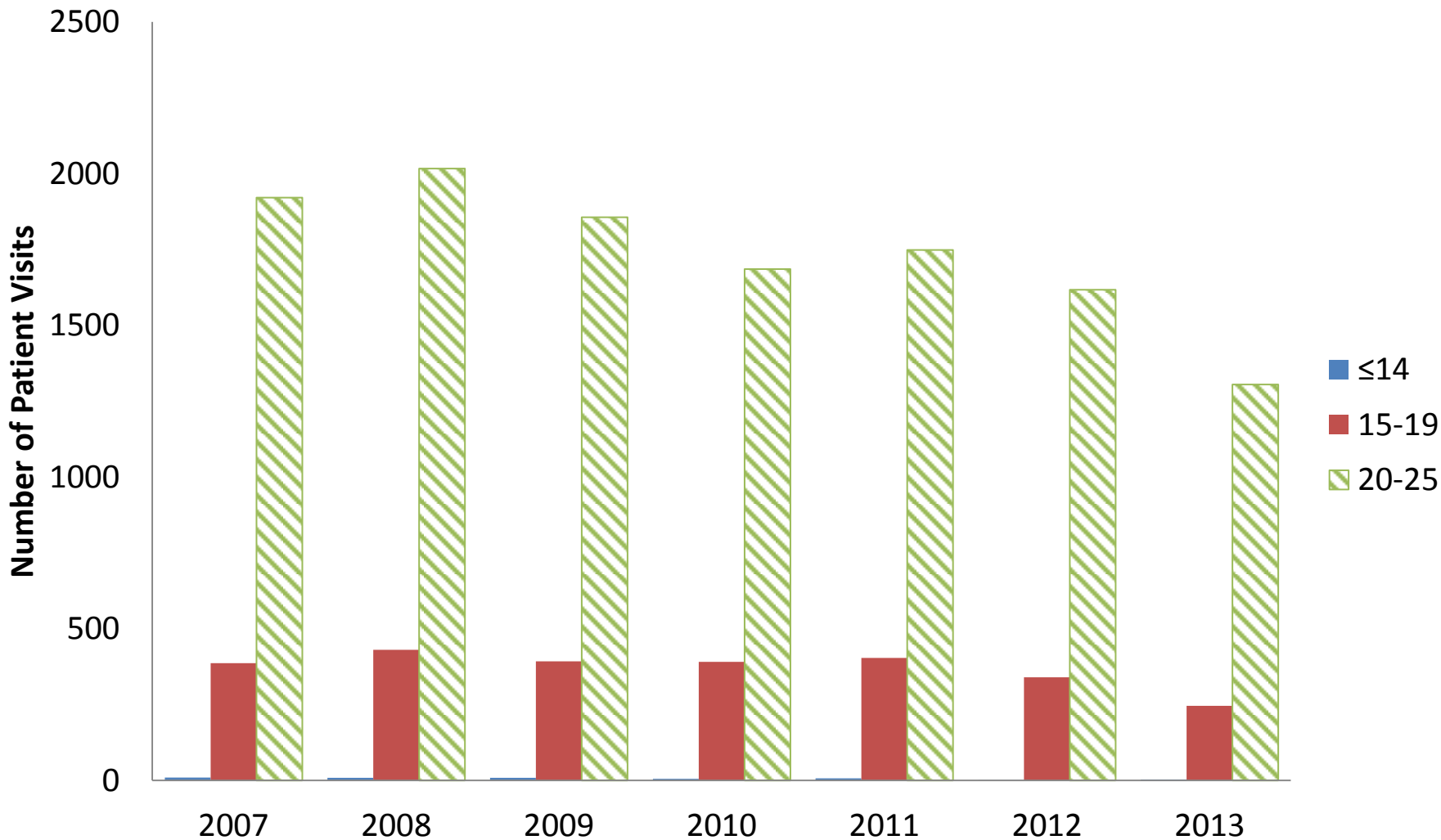
Data Definitions

- 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 dermatologic symptoms

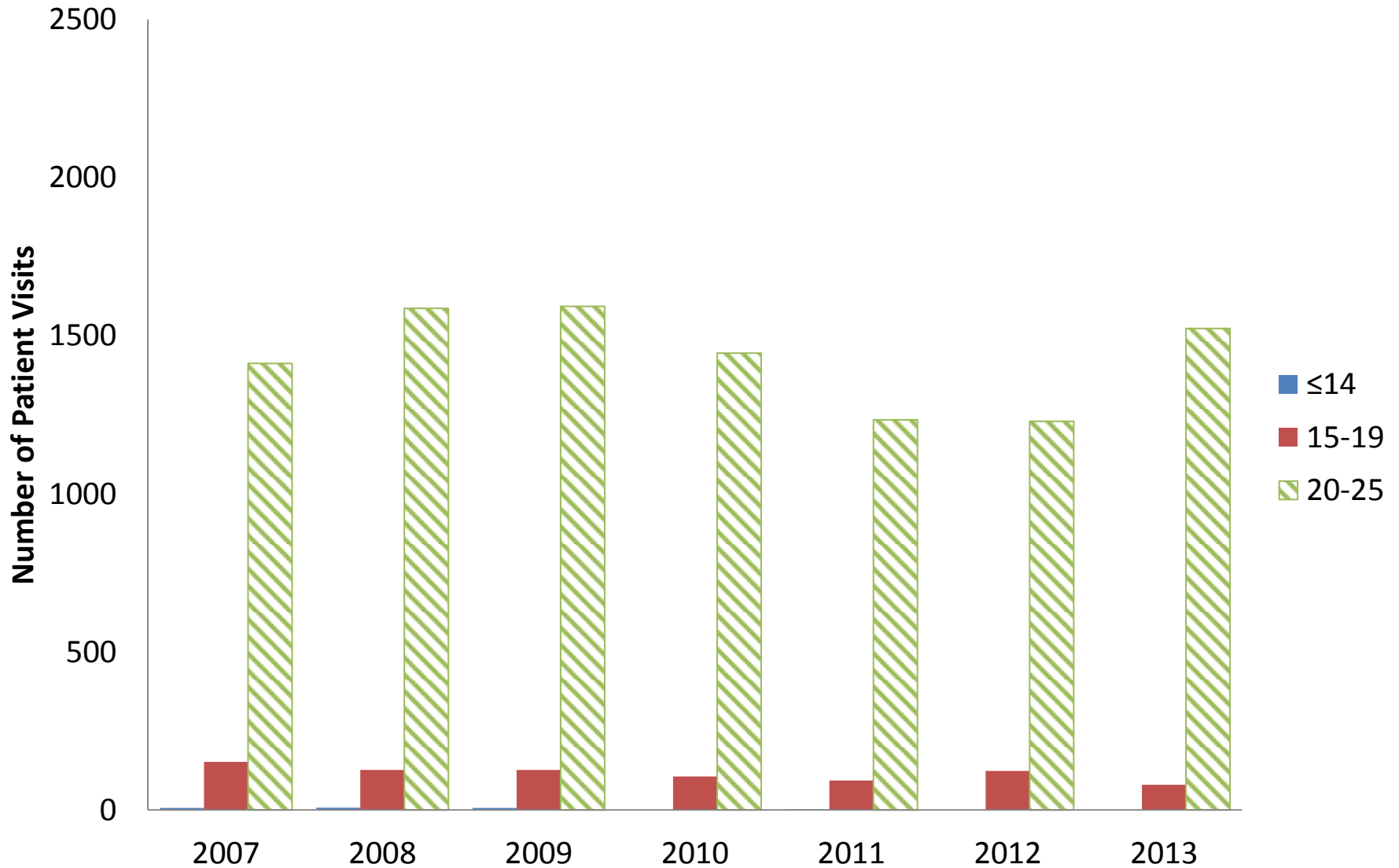
Number of Patient Visits, San Francisco City Clinic 2007-2013



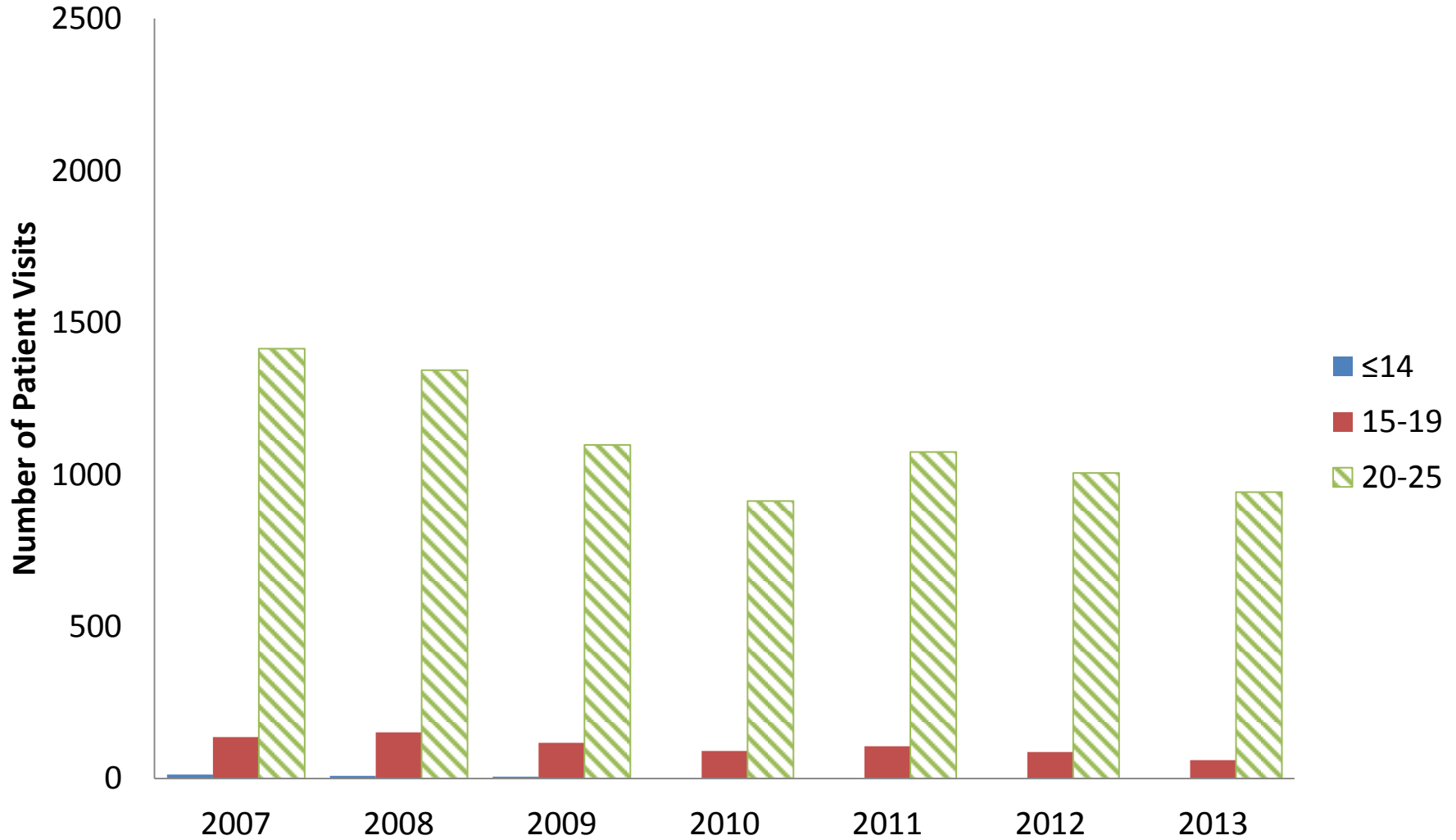
Age Distribution of Female Adolescent (≤ 25 years) Patient Visits, San Francisco City Clinic 2007-2013



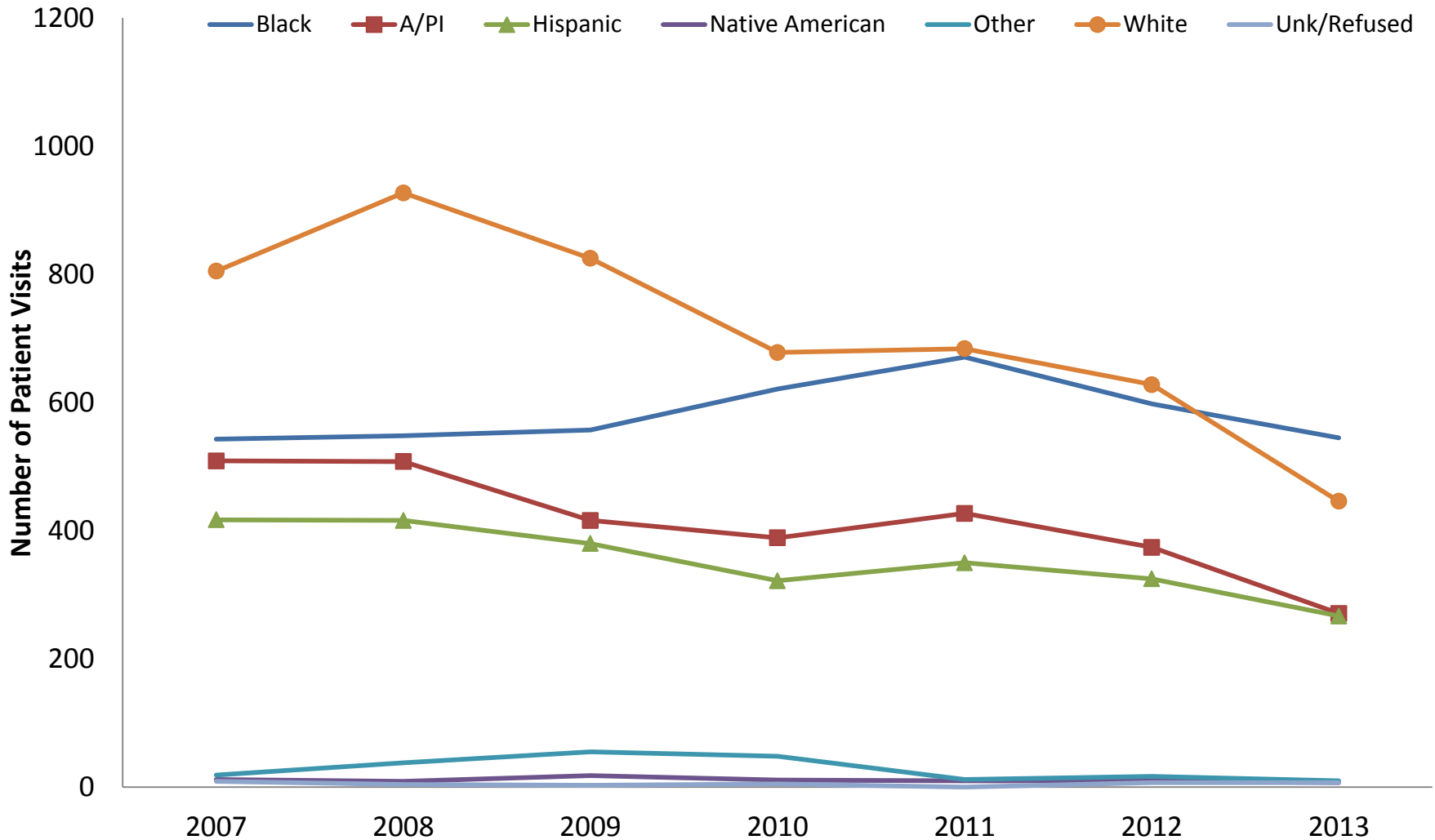
Age Distribution of MSM Adolescent Patient Visits, San Francisco City Clinic 2007-2013



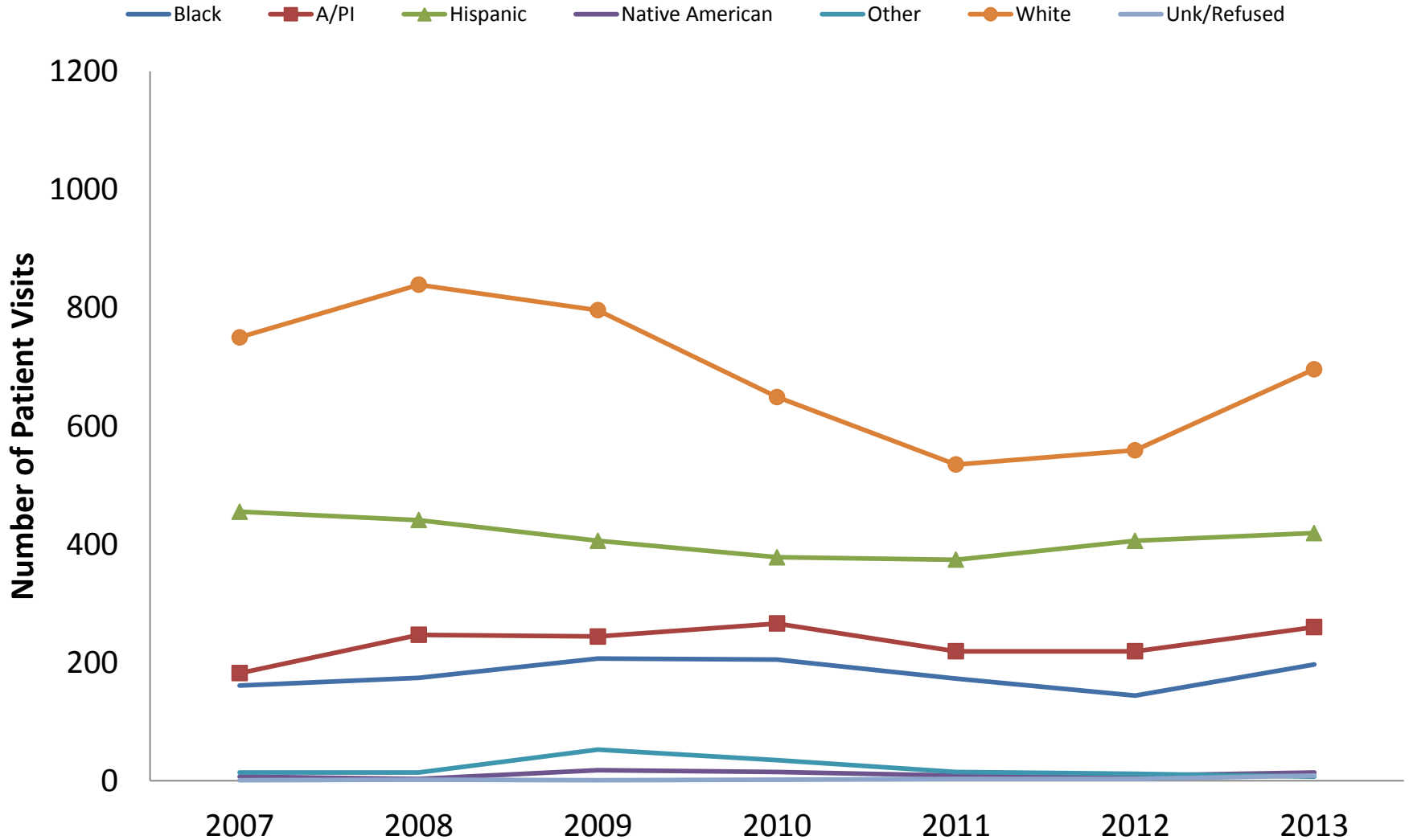
Age Distribution of Heterosexual Male Adolescent (≤25 years) Patient Visits, San Francisco City Clinic 2007-2013



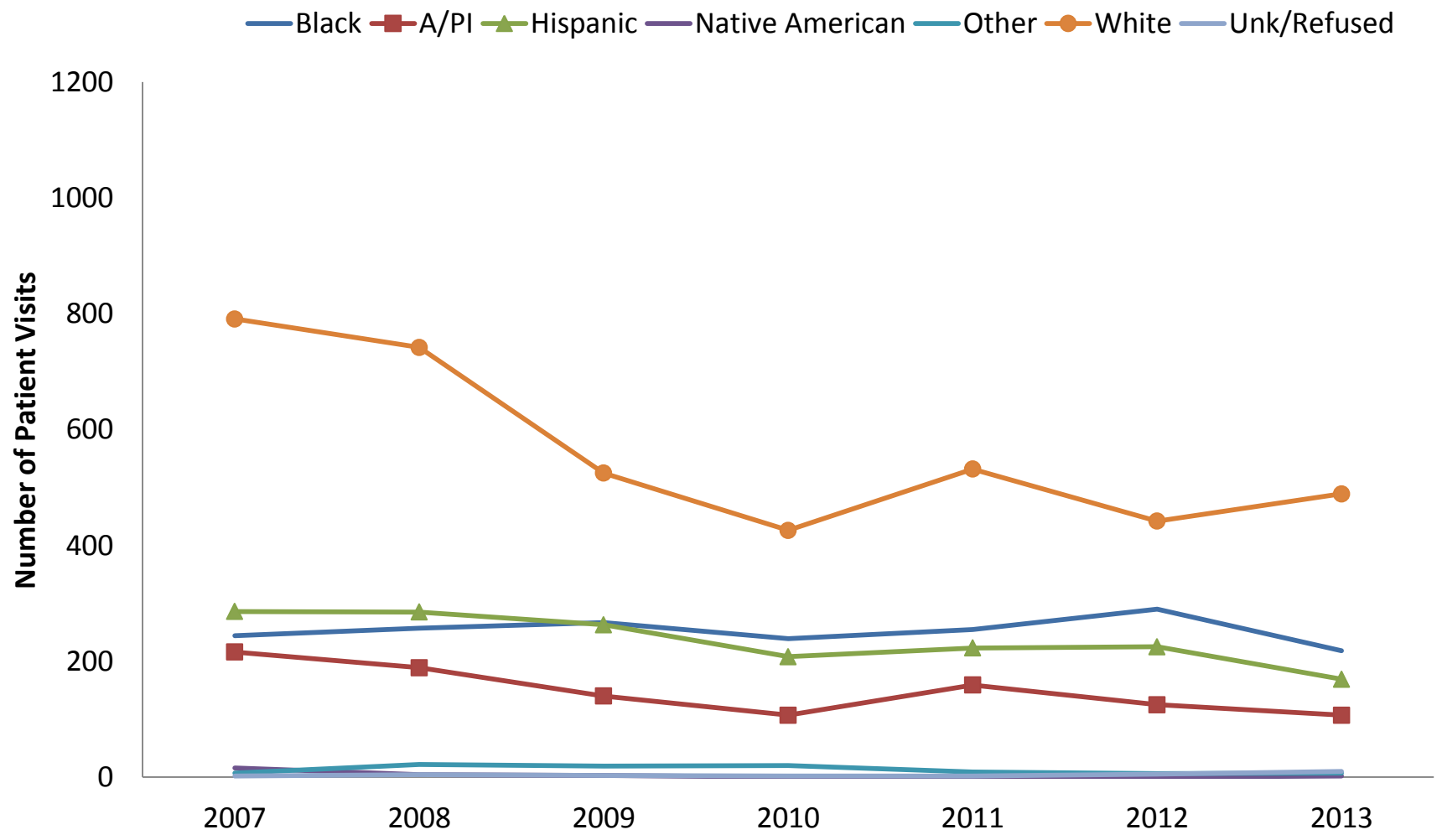
Race/Ethnicity Distribution of Female Adolescent Patient Visits, San Francisco City Clinic 2007-2013



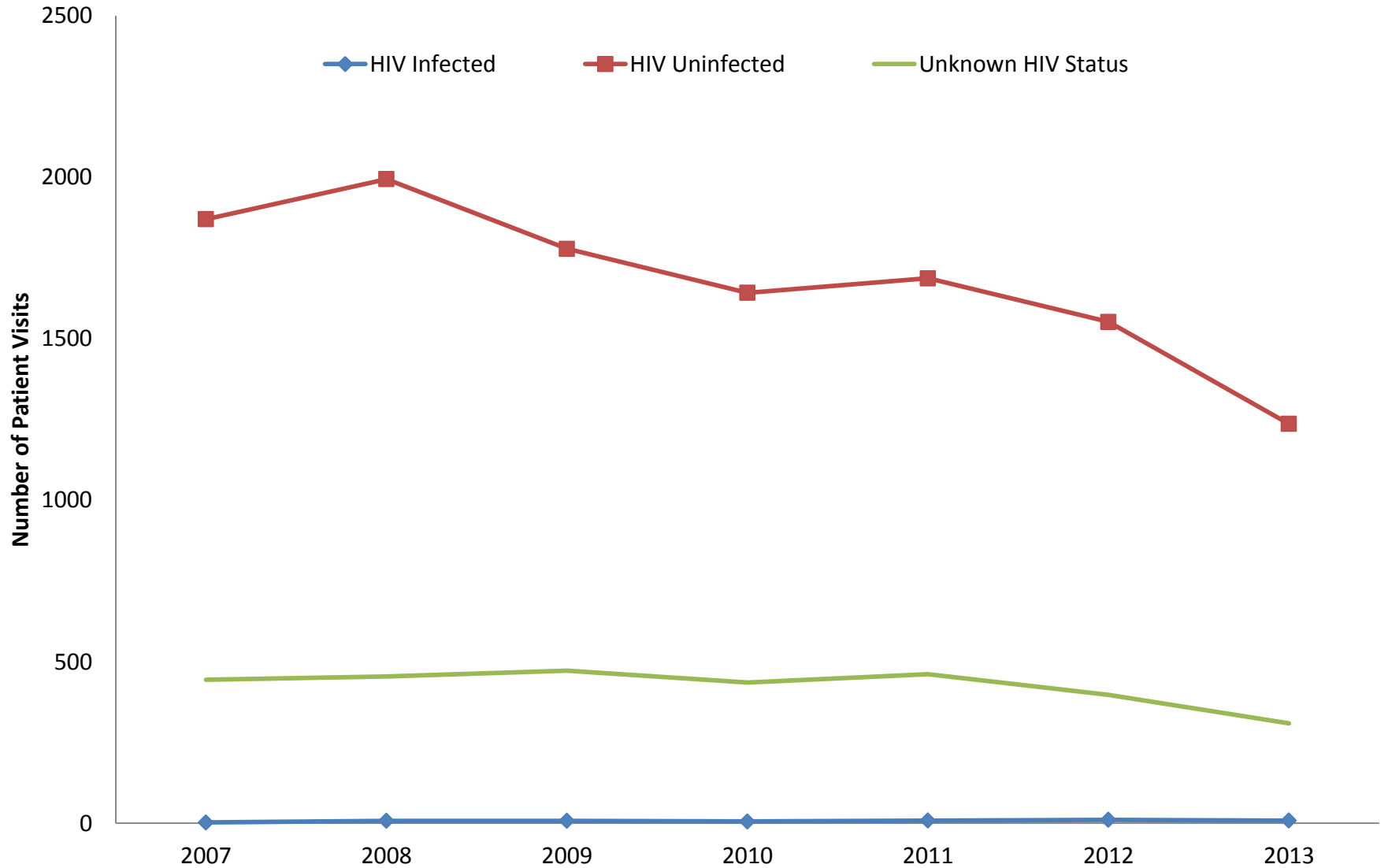
Race/Ethnicity Distribution of MSM Adolescent Patient Visits, San Francisco City Clinic 2007-2013



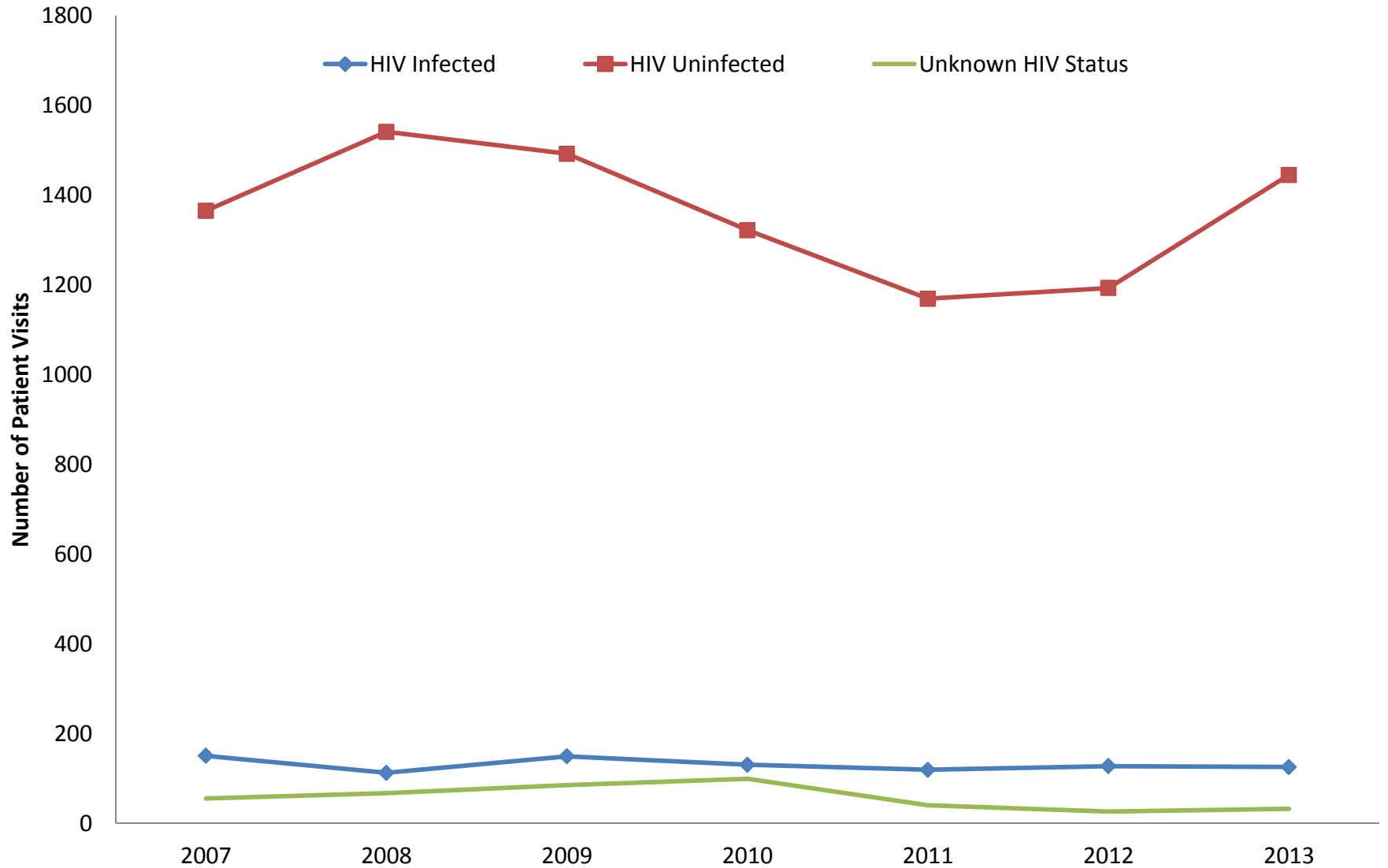
Race/Ethnicity Distribution of Heterosexual Male Adolescent Patient Visits, San Francisco City Clinic 2007-2013



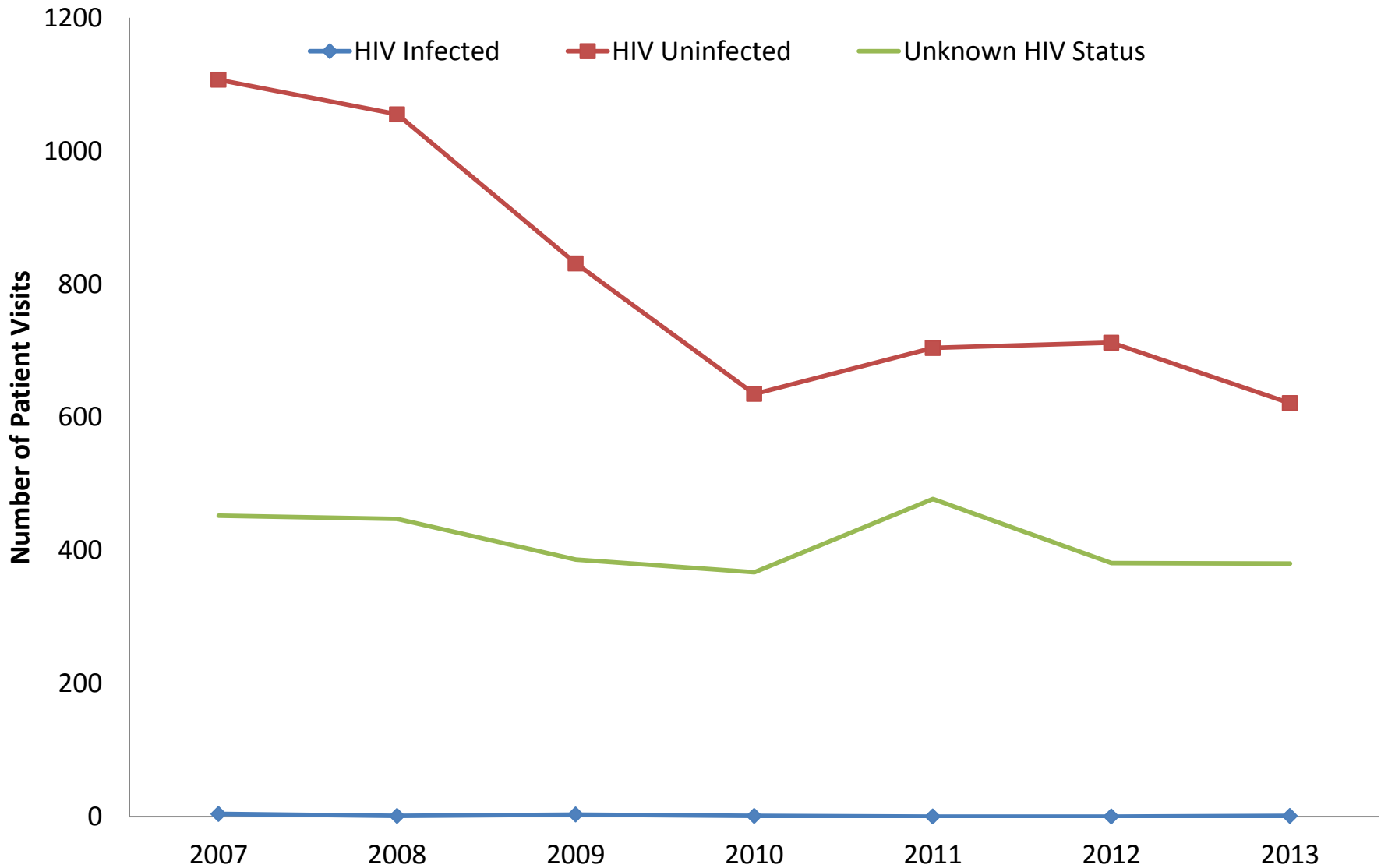
HIV Status of Female Adolescent Patient Visits, San Francisco City Clinic 2007-2013



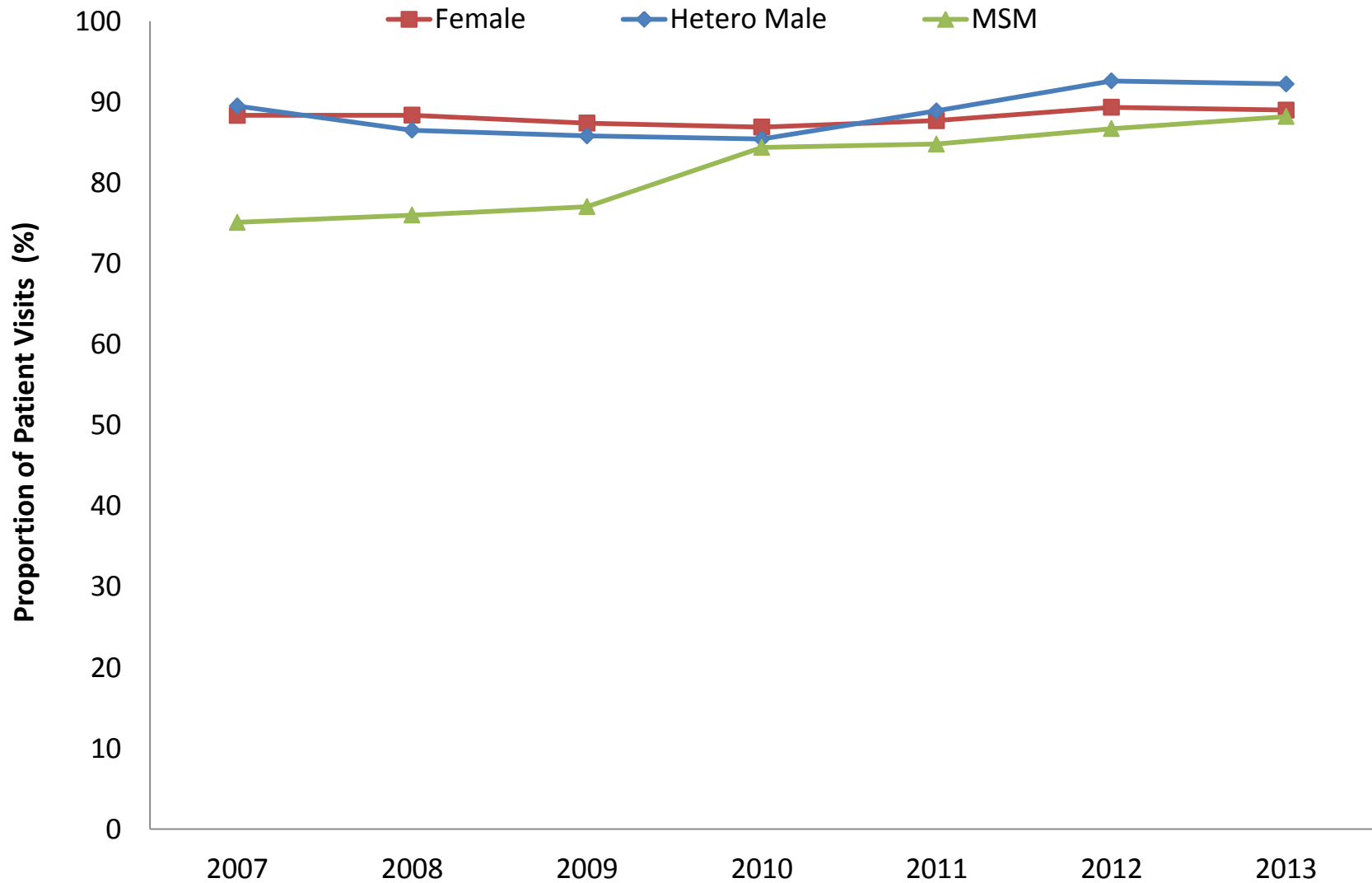
HIV Status of Adolescent MSM Patient Visits, San Francisco City Clinic 2007-2013



HIV Status of Heterosexual Male Adolescent Patient Visits, San Francisco City Clinic 2007-2013



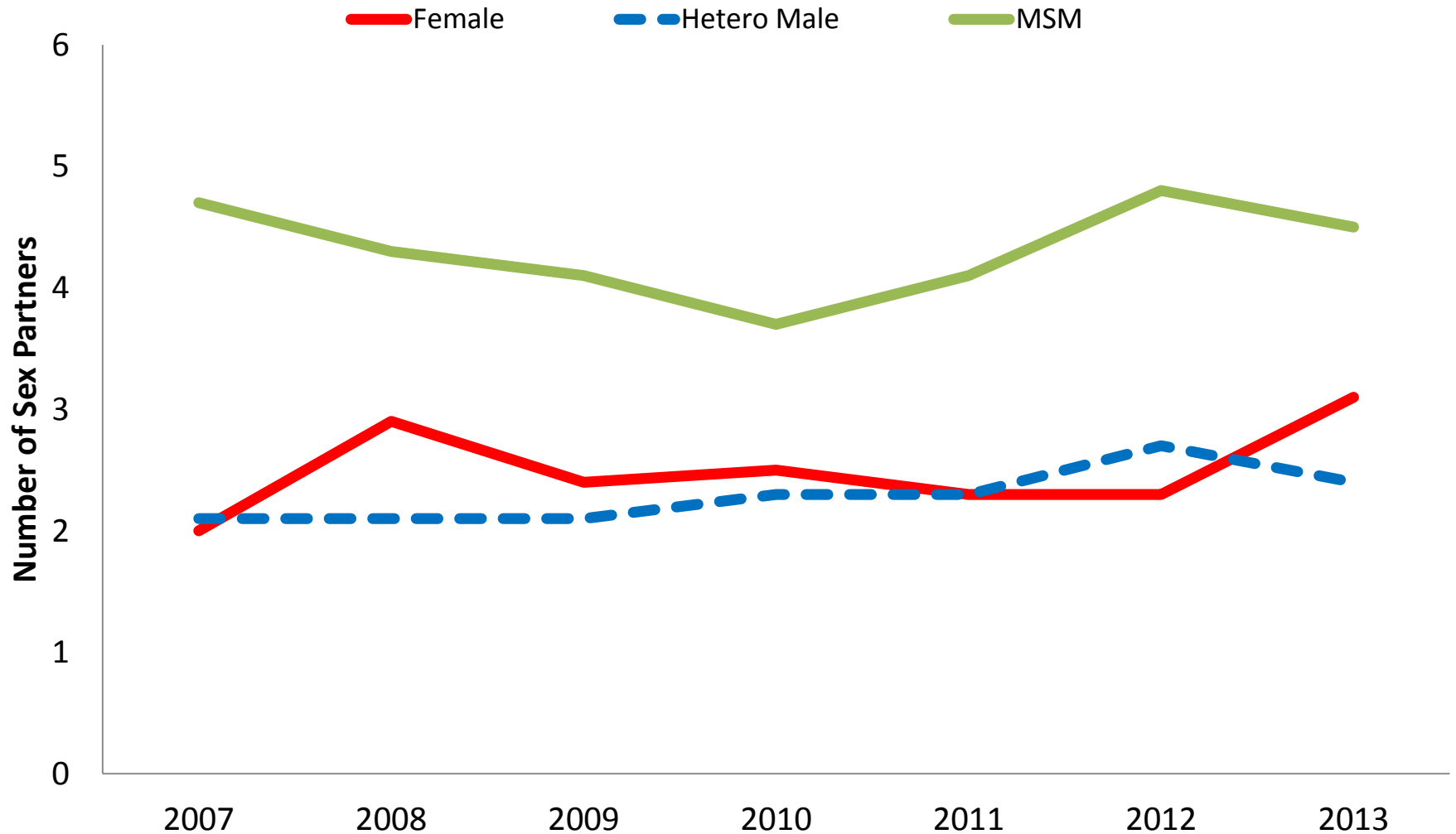
Proportion of Symptomatic Adolescent Patient Visits, San Francisco City Clinic 2007-2013



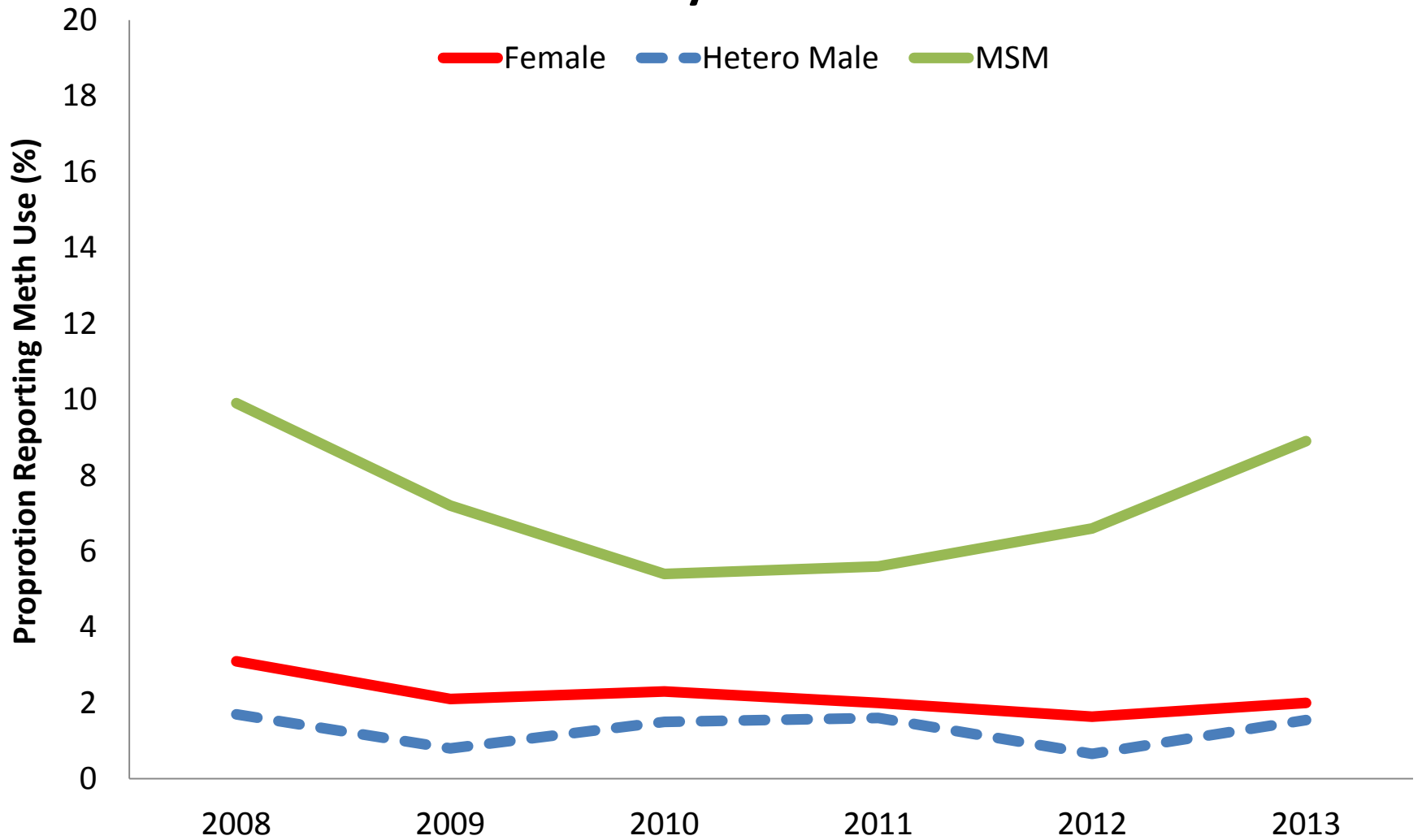
Median Number of Sex Partners in Prior 3 Months Among Adolescent Patient Visits, San Francisco City Clinic 2007-2013



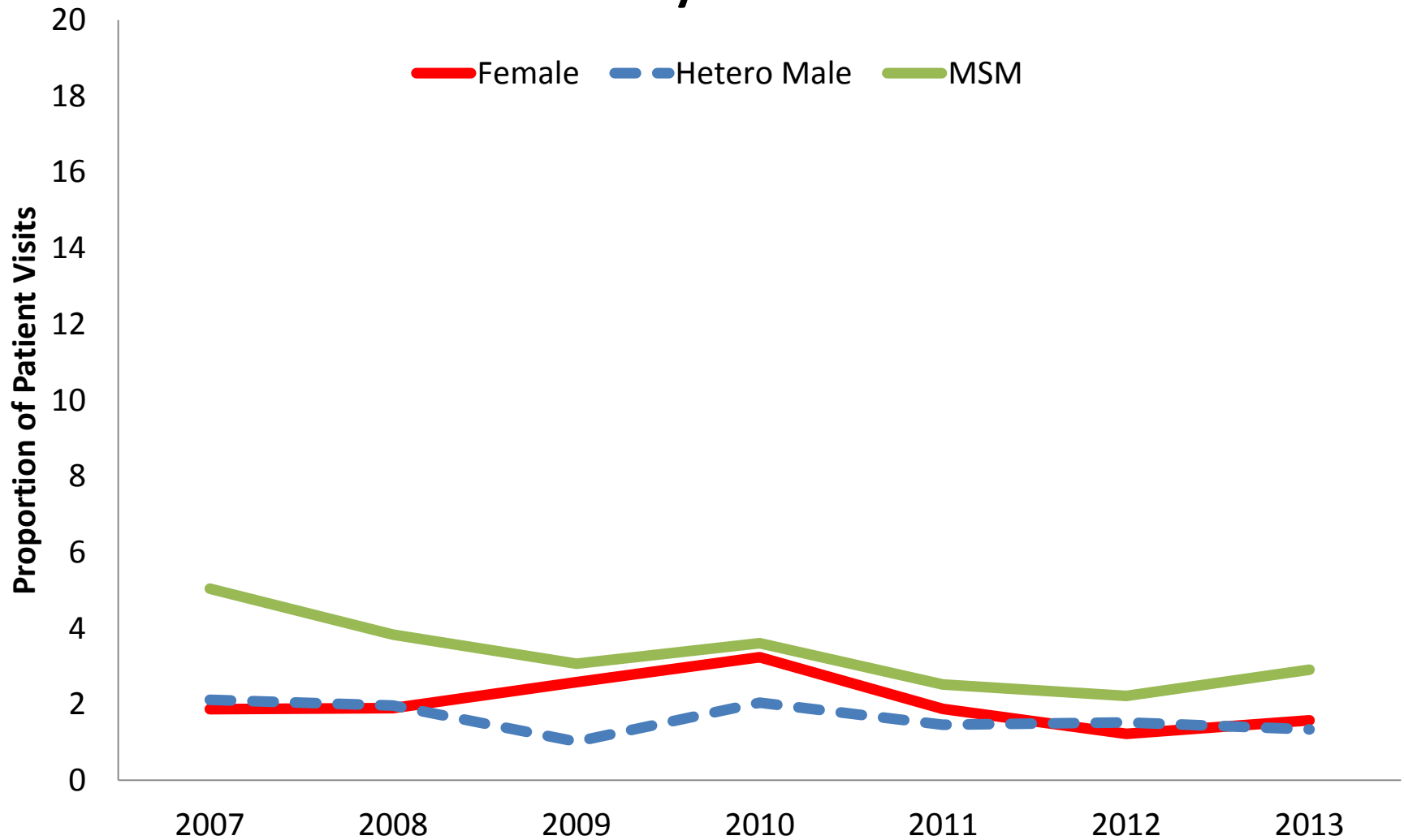
Mean Number of Sex Partners in Prior 3 Months Among Adolescent Patient Visits, San Francisco City Clinic 2007-2013



Proportion of Adolescent Visits Reporting Methamphetamine Use in the Prior 12 Months, San Francisco City Clinic 2007-2013

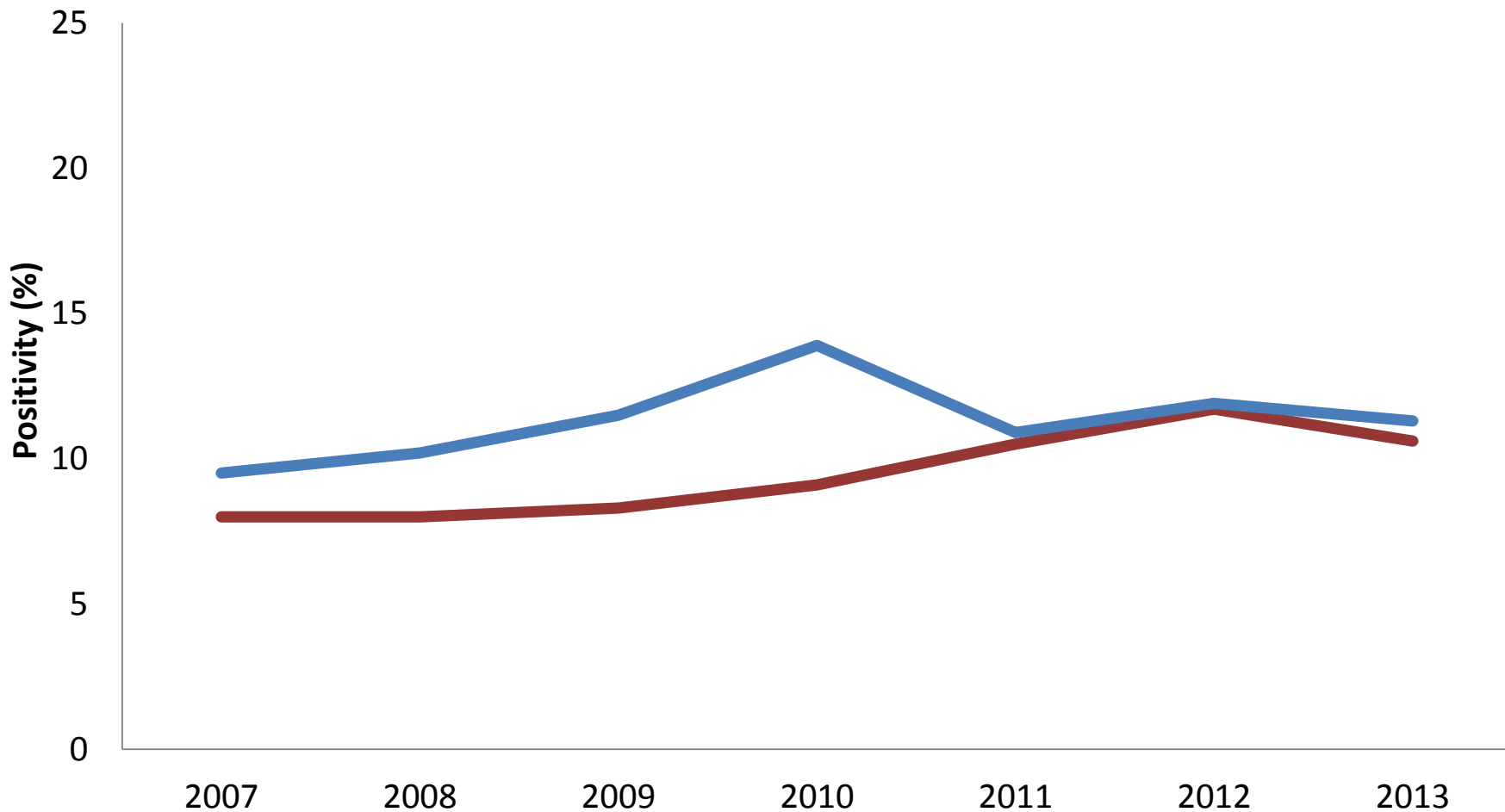


Proportion of Adolescent Visits Reporting Any Lifetime Injection Drug Use, San Francisco City Clinic 2007-2013



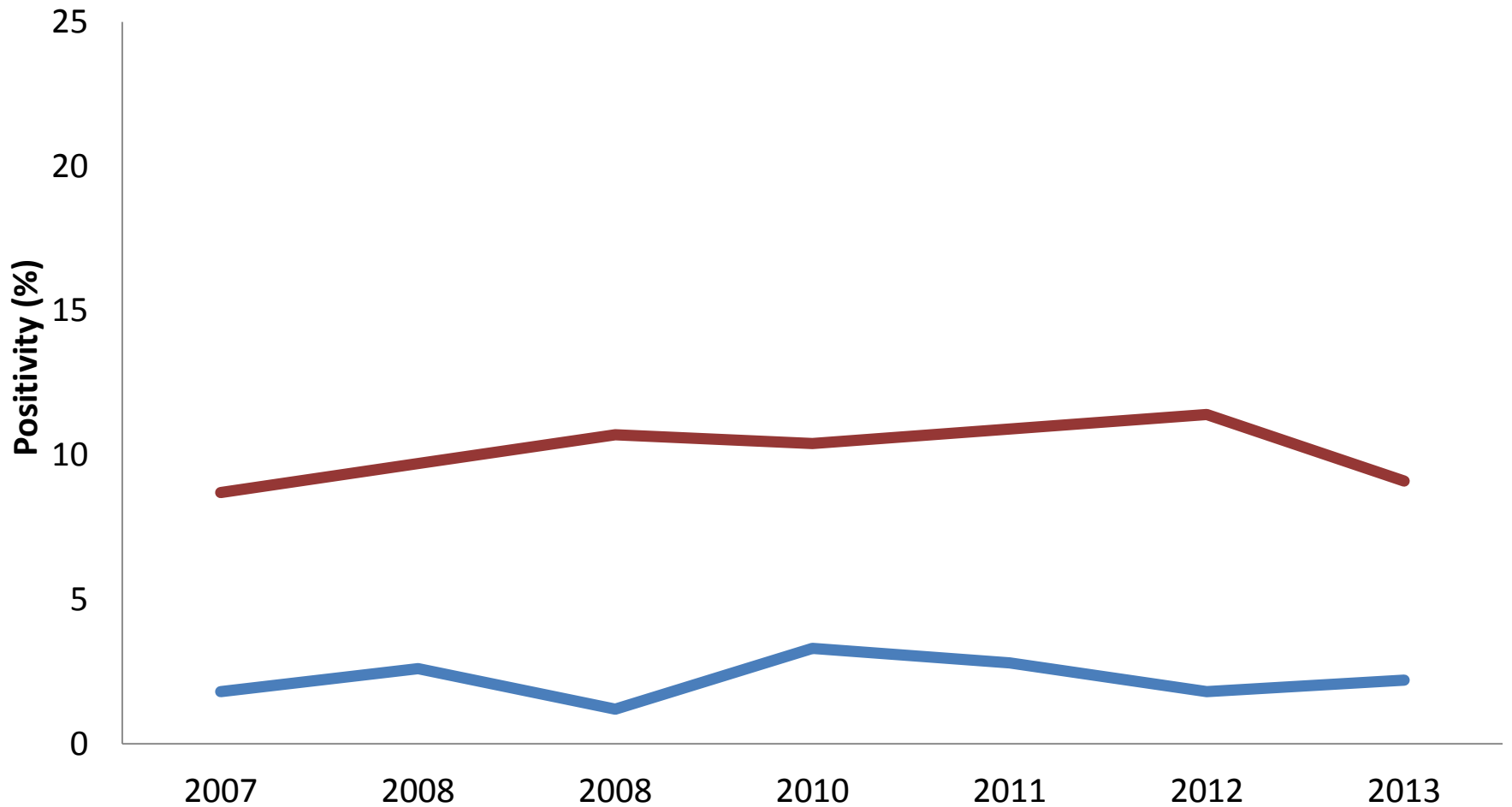
Rectal Gonorrhea and Chlamydia Positivity among Adolescent MSM, San Francisco City Clinic 2007-2013

Gonorrhea Chlamydia



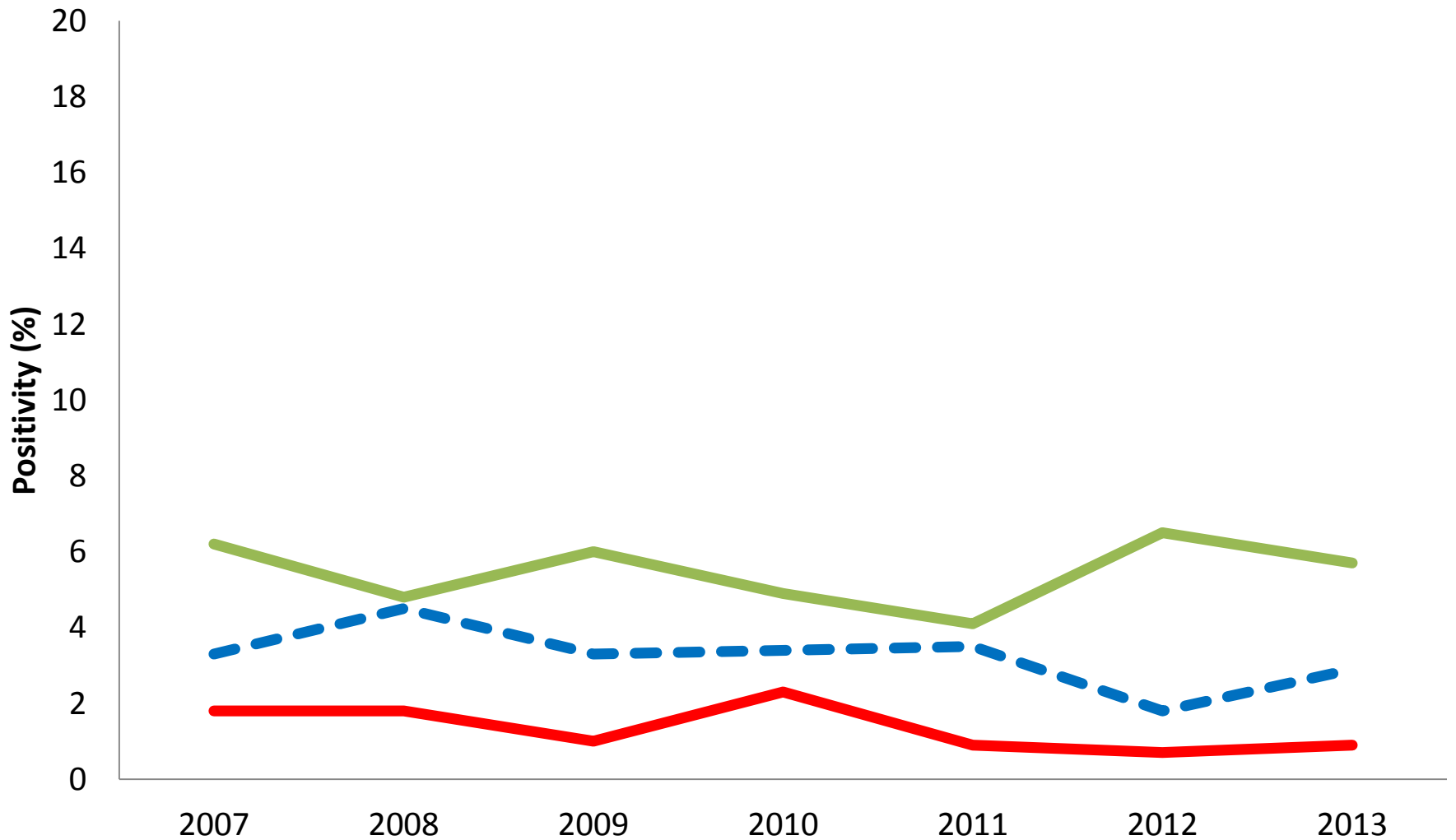
Pharyngeal Gonorrhea and Chlamydia Positivity among Adolescent MSM, San Francisco City Clinic 2007-2013

Gonorrhea Chlamydia



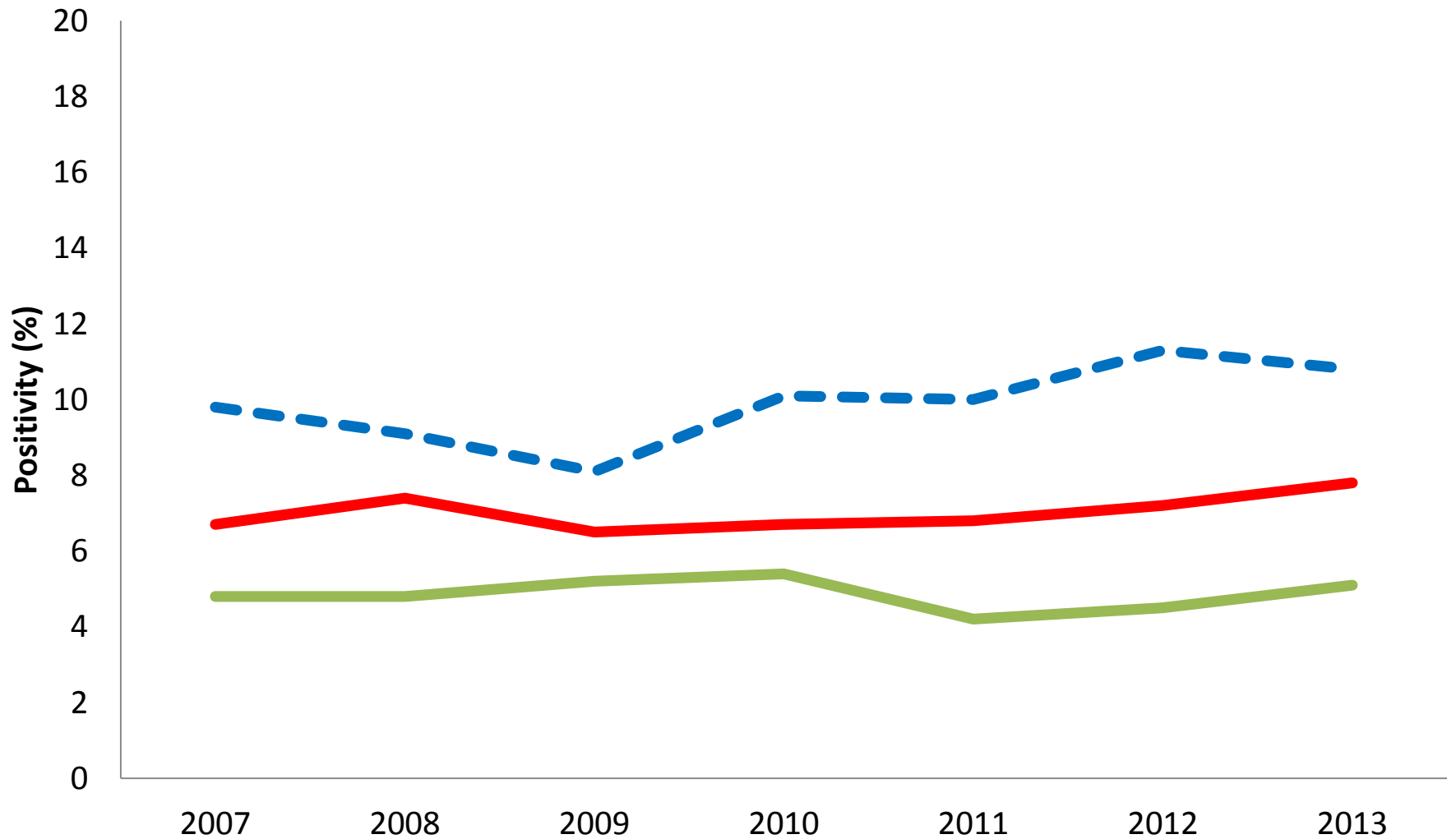
Urogenital Gonorrhea Positivity among Adolescents, San Francisco City Clinic 2007-2013

Female Hetero Male MSM



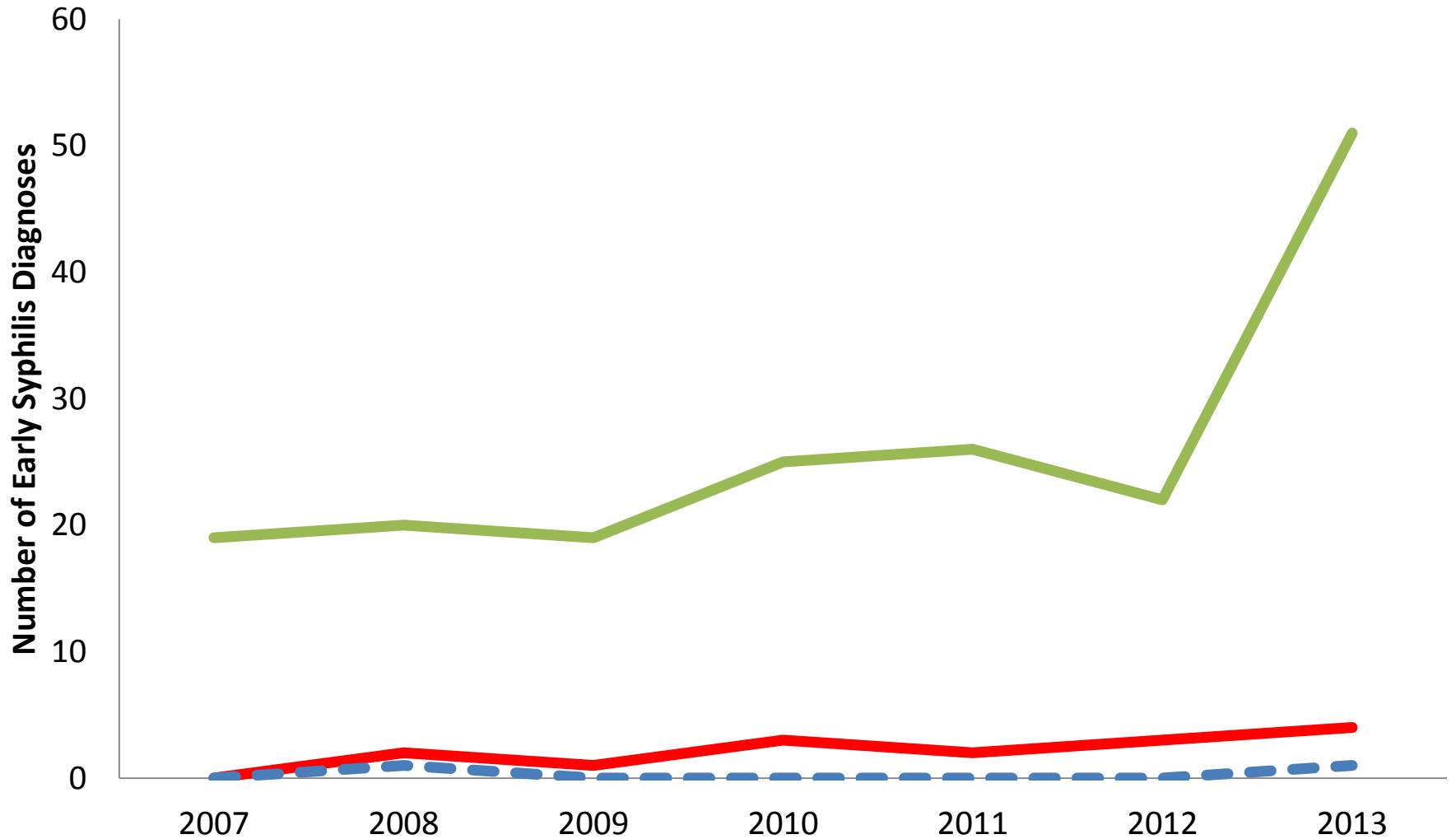
Urogenital Chlamydia Positivity among Adolescents, San Francisco City Clinic 2007-2013

Female Hetero Male MSM



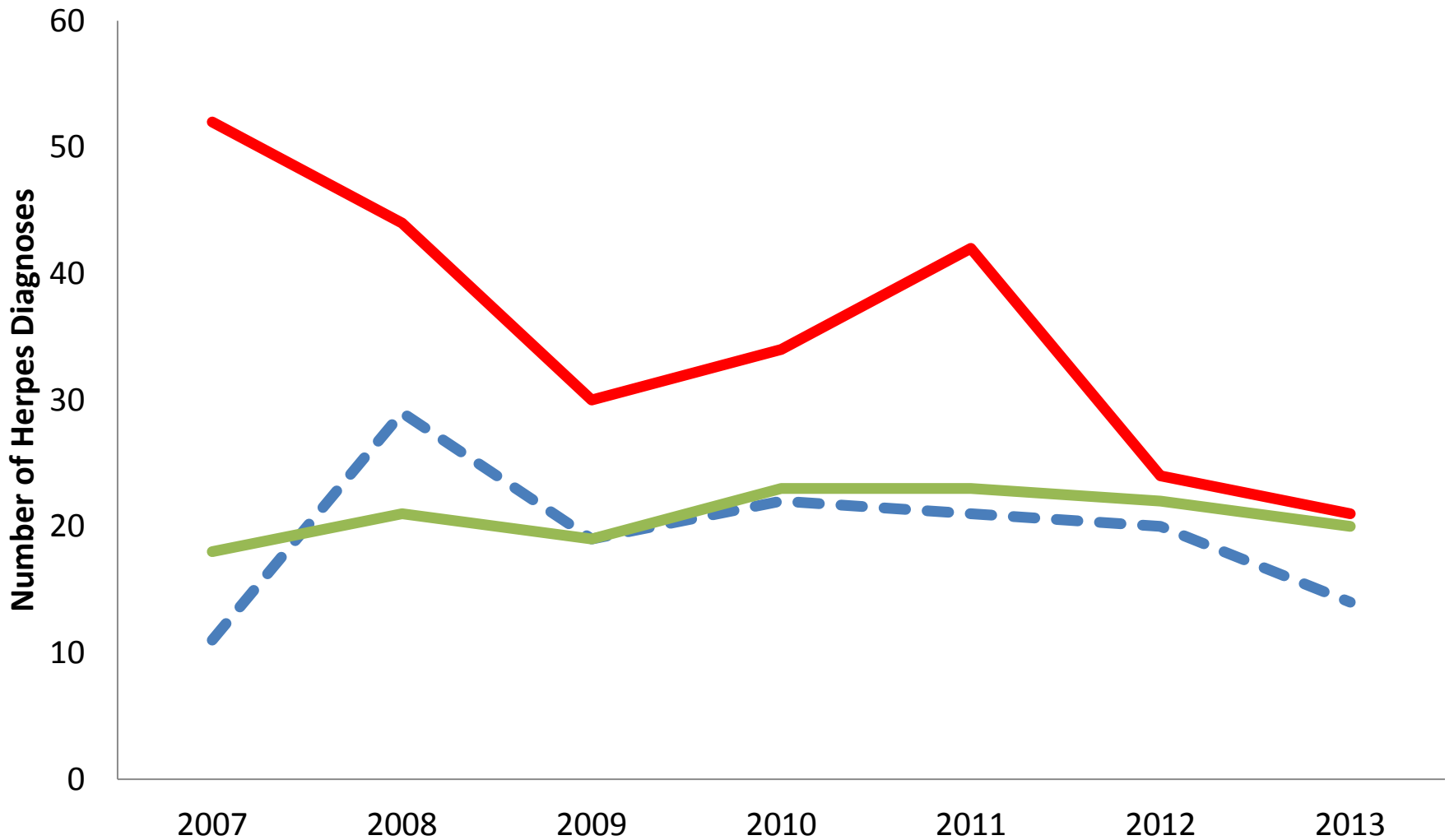
Early Syphilis Diagnoses among Adolescents, San Francisco City Clinic 2007-2013

Female Hetero Male MSM



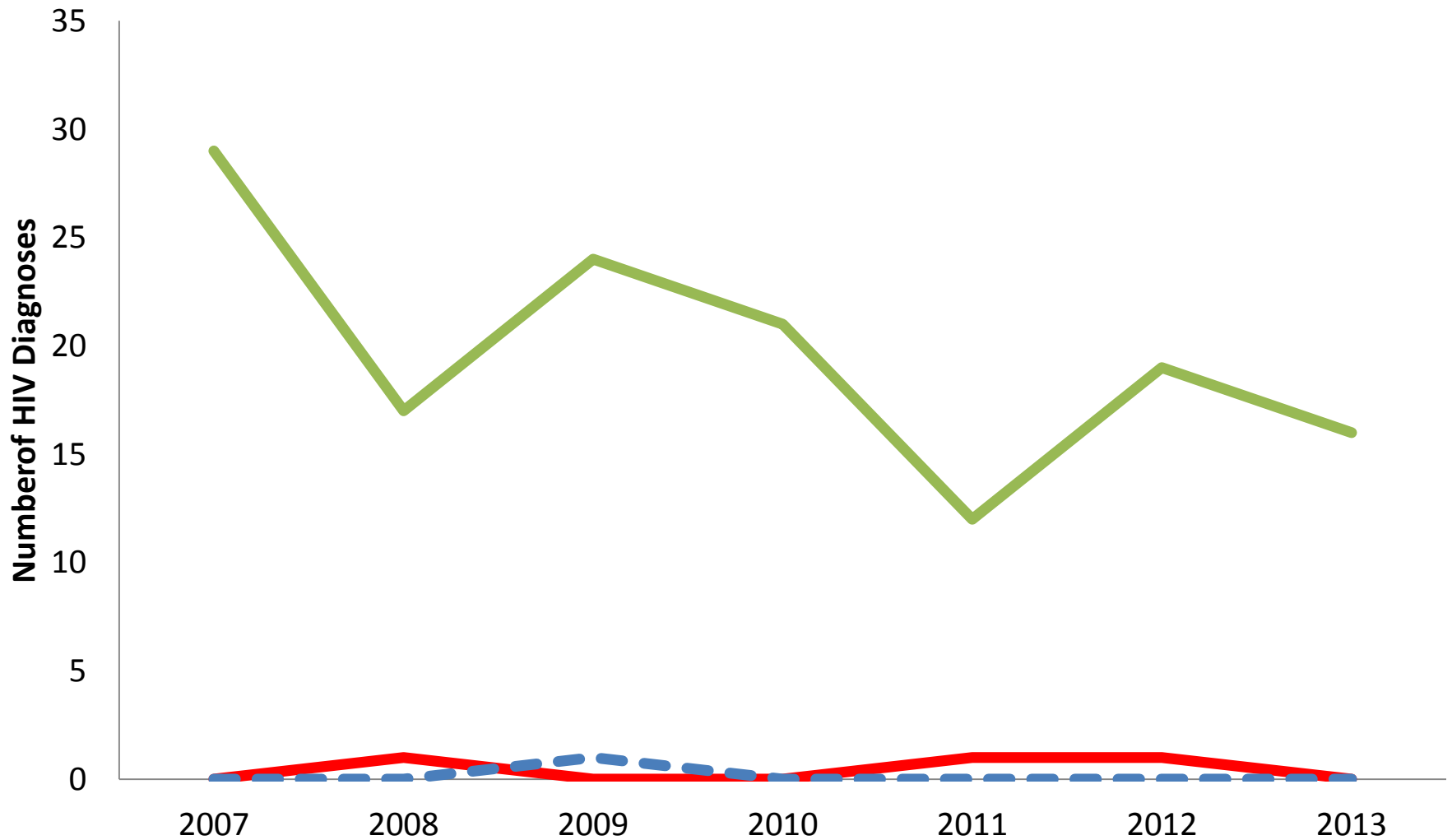
Genital Herpes Diagnoses among Adolescents, San Francisco City Clinic 2007-2013

Female Hetero Male MSM



HIV Diagnoses among Adolescents, San Francisco City Clinic 2007-2013

Female Hetero Male MSM



Thank You

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Suggested Citation

San Francisco Department of Public Health. San Francisco Sexually Transmitted Disease Annual Summary, 2013. San Francisco Department of Public Health, San Francisco, California. December 2014.

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.

Data Notes

- 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, SFDPH 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.
- SFDPH recommends that sexually active adolescents be screened annually for:
 - Chlamydia
 - Gonorrhea