



**Department
of Health**

**AIDS
Institute**

Sexually Transmitted Infections Surveillance Report

New York State

2022

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Table of Contents

EXECUTIVE SUMMARY

Report----- 1

SEXUALLY TRANSMITTED INFECTIONS (STI) DESCRIPTIONS

Syphilis----- 3
Gonorrhea----- 5
Chlamydia----- 6

OVERALL DIAGNOSES OF SEXUALLY TRANSMITTED INFECTIONS

Figure 1. Sexually Transmitted Infections Diagnoses by Age, New York State, 2022----- 7
Table 1. Sexually Transmitted Infections by Region/County, New York State, 2022----- 8

SYPHILIS

Figure 2. Early Syphilis by Year, New York State, 1960 – 2022----- 9
Figure 3. Early Syphilis by Year and Sex, New York State excluding New York City, 1936 – 2022----- 10
Figure 4. Primary and Secondary Syphilis Rates by Race/Ethnicity and Year, New York State, 2010 – 2022----- 11
Figure 5. Primary and Secondary Syphilis Rates by Age and Sex, New York State, 2022----- 12
Figure 6. Congenital Syphilis Diagnoses with Primary & Secondary Syphilis Rates, New York State, 2010 – 2022----- 13
Table 2. Syphilis by Region/County, New York State, 2022----- 14
Table 3. Early Syphilis by Region/County and Sex, New York State, 2022----- 15
Table 4. Primary and Secondary Syphilis by Region/County and Sex, New York State, 2022----- 16
Table 5. Early Syphilis by Sex and Age, New York State, 2022----- 17
Table 6. Primary and Secondary Syphilis by Sex and Age, New York State, 2022----- 18
Table 7. Early Syphilis by Region/County and Year, New York State, 2020 – 2022----- 19
Table 8. Early Syphilis by Year and Region, New York State, 1960 – 2022----- 20
Table 9. Primary and Secondary Syphilis by Year and Region, New York State, 1957 – 2022----- 21

Table of Contents

GONORRHEA

| | |
|---|----|
| Figure 7. Gonorrhea by Year and Region, New York State, 1960 – 2022 | 22 |
| Figure 8. Gonorrhea Rates by Sex and Year, New York State, 2010 – 2022 | 23 |
| Figure 9. Gonorrhea Rates by Race/Ethnicity and Year, New York State, 2013 – 2022 | 24 |
| Figure 10. Gonorrhea Rates by Age and Sex, New York State, 2022 | 25 |
| Table 10. Gonorrhea by Region/County and Sex, New York State, 2022 | 26 |
| Table 11. Gonorrhea by Sex and Age, New York State, 2022 | 27 |
| Table 12. Gonorrhea by Region/County and Year, New York State, 2020 – 2022 | 28 |
| Table 13. Gonorrhea by Year and Region, New York State, 1960 – 2022 | 29 |

CHLAMYDIA

| | |
|---|----|
| Figure 11. Chlamydia by Year and Region, New York State, 2001 – 2022 | 30 |
| Figure 12. Chlamydia Rates by Sex and Year, New York State, 2010 – 2022 | 31 |
| Figure 13. Chlamydia Rates by Race/Ethnicity and Year, New York State, 2013 – 2022 | 32 |
| Figure 14. Chlamydia Rates by Age and Sex, New York State, 2022 | 33 |
| Table 14. Chlamydia by Region/County and Sex, New York State, 2022 | 34 |
| Table 15. Chlamydia by Sex and Age, New York State, 2022 | 35 |
| Table 16. Chlamydia among Young Females, by Age and Region/County, New York State, 2022 | 36 |
| Table 17. Chlamydia by Region/County and Year, New York State, 2020 – 2022 | 37 |
| Table 18. Chlamydia by Year and Region, New York State, 2001 – 2022 | 38 |

Table of Contents

NEW YORK STATE REGIONAL PROFILES OF SEXUALLY TRANSMITTED INFECTIONS

| | |
|--|----|
| Percent Change in Age-Adjusted Rates of Sexually Transmitted Infections by Region, 2021 – 2022 ----- | 40 |
| Buffalo Region: 2022 Age-Adjusted Rates by Location----- | 41 |
| Buffalo Region: 2022 Age-specific Rates by Sex at Birth ----- | 42 |
| Buffalo Region: Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity ----- | 43 |
| Capital Region: 2022 Age-Adjusted Rates by Location ----- | 44 |
| Capital Region: 2022 Age-specific Rates by Sex at Birth----- | 45 |
| Capital Region: Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity----- | 46 |
| Central Region: 2022 Age-Adjusted Rates by Location ----- | 47 |
| Central Region: 2022 Age-specific Rates by Sex at Birth----- | 48 |
| Central Region: Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity ----- | 49 |
| Hudson Valley Region: 2022 Age-Adjusted Rates by Location ----- | 50 |
| Hudson Valley Region: 2022 Age-specific Rates by Sex at Birth----- | 51 |
| Hudson Valley Region: Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity ----- | 52 |
| Long Island Region: 2022 Age-Adjusted Rates by Location ----- | 53 |
| Long Island Region: 2022 Age-specific Rates by Sex at Birth----- | 54 |
| Long Island Region: Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity ----- | 55 |
| Rochester Region: 2022 Age-Adjusted Rates by Location----- | 56 |
| Rochester Region: 2022 Age-specific Rates by Sex at Birth ----- | 57 |
| Rochester Region: Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity ----- | 58 |

TECHNICAL NOTES

| | |
|---|----|
| Data Sources----- | 59 |
| Sexually Transmitted Infections Statistics----- | 60 |
| References ----- | 61 |
| Citation and Contact ----- | 62 |

EXECUTIVE SUMMARY REPORT

This document summarizes 2022 surveillance data for the three major notifiable bacterial sexually transmitted infections (STIs) in New York State (NYS): chlamydia, gonorrhea, and syphilis.

Healthcare providers and laboratories are required to report suspected or confirmed diagnoses of communicable diseases including sexually transmitted infections under [NYS Public Health Law 2101 and 2102](#)¹. More detailed information on data collected can be found in the Technical Notes section of this report.

Public health prevention and control of sexually transmitted infections, both nationally as well as in New York State, were severely disrupted due to COVID-19 in [2020](#) and [2021](#) resulting in large increases in gonorrhea and syphilis diagnoses, and decreases in chlamydia screenings. In 2022, reported diagnoses of gonorrhea increased for the ninth consecutive year, while primary and secondary syphilis increased for the fifth consecutive year; chlamydia increased for the second consecutive year after declining in 2020. Data from the [Centers for Disease Control and Prevention](#)² (CDC) ranks New York State 14th, 15th, and 22nd among all states in 2022 for rates per 100,000 of chlamydia, gonorrhea, and primary and secondary syphilis, respectively; and 41st for rate per 100,000 live births of congenital syphilis.

In 2022, the highest rates of sexually transmitted infections in New York State continued to be seen in young persons, non-Hispanic Black individuals, and men who have sex with men; further, with the rise in congenital syphilis births, persons of reproductive capacity are a population of concern with respect to sexually transmitted infection transmissions.

Since chlamydia became a reportable sexually transmitted infection in 2000, the number of diagnoses has dominated other reportable sexually transmitted infections. Chlamydia diagnoses increased by approximately 2% in 2022 compared to 2021, and it continued to remain the most reported sexually transmitted infection in New York State with 103,689 diagnoses (6.7% increase from 2020) but still 17% lower than 2019 (124,389 diagnoses). The highest rates in 2022 were

seen in females 15-24 years of age.

Gonorrhea diagnoses increased 0.7% from 43,081 in 2021 to 43,368 in 2022. This represents the smallest annual increase since 2014. Gonorrhea rates decreased in females by 16% and increased in males by 9% when compared to 2021. Additionally, the rates were highest among males 20-34, and among females 15-24.

Primary and secondary syphilis diagnoses increased by 3% in 2022 compared to 2021. Diagnoses among males accounted for 86% of primary and secondary syphilis diagnoses; 74% of males diagnosed with primary or secondary syphilis reported other males as their sex partners. In 2022, rates of primary and secondary syphilis among females increased 11-fold compared to 2014 rates. Additionally, in 2022, 51 diagnoses of congenital syphilis were reported statewide, a 24% increase compared to 2021 (41 diagnosed infants).

Many cases of syphilis, gonorrhea, and chlamydia go undiagnosed and therefore unreported, and several highly prevalent sexually transmitted infections, such as human papillomavirus or HPV, genital herpes, and trichomoniasis, are not reported at all. This report provides important information about the burden of notifiable bacterial sexually transmitted infections in New York State.

New York State remains committed to conducting high quality sexually transmitted infections surveillance, responding to sexually transmitted infection-related outbreaks, identifying persons with sexually transmitted infections, and linking them and their sexual partners to care and treatment through Partner Services. Additional priorities include promoting the Centers for Disease Control and Prevention recommended screening, diagnosis, and treatment practices and sharing local epidemiological information with health care professionals and the community. We value our partnership with community experts in strengthening collaborations, monitoring, and developing sexually transmitted infections related policies, and analyzing data for program insights and improvement.

Sexually Transmitted Infection Description: Syphilis

[Syphilis](#)³ is caused by the bacterium *Treponema pallidum* and is spread through vaginal, anal, or oral sex with a partner with syphilis infection.

Syphilis is generally classified in four stages that occur sequentially:

- Primary syphilis – characterized by a single painless skin ulcer (sore), although there may be multiple sores. The sore generally appears within a few weeks of sexual contact with a person with syphilis infection, usually on or around the genitals or anus, or on the lips, or in the mouth. Transmission occurs through direct contact with a syphilitic sore during sex. After the sores heal (sores will heal without treatment) the infection progresses to secondary syphilis.
- Secondary syphilis – presents as skin rashes and lesions on mucous membranes, generally within six weeks after the primary sore or sores heal. Symptoms resolve even without treatment and the infection enters the latent stage.
- Early non-primary non-secondary stage – causes intermittent flare-ups of symptoms, alongside periods with no outward symptoms.
- Late/tertiary stage – occurs when the infection is left untreated and begins three or more years after infection. In this stage the bacteria, while not sexually transmittable, can spread throughout the body leading to serious illness or death.

Syphilis infection increases the risk for contracting HIV. Syphilis can be cured with [antibiotics](#)⁴, though any damage to the body that has already occurred cannot be undone. Dosage and length of treatment will depend upon the syphilis stage at diagnosis and whether there are clinical manifestations. The first two stages are presented combined as “Primary and Secondary Syphilis,” and represent the most infectious stages of syphilis. “Early Syphilis” combines primary and secondary syphilis diagnoses with syphilis diagnosed within the first year of infection that had progressed past the primary and secondary stages (aka “early non- primary non-secondary”). Individuals diagnosed with “early non-primary non-secondary” may or may not have been experiencing clinical manifestations of syphilis at the time of their diagnosis.

Syphilis data presented in this surveillance report represent confirmed or probable cases according to the [case definitions](#)⁵ for syphilis.

Congenital syphilis occurs in infants who acquire the infection from pregnant persons with syphilis infection. Congenital syphilis can cause severe medical complications during pregnancy, and result in birth defects and/or death to the fetus/infant.

Congenital syphilis data presented in this surveillance report represent confirmed or probable cases according to the [case definition](#)⁶.

Sexually Transmitted Infection Description: Gonorrhea

[Gonorrhea](#)⁷ is a sexually transmitted caused by the bacterium *Neisseria gonorrhoeae* and is spread through oral, anal, or vaginal sex with a partner with gonorrhea infection. Gonorrhea can also be passed from mother to infant during vaginal delivery.

Vaginal symptoms, which usually begin within 5 to 60 days of transmission, may include unusual discharge, spotting, and inflammation of the vulva. Penile symptoms can include thick discharge from the urethra, painful urination, and redness and swelling of the urethral opening.

If left untreated, gonorrhea may progress to an infection of the female reproductive organs called pelvic inflammatory disease or PID which can cause abscesses and scar tissues thereby increasing the risk of infertility, miscarriage, and ectopic pregnancy. In rare cases, untreated gonorrhea in men may cause severe pain and swelling in the testicles, resulting in sterility.

Gonorrhea can spread throughout the body and increase the risk for contracting HIV. Gonorrhea can be cured with [antibiotics](#)⁸; however, [antimicrobial resistant gonorrhea](#)⁹ is increasingly a concern. Owing to concerns related to antimicrobial resistant gonorrhea, the Centers for Disease Control and Prevention (CDC) [updated treatment recommendations](#)¹⁰ for uncomplicated gonorrhea to a single 500 mg intramuscular dose of ceftriaxone. [Partner treatment](#)¹⁴ is crucial for the prevention of repeat infections.

Gonorrhea data presented in this surveillance report represent confirmed or probable cases according to the [case definition](#)¹¹.

Sexually Transmitted Infection Description: Chlamydia

[Chlamydia](#)¹² is a sexually transmitted infection caused by the bacterium *Chlamydia trachomatis* and is spread through oral, anal, or vaginal sex with a partner with chlamydia infection. It is the most common notifiable infection in the United States. Chlamydia may pass from mother to infant during vaginal delivery.

Most people who are infected with chlamydia have no outward symptoms. If symptoms are present, they may appear one to three weeks after transmission. Vaginal symptoms may include discharge, burning urination, and spotting. Penile symptoms may include urethral discharge, pain when urinating, and inflammation of the testicles which may result in sterility. Infection may occur in the rectum after anal sex with a partner with chlamydia infection, or spread from another infected area, such as the vagina.

Untreated chlamydial infections may lead to an infection of the female reproductive organs called pelvic inflammatory disease or PID which can cause abscesses and scar tissues, thereby increasing the risk of infertility, miscarriage, and ectopic pregnancy.

Chlamydia infection increases the likelihood of contracting other sexually transmitted infection, such as gonorrhea or HIV. Chlamydia can be cured with common [antibiotics](#)¹³. [Partner treatment](#)¹⁴ is crucial for the prevention of repeat infections.

Chlamydia data presented in this surveillance report represent confirmed cases according to the [case definition](#)¹⁵.

Figure 1. Sexually Transmitted Infection Diagnoses By Age, New York State, 2022

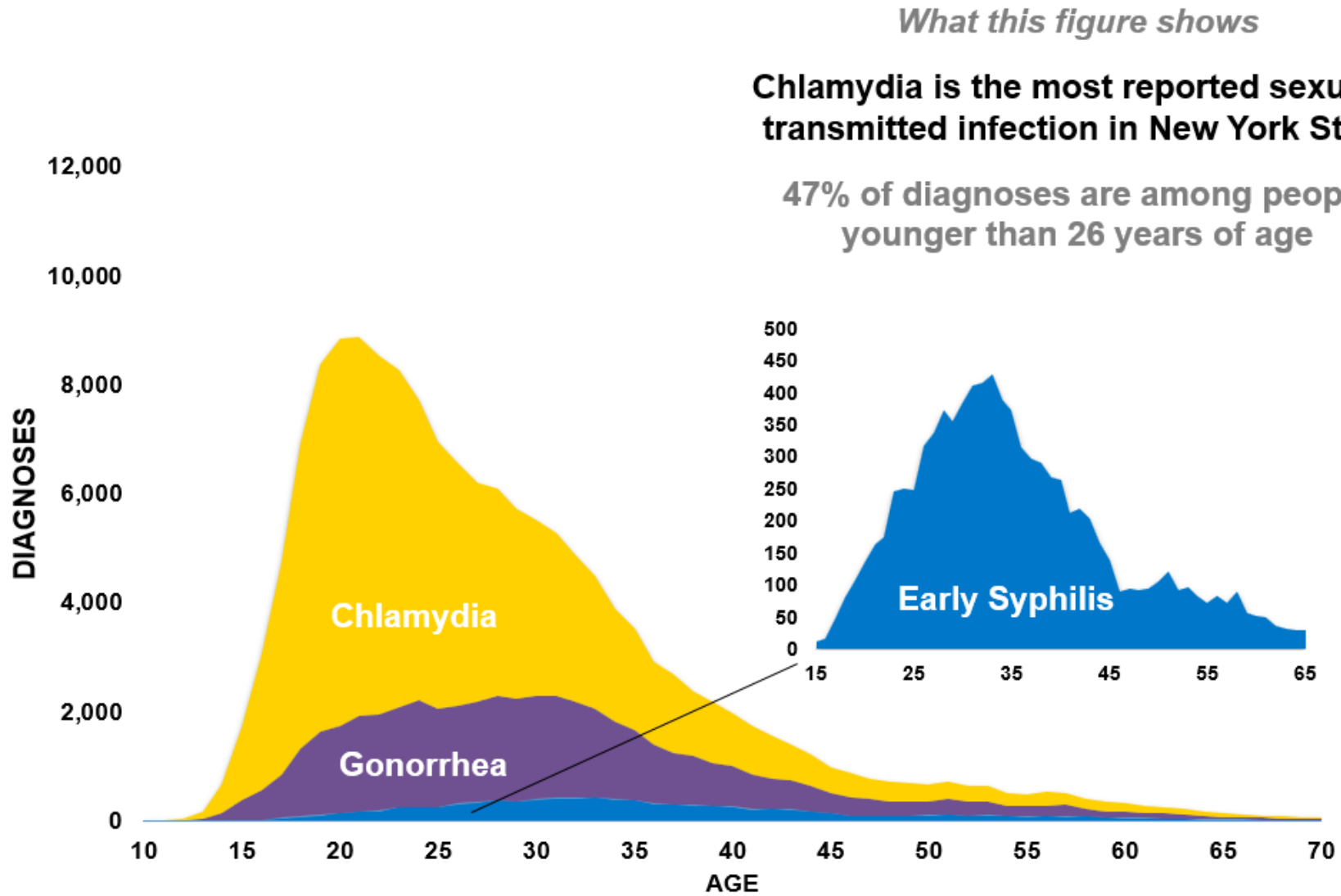


Table 1. Sexually Transmitted Infections by Region/County, New York State, 2022

| Region/County | Early Syphilis | | Gonorrhea | | Chlamydia | |
|-----------------------------|----------------|-------|-----------|-------|-----------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 9,270 | 49.5 | 43,368 | 230.9 | 103,689 | 553.4 |
| New York City (NYC) | 6,781 | 80.2 | 29,307 | 348.7 | 63,842 | 789.0 |
| Bronx | 1,656 | 124.8 | 5,499 | 401.2 | 14,980 | 1,083.4 |
| Kings | 1,839 | 68.8 | 9,099 | 342.9 | 19,353 | 770.8 |
| New York | 1,894 | 107.5 | 9,445 | 526.6 | 14,594 | 859.1 |
| Queens | 1,292 | 58.6 | 4,736 | 221.4 | 13,367 | 647.2 |
| Richmond | 100 | 22.0 | 528 | 117.1 | 1,548 | 345.3 |
| NYS excl. NYC | 2,489 | 23.6 | 14,061 | 134.3 | 39,847 | 372.5 |
| Buffalo Region | 216 | 15.2 | 3,071 | 216.4 | 5,852 | 412.6 |
| Allegany | 1 | 3.3 | 19 | 47.1 | 98 | 193.7 |
| Cattaraugus | 2 | 3.6 | 40 | 63.6 | 178 | 262.5 |
| Chautauqua | 10 | 9.2 | 211 | 197.2 | 434 | 392.0 |
| Erie | 163 | 18.1 | 2,380 | 265.4 | 4,113 | 464.8 |
| Genesee | 4 | 7.7 | 42 | 86.8 | 126 | 257.7 |
| Niagara | 27 | 14.2 | 352 | 193.2 | 760 | 422.0 |
| Orleans | 7 | 20.9 | 21 | 61.8 | 86 | 249.2 |
| Wyoming | 2 | 5.8 | 6 | 18.9 | 57 | 172.0 |
| Capital Region | 230 | 16.2 | 2,181 | 154.7 | 4,322 | 297.4 |
| Albany | 104 | 34.0 | 903 | 275.1 | 1,481 | 418.6 |
| Clinton | 12 | 17.0 | 29 | 36.1 | 172 | 209.3 |
| Columbia | 11 | 16.7 | 48 | 104.6 | 124 | 273.1 |
| Delaware | 2 | 4.8 | 18 | 51.6 | 104 | 271.3 |
| Essex | 2 | 4.9 | 5 | 14.6 | 34 | 127.7 |
| Franklin | 1 | 2.4 | 8 | 18.2 | 67 | 165.1 |
| Fulton | 2 | 4.5 | 82 | 186.9 | 144 | 328.8 |
| Greene | 2 | 2.0 | 34 | 83.8 | 87 | 217.4 |
| Hamilton | - | - | - | - | 4 | 105.5 |
| Montgomery | 3 | 7.2 | 44 | 105.0 | 104 | 239.8 |
| Otsego | 5 | 11.0 | 40 | 65.0 | 154 | 191.0 |
| Rensselaer | 30 | 18.9 | 317 | 205.1 | 539 | 348.8 |
| Saratoga | 20 | 9.2 | 126 | 59.5 | 352 | 172.0 |
| Schenectady | 30 | 18.3 | 479 | 315.7 | 679 | 439.0 |
| Schoharie | 4 | 13.0 | 9 | 34.3 | 40 | 148.5 |
| Warren | 2 | 3.5 | 21 | 38.0 | 140 | 261.4 |
| Washington | - | - | 18 | 34.9 | 97 | 194.1 |

Rates are per 100,000 persons, and age-adjusted.

| Region/County | Early Syphilis | | Gonorrhea | | Chlamydia | |
|-------------------------|----------------|------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 240 | 15.3 | 2,234 | 134.8 | 6,073 | 345.6 |
| Broome | 12 | 7.2 | 180 | 101.1 | 612 | 297.2 |
| Cayuga | 6 | 9.9 | 63 | 97.9 | 190 | 298.9 |
| Chenango | 3 | 8.5 | 34 | 89.2 | 99 | 262.3 |
| Cortland | 3 | 8.9 | 39 | 75.3 | 134 | 245.7 |
| Herkimer | - | - | 31 | 60.6 | 123 | 243.0 |
| Jefferson | 12 | 11.1 | 150 | 119.3 | 685 | 492.4 |
| Lewis | 1 | 3.8 | 8 | 37.7 | 33 | 149.6 |
| Madison | 9 | 15.7 | 27 | 44.4 | 106 | 160.8 |
| Oneida | 25 | 12.3 | 285 | 137.0 | 781 | 369.5 |
| Onondaga | 124 | 28.2 | 1,175 | 266.0 | 2,333 | 517.0 |
| Oswego | 8 | 7.5 | 77 | 69.0 | 256 | 219.8 |
| St Lawrence | 5 | 5.0 | 24 | 22.2 | 235 | 202.3 |
| Tioga | 1 | 1.4 | 32 | 82.7 | 108 | 276.8 |
| Tompkins | 31 | 29.5 | 109 | 77.9 | 378 | 246.3 |
| Rochester Region | 584 | 49.1 | 2,709 | 232.6 | 6,173 | 521.7 |
| Chemung | 22 | 32.1 | 262 | 365.2 | 459 | 643.2 |
| Livingston | 6 | 13.8 | 15 | 27.4 | 98 | 147.1 |
| Monroe | 496 | 68.1 | 2,170 | 301.6 | 4,733 | 646.8 |
| Ontario | 22 | 19.9 | 60 | 63.0 | 247 | 246.0 |
| Schuyler | 5 | 33.6 | 13 | 96.4 | 43 | 325.8 |
| Seneca | 5 | 17.9 | 15 | 51.1 | 66 | 237.7 |
| Steuben | 3 | 4.0 | 81 | 105.3 | 194 | 253.0 |
| Wayne | 22 | 26.8 | 86 | 112.7 | 293 | 399.1 |
| Yates | 3 | 15.0 | 7 | 35.5 | 40 | 193.6 |
| Hudson Valley | 488 | 22.1 | 1,860 | 85.9 | 7,940 | 359.8 |
| Dutchess | 65 | 23.5 | 281 | 102.7 | 944 | 334.2 |
| Orange | 101 | 26.7 | 292 | 74.2 | 1,380 | 340.4 |
| Putnam | 15 | 15.9 | 32 | 37.5 | 178 | 210.3 |
| Rockland | 51 | 17.8 | 168 | 56.6 | 960 | 305.0 |
| Sullivan | 22 | 30.3 | 45 | 63.1 | 213 | 305.1 |
| Ulster | 34 | 19.2 | 130 | 81.2 | 465 | 284.3 |
| Westchester | 200 | 22.0 | 912 | 103.7 | 3,800 | 429.2 |
| Long Island | 731 | 27.2 | 2,006 | 75.8 | 9,487 | 356.7 |
| Nassau | 321 | 25.6 | 893 | 72.1 | 4,292 | 346.6 |
| Suffolk | 410 | 28.7 | 1,113 | 79.2 | 5,195 | 365.6 |

Figure 2. Early Syphilis by Year, New York State, 1960 - 2022

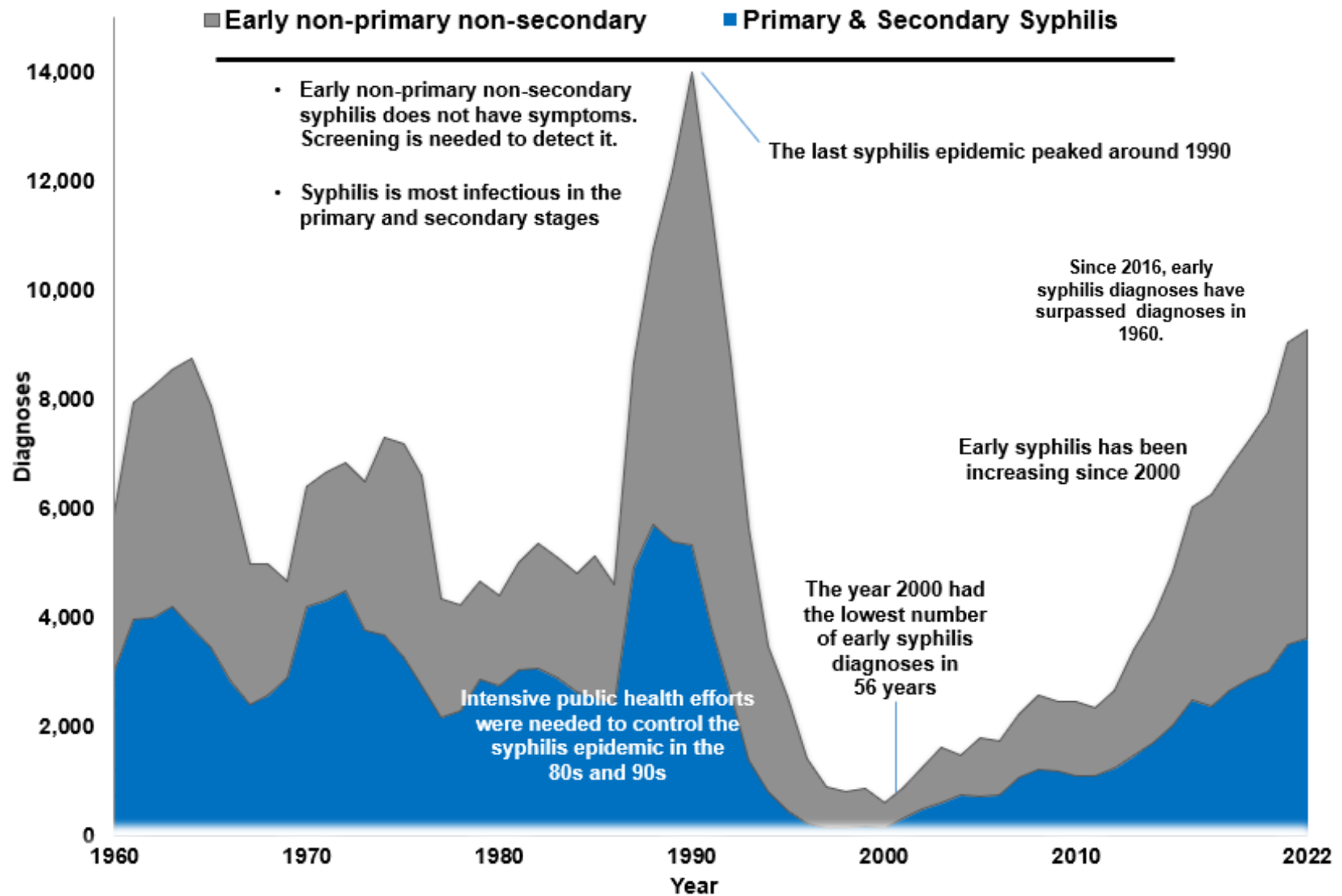
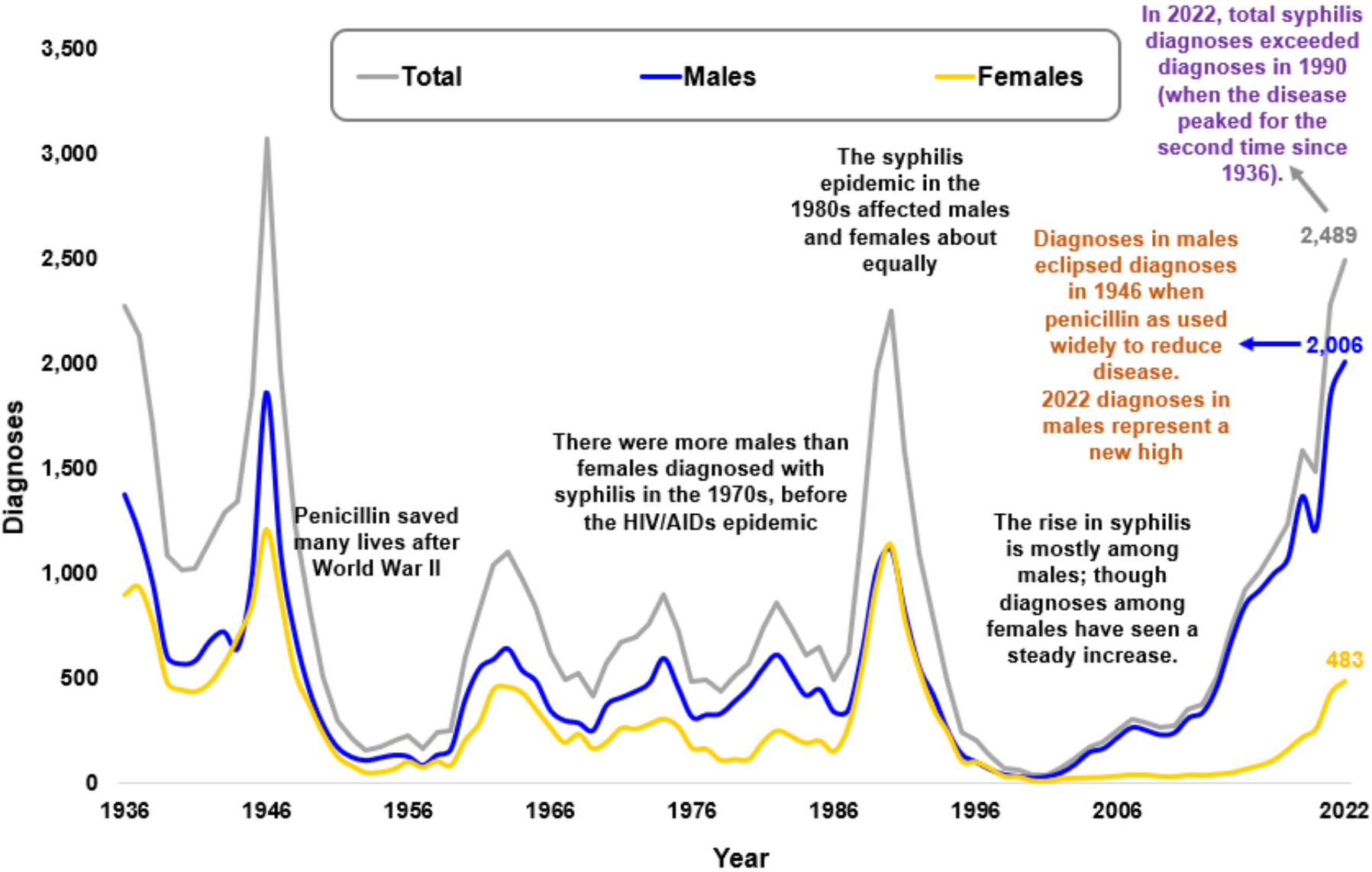
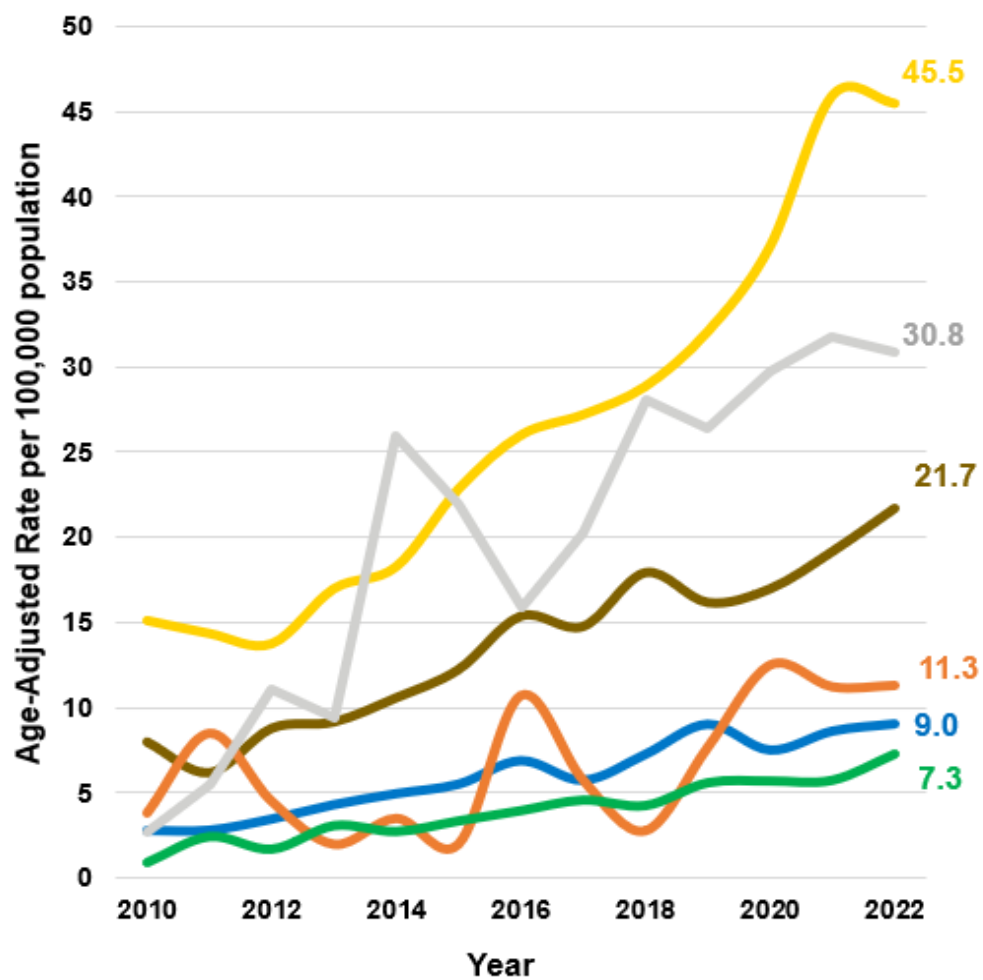


Figure 3. Early Syphilis by Year and Sex, New York State excluding New York City, 1936 - 2022



**Figure 4. Primary and Secondary Syphilis Rates by Race/Ethnicity and Year
New York State, 2010 - 2022**



What this figure shows

Persons of color (specifically **Non-Hispanic Black, Multi-race, Hispanic and Native American/Indigenous**) continue to experience the highest rates of primary and secondary syphilis

Number and Proportion of Diagnoses in 2022

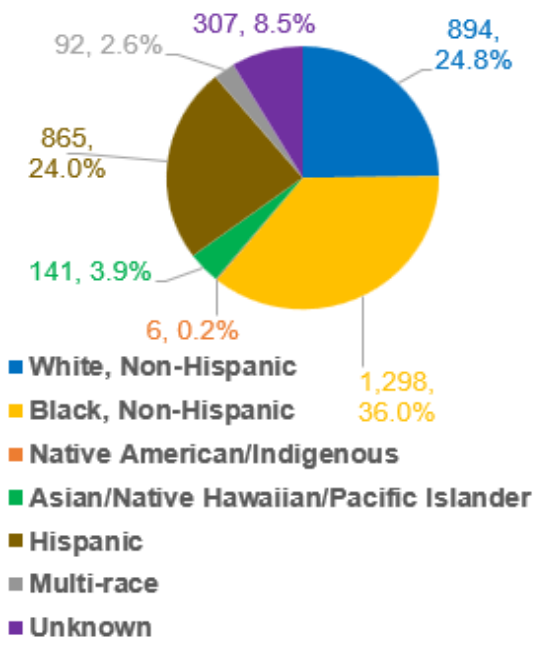
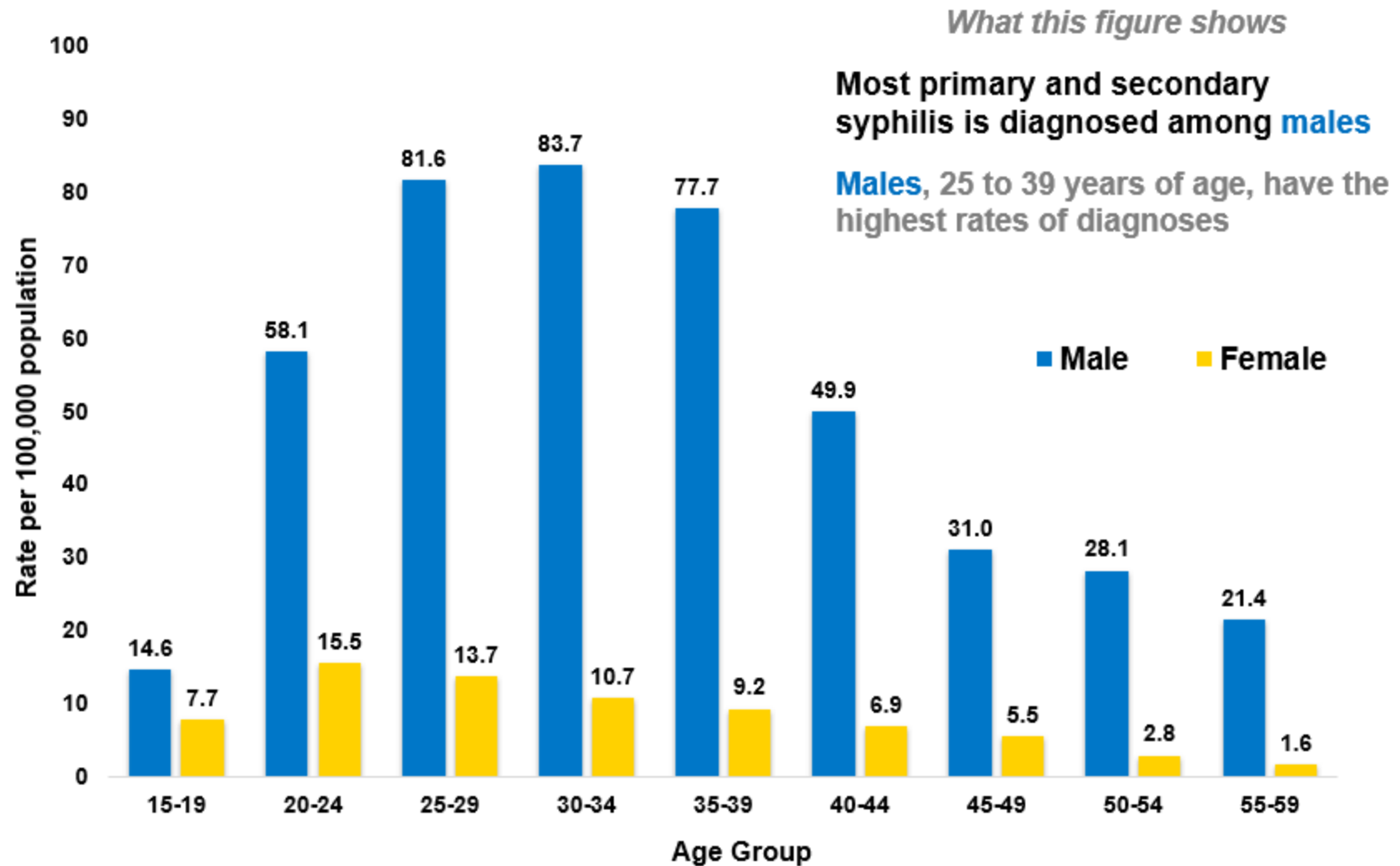
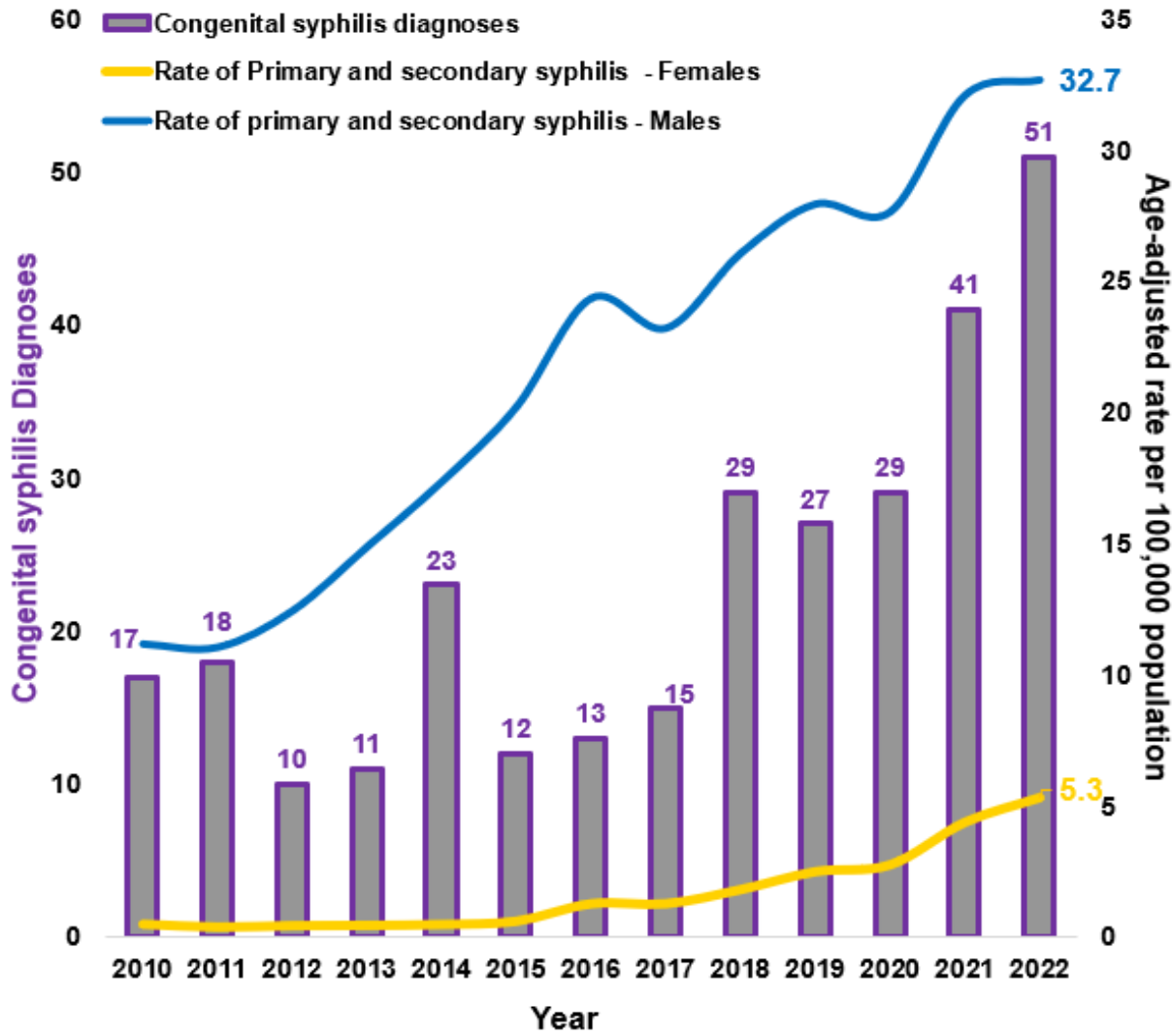


Figure 5. Primary and Secondary Syphilis Rates by Age and Sex, New York State, 2022



**Figure 6. Congenital Syphilis Diagnoses with Primary & Secondary Syphilis Rates
New York State, 2010 - 2022**



What this figure shows

The number of congenital syphilis diagnoses increased to 51 in 2022 from 41 in 2021.

The rate of primary and secondary syphilis among **females** has increased 194% in the past 5 years (1.8 to 5.3 per 100,000)

Table 2. Syphilis by Region/County, New York State, 2022

| Region/County | Primary and Secondary Syphilis | | Early Non-Primary Non-Secondary Syphilis | | Unknown Duration or Late Syphilis | |
|-----------------------------|--------------------------------|------|--|------|-----------------------------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 3,603 | 19.1 | 5,667 | 30.4 | 4,358 | 22.8 |
| New York City (NYC) | 2,300 | 27.2 | 4,481 | 53.0 | 3,293 | 38.8 |
| Bronx | 506 | 37.7 | 1,150 | 87.0 | 704 | 52.2 |
| Kings | 630 | 23.6 | 1,209 | 45.2 | 971 | 36.5 |
| New York | 661 | 37.3 | 1,233 | 70.2 | 708 | 39.8 |
| Queens | 452 | 20.5 | 840 | 38.1 | 843 | 38.5 |
| Richmond | 51 | 11.0 | 49 | 11.1 | 67 | 14.6 |
| NYS excl. NYC | 1,303 | 12.3 | 1,186 | 11.3 | 1,065 | 9.3 |
| Buffalo Region | 112 | 8.0 | 104 | 7.3 | 148 | 9.5 |
| Allegany | 1 | 3.3 | - | - | 2 | 4.3 |
| Cattaraugus | 2 | 3.6 | - | - | 2 | 3.2 |
| Chautauqua | 5 | 4.5 | 5 | 4.7 | 7 | 5.9 |
| Erie | 85 | 9.5 | 78 | 8.6 | 109 | 11.3 |
| Genesee | 3 | 6.8 | 1 | 0.9 | 5 | 8.3 |
| Niagara | 13 | 6.6 | 14 | 7.6 | 15 | 6.7 |
| Orleans | 2 | 6.4 | 5 | 14.5 | 5 | 11.7 |
| Wyoming | 1 | 3.1 | 1 | 2.6 | 3 | 7.5 |
| Capital Region | 144 | 10.1 | 86 | 6.1 | 75 | 5.0 |
| Albany | 74 | 23.8 | 30 | 10.1 | 32 | 9.7 |
| Clinton | 7 | 9.8 | 5 | 7.2 | 1 | 0.7 |
| Columbia | 8 | 12.4 | 3 | 4.3 | 1 | 0.7 |
| Delaware | 1 | 3.4 | 1 | 1.5 | 1 | 1.2 |
| Essex | 1 | 3.8 | 1 | 1.1 | - | - |
| Franklin | 1 | 2.4 | - | - | - | - |
| Fulton | 1 | 2.3 | 1 | 2.3 | - | - |
| Greene | 2 | 2.0 | - | - | 5 | 11.3 |
| Montgomery | 3 | 7.2 | - | - | 2 | 3.8 |
| Otsego | - | - | 5 | 11.0 | 3 | 7.7 |
| Rensselaer | 12 | 7.0 | 18 | 11.9 | 5 | 3.2 |
| Saratoga | 14 | 6.6 | 6 | 2.6 | 5 | 2.0 |
| Schenectady | 14 | 8.8 | 16 | 9.5 | 19 | 12.1 |
| Schoharie | 4 | 13.0 | - | - | - | - |
| Warren | 2 | 3.5 | - | - | 1 | 2.0 |

Rates are per 100,000 persons, and age-adjusted.

| Region/County | Primary and Secondary Syphilis | | Early Non-Primary Non-Secondary Syphilis | | Unknown Duration or Late Syphilis | |
|-------------------------|--------------------------------|------|--|------|-----------------------------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 144 | 9.0 | 96 | 6.3 | 133 | 8.0 |
| Broome | 9 | 5.4 | 3 | 1.9 | 13 | 7.0 |
| Cayuga | 2 | 3.3 | 4 | 6.7 | 4 | 4.8 |
| Chenango | 2 | 5.5 | 1 | 3.0 | 4 | 9.6 |
| Cortland | 3 | 8.9 | - | - | 2 | 5.0 |
| Herkimer | - | - | - | - | 1 | 0.8 |
| Jefferson | 8 | 8.3 | 4 | 2.9 | 2 | 1.6 |
| Lewis | - | - | 1 | 3.8 | 1 | 5.4 |
| Madison | 7 | 12.1 | 2 | 3.6 | 2 | 2.5 |
| Oneida | 12 | 6.0 | 13 | 6.3 | 23 | 10.2 |
| Onondaga | 79 | 17.9 | 45 | 10.3 | 68 | 15.1 |
| Oswego | 3 | 2.3 | 5 | 5.1 | 5 | 3.2 |
| St Lawrence | 2 | 1.4 | 3 | 3.6 | 5 | 6.3 |
| Tioga | 1 | 1.4 | - | - | 1 | 2.9 |
| Tompkins | 16 | 12.7 | 15 | 16.8 | 2 | 1.5 |
| Rochester Region | 388 | 32.6 | 196 | 16.5 | 211 | 17.0 |
| Chemung | 8 | 11.6 | 14 | 20.5 | 18 | 25.7 |
| Livingston | 4 | 9.4 | 2 | 4.3 | 1 | 1.1 |
| Monroe | 334 | 45.9 | 162 | 22.2 | 159 | 20.7 |
| Ontario | 13 | 12.8 | 9 | 7.1 | 9 | 8.7 |
| Schuyler | 4 | 26.6 | 1 | 7.0 | - | - |
| Seneca | 4 | 14.8 | 1 | 3.1 | 4 | 14.4 |
| Steuben | - | - | 3 | 4.0 | 6 | 7.7 |
| Wayne | 19 | 22.5 | 3 | 4.4 | 12 | 13.7 |
| Yates | 2 | 8.6 | 1 | 6.4 | 2 | 11.0 |
| Hudson Valley | 246 | 11.0 | 242 | 11.1 | 271 | 11.6 |
| Dutchess | 31 | 11.1 | 34 | 12.4 | 11 | 3.2 |
| Orange | 60 | 15.9 | 41 | 10.8 | 23 | 6.0 |
| Putnam | 7 | 6.8 | 8 | 9.1 | 13 | 12.0 |
| Rockland | 19 | 6.5 | 32 | 11.3 | 39 | 12.1 |
| Sullivan | 8 | 10.6 | 14 | 19.7 | 7 | 8.6 |
| Ulster | 11 | 6.6 | 23 | 12.6 | 18 | 8.8 |
| Westchester | 110 | 11.9 | 90 | 10.1 | 160 | 17.2 |
| Long Island | 269 | 10.0 | 462 | 17.2 | 227 | 7.1 |
| Nassau | 130 | 10.4 | 191 | 15.2 | 133 | 9.0 |
| Suffolk | 139 | 9.7 | 271 | 19.0 | 94 | 5.4 |

Table 3. Early Syphilis by Region/County and Sex, New York State, 2022

| Region/County | Male | | Female | | Total | |
|-----------------------------|-----------|-------|-----------|------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 8,048 | 85.9 | 1,113 | 12.0 | 9,270 | 49.5 |
| New York City (NYC) | 6,042 | 145.1 | 630 | 15.1 | 6,781 | 80.2 |
| Bronx | 1,386 | 218.8 | 223 | 31.9 | 1,656 | 124.8 |
| Kings | 1,640 | 125.8 | 178 | 13.7 | 1,839 | 68.8 |
| New York | 1,784 | 204.5 | 89 | 9.7 | 1,894 | 107.5 |
| Queens | 1,142 | 102.7 | 131 | 12.6 | 1,292 | 58.6 |
| Richmond | 90 | 39.1 | 9 | 4.2 | 100 | 22.0 |
| NYS excl. NYC | 2,006 | 37.3 | 483 | 9.6 | 2,489 | 23.6 |
| Buffalo Region | 200 | 27.9 | 16 | 2.2 | 216 | 15.2 |
| Allegany | 1 | 6.5 | - | - | 1 | 3.3 |
| Cattaraugus | 2 | 7.0 | - | - | 2 | 3.6 |
| Chautauqua | 9 | 16.6 | 1 | 1.6 | 10 | 9.2 |
| Erie | 154 | 34.2 | 9 | 2.0 | 163 | 18.1 |
| Genesee | 4 | 14.8 | - | - | 4 | 7.7 |
| Niagara | 25 | 26.7 | 2 | 1.5 | 27 | 14.2 |
| Orleans | 3 | 17.2 | 4 | 25.0 | 7 | 20.9 |
| Wyoming | 2 | 9.9 | - | - | 2 | 5.8 |
| Capital Region | 175 | 23.8 | 55 | 8.3 | 230 | 16.2 |
| Albany | 73 | 49.4 | 31 | 18.4 | 104 | 34.0 |
| Clinton | 7 | 17.1 | 5 | 17.6 | 12 | 17.0 |
| Columbia | 11 | 32.9 | - | - | 11 | 16.7 |
| Delaware | 2 | 9.6 | - | - | 2 | 4.8 |
| Essex | 2 | 9.0 | - | - | 2 | 4.9 |
| Franklin | 1 | 4.3 | - | - | 1 | 2.4 |
| Fulton | 1 | 4.4 | 1 | 4.6 | 2 | 4.5 |
| Greene | 2 | 3.9 | - | - | 2 | 2.0 |
| Montgomery | 3 | 14.6 | - | - | 3 | 7.2 |
| Otsego | 4 | 16.2 | 1 | 5.7 | 5 | 11.0 |
| Rensselaer | 22 | 26.6 | 8 | 11.1 | 30 | 18.9 |
| Saratoga | 18 | 16.2 | 2 | 1.9 | 20 | 9.2 |
| Schenectady | 24 | 28.2 | 6 | 8.5 | 30 | 18.3 |
| Schoharie | 4 | 25.3 | - | - | 4 | 13.0 |
| Warren | 1 | 3.4 | 1 | 3.6 | 2 | 3.5 |

Rates are per 100,000 persons, and age-adjusted.

| Region/County | Male | | Female | | Total | |
|-------------------------|-----------|------|-----------|------|-----------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 198 | 24.5 | 42 | 5.8 | 240 | 15.3 |
| Broome | 10 | 11.8 | 2 | 2.5 | 12 | 7.2 |
| Cayuga | 4 | 12.9 | 2 | 6.7 | 6 | 9.9 |
| Chenango | 3 | 16.6 | - | - | 3 | 8.5 |
| Cortland | 2 | 11.2 | 1 | 6.5 | 3 | 8.9 |
| Jefferson | 10 | 18.0 | 2 | 3.8 | 12 | 11.1 |
| Lewis | 1 | 7.2 | - | - | 1 | 3.8 |
| Madison | 8 | 27.0 | 1 | 4.3 | 9 | 15.7 |
| Oneida | 17 | 16.0 | 8 | 8.2 | 25 | 12.3 |
| Onondaga | 102 | 46.1 | 22 | 10.8 | 124 | 28.2 |
| Oswego | 8 | 14.5 | - | - | 8 | 7.5 |
| St Lawrence | 5 | 9.6 | - | - | 5 | 5.0 |
| Tioga | 1 | 2.8 | - | - | 1 | 1.4 |
| Tompkins | 27 | 53.3 | 4 | 6.2 | 31 | 29.5 |
| Rochester Region | 395 | 65.3 | 189 | 33.3 | 584 | 49.1 |
| Chemung | 20 | 57.4 | 2 | 5.6 | 22 | 32.1 |
| Livingston | 5 | 21.8 | 1 | 5.0 | 6 | 13.8 |
| Monroe | 331 | 90.8 | 165 | 46.6 | 496 | 68.1 |
| Ontario | 14 | 24.5 | 8 | 15.4 | 22 | 19.9 |
| Schuyler | 3 | 34.9 | 2 | 31.5 | 5 | 33.6 |
| Seneca | 4 | 26.6 | 1 | 9.3 | 5 | 17.9 |
| Steuben | 3 | 8.0 | - | - | 3 | 4.0 |
| Wayne | 13 | 28.1 | 9 | 25.6 | 22 | 26.8 |
| Yates | 2 | 20.4 | 1 | 9.5 | 3 | 15.0 |
| Hudson Valley | 409 | 36.5 | 79 | 7.4 | 488 | 22.1 |
| Dutchess | 47 | 33.1 | 18 | 13.4 | 65 | 23.5 |
| Orange | 76 | 39.6 | 25 | 13.3 | 101 | 26.7 |
| Putnam | 15 | 30.6 | - | - | 15 | 15.9 |
| Rockland | 49 | 33.7 | 2 | 1.5 | 51 | 17.8 |
| Sullivan | 14 | 34.0 | 8 | 26.0 | 22 | 30.3 |
| Ulster | 33 | 36.1 | 1 | 1.3 | 34 | 19.2 |
| Westchester | 175 | 38.5 | 25 | 5.5 | 200 | 22.0 |
| Long Island | 629 | 46.1 | 102 | 7.7 | 731 | 27.2 |
| Nassau | 266 | 42.0 | 55 | 8.8 | 321 | 25.6 |
| Suffolk | 363 | 49.8 | 47 | 6.7 | 410 | 28.7 |

Table 4. Primary and Secondary Syphilis by Region/County and Sex, New York State, 2022

| Region/County | Male | | Female | | Total | |
|-----------------------------|-----------|------|-----------|------|-----------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 3,090 | 32.7 | 490 | 5.3 | 3,603 | 19.1 |
| New York City (NYC) | 2,025 | 48.6 | 252 | 6.0 | 2,300 | 27.2 |
| Bronx | 413 | 64.5 | 82 | 11.6 | 506 | 37.7 |
| Kings | 549 | 42.1 | 77 | 5.9 | 630 | 23.6 |
| New York | 618 | 70.8 | 37 | 3.8 | 661 | 37.3 |
| Queens | 399 | 35.8 | 51 | 5.0 | 452 | 20.5 |
| Richmond | 46 | 19.4 | 5 | 2.4 | 51 | 11.0 |
| NYS excl. NYC | 1,065 | 19.6 | 238 | 4.7 | 1,303 | 12.3 |
| Buffalo Region | 106 | 14.9 | 6 | 0.9 | 112 | 8.0 |
| Allegany | 1 | 6.5 | - | - | 1 | 3.3 |
| Cattaraugus | 2 | 7.0 | - | - | 2 | 3.6 |
| Chautauqua | 5 | 8.9 | - | - | 5 | 4.5 |
| Erie | 80 | 17.9 | 5 | 1.1 | 85 | 9.5 |
| Genesee | 3 | 13.1 | - | - | 3 | 6.8 |
| Niagara | 13 | 13.0 | - | - | 13 | 6.6 |
| Orleans | 1 | 7.0 | 1 | 6.1 | 2 | 6.4 |
| Wyoming | 1 | 5.5 | - | - | 1 | 3.1 |
| Capital Region | 117 | 16.1 | 27 | 3.9 | 144 | 10.1 |
| Albany | 53 | 35.5 | 21 | 12.2 | 74 | 23.8 |
| Clinton | 5 | 12.5 | 2 | 7.0 | 7 | 9.8 |
| Columbia | 8 | 24.4 | - | - | 8 | 12.4 |
| Delaware | 1 | 6.6 | - | - | 1 | 3.4 |
| Essex | 1 | 6.9 | - | - | 1 | 3.8 |
| Franklin | 1 | 4.3 | - | - | 1 | 2.4 |
| Fulton | 1 | 4.4 | - | - | 1 | 2.3 |
| Greene | 2 | 3.9 | - | - | 2 | 2.0 |
| Montgomery | 3 | 14.6 | - | - | 3 | 7.2 |
| Rensselaer | 12 | 13.8 | - | - | 12 | 7.0 |
| Saratoga | 12 | 11.0 | 2 | 1.9 | 14 | 6.6 |
| Schenectady | 13 | 16.1 | 1 | 1.3 | 14 | 8.8 |
| Schoharie | 4 | 25.3 | - | - | 4 | 13.0 |
| Warren | 1 | 3.4 | 1 | 3.6 | 2 | 3.5 |

| Region/County | Male | | Female | | Total | |
|-------------------------|-----------|------|-----------|------|-----------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 121 | 14.6 | 23 | 3.2 | 144 | 9.0 |
| Broome | 8 | 9.2 | 1 | 1.4 | 9 | 5.4 |
| Cayuga | 2 | 6.2 | - | - | 2 | 3.3 |
| Chenango | 2 | 10.8 | - | - | 2 | 5.5 |
| Cortland | 2 | 11.2 | 1 | 6.5 | 3 | 8.9 |
| Jefferson | 6 | 12.5 | 2 | 3.8 | 8 | 8.3 |
| Madison | 6 | 19.7 | 1 | 4.3 | 7 | 12.1 |
| Oneida | 10 | 9.4 | 2 | 2.2 | 12 | 6.0 |
| Onondaga | 66 | 29.6 | 13 | 6.5 | 79 | 17.9 |
| Oswego | 3 | 4.4 | - | - | 3 | 2.3 |
| St Lawrence | 2 | 2.8 | - | - | 2 | 1.4 |
| Tioga | 1 | 2.8 | - | - | 1 | 1.4 |
| Tompkins | 13 | 22.3 | 3 | 3.4 | 16 | 12.7 |
| Rochester Region | 271 | 44.5 | 117 | 21.0 | 388 | 32.6 |
| Chemung | 6 | 17.5 | 2 | 5.6 | 8 | 11.6 |
| Livingston | 4 | 18.0 | - | - | 4 | 9.4 |
| Monroe | 234 | 64.0 | 100 | 28.6 | 334 | 45.9 |
| Ontario | 10 | 18.8 | 3 | 6.7 | 13 | 12.8 |
| Schuyler | 2 | 21.6 | 2 | 31.5 | 4 | 26.6 |
| Seneca | 3 | 20.6 | 1 | 9.3 | 4 | 14.8 |
| Wayne | 11 | 22.1 | 8 | 22.9 | 19 | 22.5 |
| Yates | 1 | 8.0 | 1 | 9.5 | 2 | 8.6 |
| Hudson Valley | 209 | 18.5 | 37 | 3.4 | 246 | 11.0 |
| Dutchess | 24 | 17.0 | 7 | 5.0 | 31 | 11.1 |
| Orange | 47 | 24.4 | 13 | 7.0 | 60 | 15.9 |
| Putnam | 7 | 13.2 | - | - | 7 | 6.8 |
| Rockland | 18 | 12.1 | 1 | 0.9 | 19 | 6.5 |
| Sullivan | 6 | 14.5 | 2 | 6.3 | 8 | 10.6 |
| Ulster | 11 | 12.8 | - | - | 11 | 6.6 |
| Westchester | 96 | 20.9 | 14 | 2.9 | 110 | 11.9 |
| Long Island | 241 | 17.6 | 28 | 2.1 | 269 | 10.0 |
| Nassau | 112 | 17.7 | 18 | 2.9 | 130 | 10.4 |
| Suffolk | 129 | 17.7 | 10 | 1.4 | 139 | 9.7 |

Rates are per 100,000 persons, and age-adjusted.

Table 5. Early Syphilis by Region and Sex and Age, New York State, 2022

| Age(years) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------------|----------------------|-------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Male | | | | | | |
| 10-14 | 2 | 0.3 | 0 | 0.0 | 2 | 0.6 |
| 15-19 | 165 | 27.1 | 102 | 44.8 | 63 | 16.5 |
| 20-24 | 740 | 113.4 | 472 | 188.2 | 268 | 66.7 |
| 25-29 | 1,387 | 205.1 | 1,052 | 325.3 | 335 | 95.0 |
| 30-34 | 1,812 | 254.4 | 1,468 | 414.6 | 344 | 96.0 |
| 35-39 | 1,379 | 209.3 | 1,129 | 371.3 | 250 | 70.5 |
| 40-44 | 958 | 156.7 | 773 | 291.6 | 185 | 53.4 |
| 45-49 | 453 | 80.2 | 325 | 134.5 | 128 | 39.6 |
| 50-54 | 461 | 74.1 | 303 | 120.0 | 158 | 42.8 |
| 55-59 | 357 | 55.4 | 244 | 97.3 | 113 | 28.7 |
| 60-64 | 187 | 29.7 | 92 | 39.1 | 95 | 24.0 |
| 65-69 | 92 | 17.3 | 49 | 24.8 | 43 | 12.9 |
| 70+ | 55 | 5.4 | 33 | 8.6 | 22 | 3.4 |
| Female | | | | | | |
| 10-14 | 2 | 0.4 | 0 | 0.0 | 2 | 0.6 |
| 15-19 | 97 | 16.6 | 60 | 27.1 | 37 | 10.2 |
| 20-24 | 216 | 33.1 | 117 | 43.7 | 99 | 25.8 |
| 25-29 | 224 | 33.0 | 135 | 39.0 | 89 | 26.8 |
| 30-34 | 189 | 27.0 | 98 | 27.5 | 91 | 26.5 |
| 35-39 | 148 | 22.7 | 90 | 29.5 | 58 | 16.8 |
| 40-44 | 93 | 15.2 | 59 | 21.5 | 34 | 10.1 |
| 45-49 | 56 | 9.7 | 26 | 10.1 | 30 | 9.4 |
| 50-54 | 39 | 6.1 | 19 | 7.1 | 20 | 5.4 |
| 55-59 | 20 | 3.0 | 8 | 2.9 | 12 | 3.0 |
| 60-64 | 15 | 2.2 | 10 | 3.8 | 5 | 1.2 |
| 65-69 | 7 | 1.2 | 4 | 1.7 | 3 | 0.8 |
| 70+ | 7 | 0.5 | 4 | 0.7 | 3 | 0.4 |

| Age(years) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------------|----------------------|-------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Total | | | | | | |
| 10-14 | 4 | 0.4 | 0 | 0.0 | 4 | 0.6 |
| 15-19 | 265 | 22.2 | 165 | 36.7 | 100 | 13.4 |
| 20-24 | 971 | 74.4 | 604 | 116.4 | 367 | 46.7 |
| 25-29 | 1,631 | 120.4 | 1,207 | 180.2 | 424 | 61.9 |
| 30-34 | 2,033 | 143.9 | 1,598 | 224.9 | 435 | 62.0 |
| 35-39 | 1,546 | 118.1 | 1,238 | 203.2 | 308 | 44.0 |
| 40-44 | 1,066 | 87.1 | 847 | 157.0 | 219 | 32.0 |
| 45-49 | 512 | 44.8 | 354 | 70.9 | 158 | 24.6 |
| 50-54 | 501 | 39.8 | 323 | 62.0 | 178 | 24.1 |
| 55-59 | 377 | 28.6 | 252 | 48.3 | 125 | 15.7 |
| 60-64 | 202 | 15.5 | 102 | 20.5 | 100 | 12.5 |
| 65-69 | 100 | 8.9 | 54 | 12.5 | 46 | 6.7 |
| 70+ | 62 | 2.5 | 37 | 3.9 | 25 | 1.7 |

Rates are per 100,000 persons

Table 6. Primary and Secondary Syphilis by Region and Sex and Age, New York State, 2022

| Age(years) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------------|----------------------|------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Male | | | | | | |
| 10-14 | 2 | 0.3 | 0 | 0.0 | 2 | 0.6 |
| 15-19 | 89 | 14.6 | 58 | 25.5 | 31 | 8.1 |
| 20-24 | 379 | 58.1 | 213 | 84.9 | 166 | 41.3 |
| 25-29 | 552 | 81.6 | 385 | 119.0 | 167 | 47.3 |
| 30-34 | 596 | 83.7 | 437 | 123.4 | 159 | 44.4 |
| 35-39 | 512 | 77.7 | 377 | 124.0 | 135 | 38.1 |
| 40-44 | 305 | 49.9 | 211 | 79.6 | 94 | 27.1 |
| 45-49 | 175 | 31.0 | 105 | 43.4 | 70 | 21.7 |
| 50-54 | 175 | 28.1 | 91 | 36.0 | 84 | 22.7 |
| 55-59 | 138 | 21.4 | 77 | 30.7 | 61 | 15.5 |
| 60-64 | 89 | 14.1 | 35 | 14.9 | 54 | 13.7 |
| 65-69 | 48 | 9.0 | 22 | 11.1 | 26 | 7.8 |
| 70+ | 30 | 2.9 | 14 | 3.6 | 16 | 2.5 |
| Female | | | | | | |
| 10-14 | 1 | 0.2 | 0 | 0.0 | 1 | 0.3 |
| 15-19 | 45 | 7.7 | 26 | 11.7 | 19 | 5.2 |
| 20-24 | 101 | 15.5 | 52 | 19.4 | 49 | 12.8 |
| 25-29 | 93 | 13.7 | 53 | 15.3 | 40 | 12.0 |
| 30-34 | 75 | 10.7 | 33 | 9.3 | 42 | 12.2 |
| 35-39 | 60 | 9.2 | 35 | 11.5 | 25 | 7.2 |
| 40-44 | 42 | 6.9 | 20 | 7.3 | 22 | 6.5 |
| 45-49 | 32 | 5.5 | 12 | 4.7 | 20 | 6.3 |
| 50-54 | 18 | 2.8 | 7 | 2.6 | 11 | 3.0 |
| 55-59 | 11 | 1.6 | 6 | 2.2 | 5 | 1.2 |
| 60-64 | 6 | 0.9 | 5 | 1.9 | 1 | 0.2 |
| 65-69 | 5 | 0.8 | 3 | 1.3 | 2 | 0.6 |
| 70+ | 1 | 0.1 | 0 | 0.0 | 1 | 0.1 |

| Age(years) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------------|----------------------|------|---------------------|------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Total | | | | | | |
| 10-14 | 3 | 0.3 | 0 | 0.0 | 3 | 0.4 |
| 15-19 | 135 | 11.3 | 85 | 18.9 | 50 | 6.7 |
| 20-24 | 483 | 37.0 | 268 | 51.7 | 215 | 27.4 |
| 25-29 | 651 | 48.1 | 444 | 66.3 | 207 | 30.2 |
| 30-34 | 678 | 48.0 | 477 | 67.1 | 201 | 28.6 |
| 35-39 | 575 | 43.9 | 415 | 68.1 | 160 | 22.9 |
| 40-44 | 350 | 28.6 | 234 | 43.4 | 116 | 16.9 |
| 45-49 | 207 | 18.1 | 117 | 23.4 | 90 | 14.0 |
| 50-54 | 193 | 15.3 | 98 | 18.8 | 95 | 12.9 |
| 55-59 | 149 | 11.3 | 83 | 15.9 | 66 | 8.3 |
| 60-64 | 95 | 7.3 | 40 | 8.0 | 55 | 6.9 |
| 65-69 | 53 | 4.7 | 25 | 5.8 | 28 | 4.1 |
| 70+ | 31 | 1.3 | 14 | 1.5 | 17 | 1.1 |

Rates are per 100,000 persons

Table 7. Early Syphilis by Region/County and Year, New York State, 2020 - 2022

| Region/County | 2020 | | 2021 | | 2022 | |
|-----------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 7,752 | 39.8 | 9,030 | 47.8 | 9,270 | 49.5 |
| New York City (NYC) | 6,274 | 68.3 | 6,756 | 78.6 | 6,781 | 80.2 |
| Bronx | 1,442 | 99.2 | 1,615 | 117.4 | 1,656 | 124.8 |
| Kings | 1,716 | 59.1 | 1,868 | 68.6 | 1,839 | 68.8 |
| New York | 2,008 | 104.9 | 1,998 | 114.9 | 1,894 | 107.5 |
| Queens | 1,024 | 42.8 | 1,170 | 51.8 | 1,292 | 58.6 |
| Richmond | 84 | 18.2 | 105 | 23.4 | 100 | 22.0 |
| NYS excl. NYC | 1,478 | 14.0 | 2,274 | 21.5 | 2,489 | 23.6 |
| Buffalo Region | 134 | 9.1 | 243 | 16.9 | 216 | 15.2 |
| Allegany | 1 | 2.3 | 1 | 3.3 | 1 | 3.3 |
| Cattaraugus | 4 | 5.1 | 1 | 1.6 | 2 | 3.6 |
| Chautauqua | 6 | 6.3 | 8 | 7.4 | 10 | 9.2 |
| Erie | 110 | 11.8 | 206 | 22.7 | 163 | 18.1 |
| Genesee | 1 | 2.3 | 3 | 5.6 | 4 | 7.7 |
| Niagara | 10 | 5.0 | 23 | 11.7 | 27 | 14.2 |
| Orleans | 2 | 5.3 | 1 | 2.9 | 7 | 20.9 |
| Wyoming | - | - | - | - | 2 | 5.8 |
| Capital Region | 184 | 13.0 | 233 | 16.0 | 230 | 16.2 |
| Albany | 75 | 24.5 | 51 | 16.4 | 104 | 34.0 |
| Clinton | - | - | 3 | 2.7 | 12 | 17.0 |
| Columbia | 8 | 16.8 | 5 | 10.7 | 11 | 16.7 |
| Delaware | 1 | 2.9 | 5 | 11.8 | 2 | 4.8 |
| Essex | 1 | 3.7 | 3 | 9.0 | 2 | 4.9 |
| Franklin | 1 | 2.3 | 3 | 7.5 | 1 | 2.4 |
| Fulton | - | - | 4 | 6.7 | 2 | 4.5 |
| Greene | 5 | 9.9 | 10 | 20.8 | 2 | 2.0 |
| Montgomery | 2 | 4.8 | - | - | 3 | 7.2 |
| Otsego | 6 | 12.4 | 7 | 12.5 | 5 | 11.0 |
| Rensselaer | 42 | 26.4 | 38 | 24.2 | 30 | 18.9 |
| Saratoga | 10 | 4.6 | 23 | 9.6 | 20 | 9.2 |
| Schenectady | 22 | 15.3 | 70 | 44.8 | 30 | 18.3 |
| Schoharie | 3 | 10.5 | 5 | 18.9 | 4 | 13.0 |
| Warren | 8 | 11.3 | 5 | 9.5 | 2 | 3.5 |
| Washington | - | - | 1 | 2.2 | - | - |

Rates are per 100,000 persons, and age-adjusted.

| Region/County | 2020 | | 2021 | | 2022 | |
|-------------------------|-----------|------|-----------|------|-----------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 83 | 5.0 | 208 | 12.8 | 240 | 15.3 |
| Broome | 4 | 2.4 | 14 | 6.6 | 12 | 7.2 |
| Cayuga | 2 | 2.8 | 9 | 13.5 | 6 | 9.9 |
| Chenango | 4 | 6.9 | 4 | 8.4 | 3 | 8.5 |
| Cortland | 1 | 1.2 | - | - | 3 | 8.9 |
| Herkimer | 1 | 2.0 | 2 | 4.4 | - | - |
| Jefferson | 8 | 6.4 | 10 | 9.0 | 12 | 11.1 |
| Lewis | 1 | 4.7 | 2 | 7.0 | 1 | 3.8 |
| Madison | 2 | 3.1 | 5 | 7.6 | 9 | 15.7 |
| Oneida | 12 | 5.9 | 25 | 11.7 | 25 | 12.3 |
| Onondaga | 30 | 6.8 | 110 | 24.9 | 124 | 28.2 |
| Oswego | - | - | 5 | 4.9 | 8 | 7.5 |
| St Lawrence | 3 | 3.0 | 3 | 3.1 | 5 | 5.0 |
| Tioga | - | - | 1 | 2.0 | 1 | 1.4 |
| Tompkins | 15 | 9.8 | 18 | 18.0 | 31 | 29.5 |
| Rochester Region | 345 | 28.2 | 584 | 49.0 | 584 | 49.1 |
| Chemung | 3 | 2.9 | 7 | 9.4 | 22 | 32.1 |
| Livingston | 5 | 9.9 | 2 | 4.8 | 6 | 13.8 |
| Monroe | 312 | 41.5 | 551 | 75.8 | 496 | 68.1 |
| Ontario | 7 | 7.0 | 6 | 6.6 | 22 | 19.9 |
| Schuyler | 1 | 7.2 | 1 | 7.1 | 5 | 33.6 |
| Seneca | 2 | 7.6 | 4 | 10.3 | 5 | 17.9 |
| Steuben | 5 | 6.7 | 4 | 5.4 | 3 | 4.0 |
| Wayne | 10 | 13.7 | 6 | 6.9 | 22 | 26.8 |
| Yates | - | - | 3 | 12.1 | 3 | 15.0 |
| Hudson Valley | 405 | 18.7 | 498 | 22.8 | 488 | 22.1 |
| Dutchess | 70 | 24.8 | 80 | 29.0 | 65 | 23.5 |
| Orange | 98 | 25.5 | 106 | 29.2 | 101 | 26.7 |
| Putnam | 12 | 14.2 | 14 | 15.0 | 15 | 15.9 |
| Rockland | 35 | 11.8 | 41 | 13.7 | 51 | 17.8 |
| Sullivan | 8 | 11.2 | 11 | 13.8 | 22 | 30.3 |
| Ulster | 22 | 14.0 | 26 | 14.0 | 34 | 19.2 |
| Westchester | 160 | 18.2 | 220 | 24.2 | 200 | 22.0 |
| Long Island | 327 | 12.3 | 508 | 19.0 | 731 | 27.2 |
| Nassau | 161 | 12.9 | 241 | 19.2 | 321 | 25.6 |
| Suffolk | 166 | 11.8 | 267 | 18.8 | 410 | 28.7 |

Table 8. Early Syphilis by Region and Year, New York State, 1960 - 2022

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1960 | 5,863 | 34.8 | 5,262 | 68.1 | 601 | 6.6 |
| 1961 | 7,948 | 46.8 | 7,118 | 91.7 | 830 | 9.0 |
| 1962 | 8,215 | 47.7 | 7,179 | 92.4 | 1,036 | 11.0 |
| 1963 | 8,547 | 49.4 | 7,450 | 96.1 | 1,097 | 11.5 |
| 1964 | 8,756 | 49.9 | 7,788 | 100.6 | 968 | 9.9 |
| 1965 | 7,878 | 44.3 | 7,043 | 89.9 | 835 | 8.4 |
| 1966 | 6,446 | 36.4 | 5,834 | 74.7 | 612 | 6.2 |
| 1967 | 4,980 | 27.6 | 4,489 | 55.8 | 491 | 4.9 |
| 1968 | 4,975 | 27.4 | 4,456 | 55.3 | 519 | 5.2 |
| 1969 | 4,661 | 25.6 | 4,247 | 52.6 | 414 | 4.1 |
| 1970 | 6,410 | 34.7 | 5,840 | 72.3 | 570 | 5.5 |
| 1971 | 6,649 | 35.9 | 5,980 | 75.8 | 669 | 6.3 |
| 1972 | 6,840 | 36.6 | 6,147 | 77.0 | 693 | 6.5 |
| 1973 | 6,486 | 34.9 | 5,727 | 72.5 | 759 | 7.1 |
| 1974 | 7,287 | 39.2 | 6,388 | 82.2 | 899 | 8.3 |
| 1975 | 7,194 | 39.0 | 6,469 | 85.4 | 725 | 6.7 |
| 1976 | 6,593 | 36.6 | 6,112 | 81.4 | 481 | 4.6 |
| 1977 | 4,347 | 24.2 | 3,860 | 51.5 | 487 | 4.6 |
| 1978 | 4,232 | 23.4 | 3,793 | 51.2 | 439 | 4.1 |
| 1979 | 4,666 | 25.8 | 4,163 | 57.7 | 503 | 4.7 |
| 1980 | 4,404 | 24.4 | 3,836 | 53.2 | 568 | 5.3 |
| 1981 | 5,009 | 28.8 | 4,266 | 60.7 | 743 | 7.2 |
| 1982 | 5,342 | 30.8 | 4,483 | 64.5 | 859 | 8.2 |
| 1983 | 5,086 | 29.2 | 4,340 | 62.9 | 746 | 7.1 |
| 1984 | 4,794 | 27.3 | 4,186 | 59.7 | 608 | 5.8 |
| 1985 | 5,120 | 29.3 | 4,474 | 62.5 | 646 | 6.2 |
| 1986 | 4,607 | 25.9 | 4,117 | 56.9 | 490 | 4.6 |
| 1987 | 8,659 | 48.6 | 8,043 | 110.0 | 616 | 5.9 |
| 1988 | 10,749 | 59.8 | 9,557 | 129.7 | 1,192 | 11.3 |
| 1989 | 12,170 | 68.0 | 10,209 | 138.6 | 1,961 | 18.6 |
| 1990 | 13,997 | 77.9 | 11,750 | 159.3 | 2,247 | 21.2 |
| 1991 | 11,486 | 63.9 | 9,902 | 135.2 | 1,584 | 14.9 |

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1992 | 8,709 | 48.6 | 7,619 | 104.1 | 1,090 | 10.2 |
| 1993 | 5,643 | 31.1 | 4,876 | 66.1 | 767 | 7.1 |
| 1994 | 3,481 | 18.9 | 2,986 | 40.1 | 495 | 4.6 |
| 1995 | 2,548 | 14.0 | 2,306 | 30.8 | 242 | 2.2 |
| 1996 | 1,416 | 7.6 | 1,215 | 16.2 | 201 | 1.9 |
| 1997 | 897 | 5.1 | 763 | 10.1 | 134 | 1.2 |
| 1998 | 797 | 4.0 | 725 | 9.6 | 72 | 0.6 |
| 1999 | 850 | 4.8 | 789 | 10.4 | 61 | 0.6 |
| 2000 | 599 | 2.6 | 564 | 7.1 | 35 | 0.3 |
| 2001 | 870 | 4.6 | 830 | 10.3 | 40 | 0.4 |
| 2002 | 1,231 | 6.4 | 1,161 | 14.4 | 70 | 0.6 |
| 2003 | 1,596 | 8.3 | 1,482 | 18.4 | 114 | 1.0 |
| 2004 | 1,475 | 7.7 | 1,302 | 16.2 | 173 | 1.6 |
| 2005 | 1,789 | 9.4 | 1,596 | 19.9 | 193 | 1.7 |
| 2006 | 1,731 | 9.1 | 1,479 | 18.5 | 252 | 2.3 |
| 2007 | 2,224 | 11.6 | 1,919 | 23.9 | 305 | 2.7 |
| 2008 | 2,576 | 13.4 | 2,286 | 28.3 | 290 | 2.6 |
| 2009 | 2,452 | 12.7 | 2,190 | 26.9 | 262 | 2.3 |
| 2010 | 2,461 | 12.7 | 2,190 | 26.8 | 271 | 2.4 |
| 2011 | 2,348 | 12.0 | 1,998 | 24.2 | 350 | 3.1 |
| 2012 | 2,666 | 13.6 | 2,291 | 27.4 | 375 | 3.3 |
| 2013 | 3,411 | 17.4 | 2,907 | 34.6 | 504 | 4.5 |
| 2014 | 4,000 | 20.4 | 3,276 | 38.8 | 724 | 6.5 |
| 2015 | 4,837 | 24.6 | 3,920 | 46.3 | 917 | 8.2 |
| 2016 | 6,008 | 30.6 | 5,006 | 59.1 | 1,002 | 9.0 |
| 2017 | 6,252 | 31.9 | 5,144 | 61.0 | 1,108 | 9.9 |
| 2018 | 6,758 | 34.6 | 5,526 | 65.8 | 1,232 | 11.1 |
| 2019 | 7,247 | 37.2 | 5,665 | 67.9 | 1,582 | 14.2 |
| 2020 | 7,752 | 38.4 | 6,274 | 71.3 | 1,478 | 13.0 |
| 2021 | 9,030 | 45.5 | 6,756 | 79.9 | 2,274 | 20.0 |
| 2022 | 9,270 | 47.1 | 6,781 | 81.3 | 2,489 | 21.9 |

Rates are per 100,000 persons

Table 9. Primary and Secondary Syphilis by Region and Year, New York State, 1957 - 2022

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|------|---------------------|------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1957 | 730 | 4.4 | 635 | 7.8 | 95 | 1.1 |
| 1958 | 1,045 | 6.2 | 911 | 11.4 | 134 | 1.5 |
| 1959 | 1,610 | 9.5 | 1,446 | 18.6 | 164 | 1.8 |
| 1960 | 3,016 | 17.9 | 2,607 | 33.7 | 409 | 4.5 |
| 1961 | 3,966 | 23.3 | 3,384 | 43.6 | 582 | 6.3 |
| 1962 | 3,975 | 23.1 | 3,333 | 42.9 | 642 | 6.8 |
| 1963 | 4,204 | 24.3 | 3,489 | 45.0 | 715 | 7.5 |
| 1964 | 3,802 | 21.7 | 3,165 | 40.9 | 637 | 6.5 |
| 1965 | 3,445 | 19.4 | 2,889 | 36.8 | 556 | 5.6 |
| 1966 | 2,822 | 15.9 | 2,445 | 31.4 | 377 | 3.8 |
| 1967 | 2,396 | 13.3 | 2,086 | 25.9 | 310 | 3.1 |
| 1968 | 2,564 | 14.1 | 2,231 | 27.7 | 333 | 3.3 |
| 1969 | 2,890 | 15.9 | 2,616 | 32.4 | 274 | 2.7 |
| 1970 | 4,185 | 22.6 | 3,779 | 46.8 | 406 | 3.9 |
| 1971 | 4,300 | 23.2 | 3,844 | 48.7 | 456 | 4.3 |
| 1972 | 4,479 | 24.0 | 4,041 | 50.6 | 438 | 4.1 |
| 1973 | 3,763 | 20.3 | 3,325 | 42.1 | 438 | 4.1 |
| 1974 | 3,676 | 19.8 | 3,145 | 40.5 | 531 | 4.9 |
| 1975 | 3,266 | 17.7 | 2,864 | 37.8 | 402 | 3.7 |
| 1976 | 2,746 | 15.2 | 2,494 | 33.2 | 252 | 2.4 |
| 1977 | 2,153 | 12.0 | 1,881 | 25.1 | 272 | 2.6 |
| 1978 | 2,283 | 12.6 | 2,058 | 27.8 | 225 | 2.1 |
| 1979 | 2,865 | 15.9 | 2,561 | 35.5 | 304 | 2.8 |
| 1980 | 2,729 | 15.1 | 2,393 | 33.2 | 336 | 3.1 |
| 1981 | 3,036 | 17.5 | 2,581 | 36.7 | 455 | 4.4 |
| 1982 | 3,059 | 17.6 | 2,580 | 37.1 | 479 | 4.6 |
| 1983 | 2,879 | 16.5 | 2,459 | 35.6 | 420 | 4.0 |
| 1984 | 2,618 | 14.9 | 2,280 | 32.5 | 338 | 3.2 |
| 1985 | 2,531 | 14.5 | 2,169 | 30.3 | 362 | 3.5 |
| 1986 | 2,397 | 13.5 | 2,112 | 29.2 | 285 | 2.7 |
| 1987 | 4,910 | 27.5 | 4,542 | 62.1 | 368 | 3.5 |
| 1988 | 5,688 | 31.7 | 5,042 | 68.4 | 646 | 6.1 |
| 1989 | 5,384 | 30.1 | 4,362 | 59.2 | 1,022 | 9.7 |
| 1990 | 5,313 | 29.6 | 4,265 | 57.8 | 1,048 | 9.9 |
| 1991 | 3,825 | 21.3 | 3,133 | 42.8 | 692 | 6.5 |
| 1992 | 2,596 | 14.5 | 2,246 | 30.7 | 350 | 3.3 |
| 1993 | 1,387 | 7.7 | 1,129 | 15.3 | 258 | 2.4 |
| 1994 | 801 | 4.4 | 626 | 8.4 | 175 | 1.6 |
| 1995 | 447 | 2.5 | 362 | 4.8 | 85 | 0.8 |
| 1996 | 214 | 1.2 | 138 | 1.8 | 76 | 0.7 |
| 1997 | 138 | 0.8 | 97 | 1.3 | 41 | 0.4 |
| 1998 | 118 | 0.6 | 81 | 1.1 | 37 | 0.3 |
| 1999 | 150 | 0.9 | 130 | 1.7 | 20 | 0.2 |
| 2000 | 132 | 0.6 | 117 | 1.5 | 15 | 0.1 |
| 2001 | 304 | 1.6 | 282 | 3.5 | 22 | 0.2 |
| 2002 | 478 | 2.5 | 434 | 5.4 | 44 | 0.4 |
| 2003 | 584 | 3.0 | 531 | 6.6 | 53 | 0.5 |
| 2004 | 727 | 3.8 | 621 | 7.7 | 106 | 1.0 |
| 2005 | 705 | 3.7 | 616 | 7.7 | 89 | 0.8 |
| 2006 | 736 | 3.9 | 578 | 7.2 | 158 | 1.4 |
| 2007 | 1,072 | 5.6 | 916 | 11.4 | 156 | 1.4 |
| 2008 | 1,211 | 6.3 | 1,065 | 13.2 | 146 | 1.3 |
| 2009 | 1,184 | 6.1 | 1,056 | 13.0 | 128 | 1.1 |
| 2010 | 1,101 | 5.7 | 955 | 11.7 | 146 | 1.3 |
| 2011 | 1,088 | 5.6 | 894 | 10.8 | 194 | 1.7 |
| 2012 | 1,229 | 6.3 | 996 | 11.9 | 233 | 2.1 |
| 2013 | 1,464 | 7.5 | 1,167 | 13.9 | 297 | 2.6 |
| 2014 | 1,708 | 8.7 | 1,307 | 15.5 | 401 | 3.6 |
| 2015 | 2,021 | 10.3 | 1,521 | 18.0 | 500 | 4.5 |
| 2016 | 2,470 | 12.6 | 1,940 | 22.9 | 530 | 4.7 |
| 2017 | 2,355 | 12.0 | 1,799 | 21.3 | 556 | 5.0 |
| 2018 | 2,656 | 13.6 | 2,026 | 24.1 | 630 | 5.7 |
| 2019 | 2,864 | 14.7 | 1,987 | 23.8 | 877 | 7.9 |
| 2020 | 3,008 | 14.9 | 2,231 | 25.3 | 777 | 6.8 |
| 2021 | 3,502 | 17.6 | 2,230 | 26.4 | 1,272 | 11.2 |
| 2022 | 3,603 | 18.3 | 2,300 | 27.6 | 1,303 | 11.5 |

Rates are per 100,000 persons

Figure 7. Gonorrhea by Year and Region, New York State, 1960 - 2022

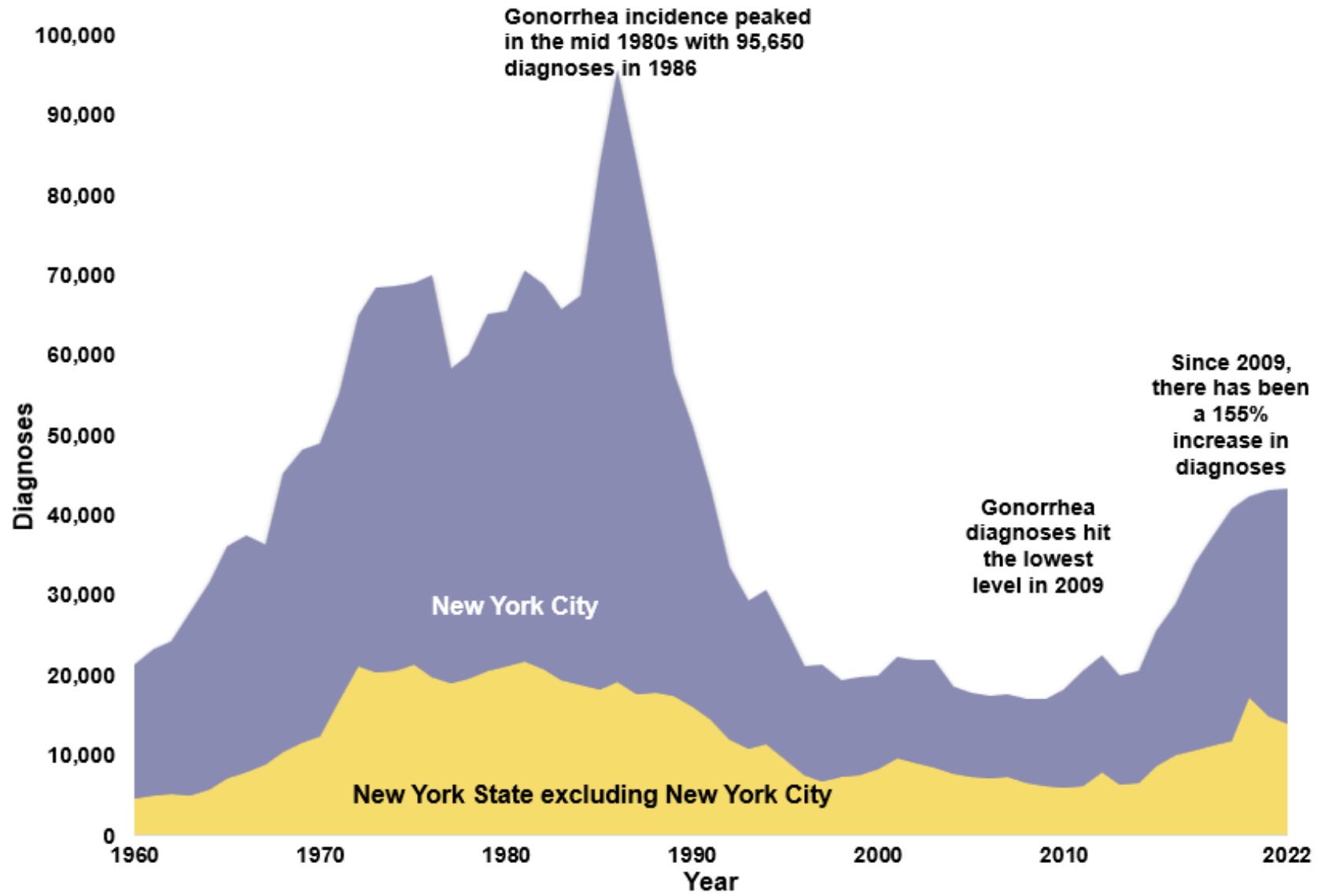
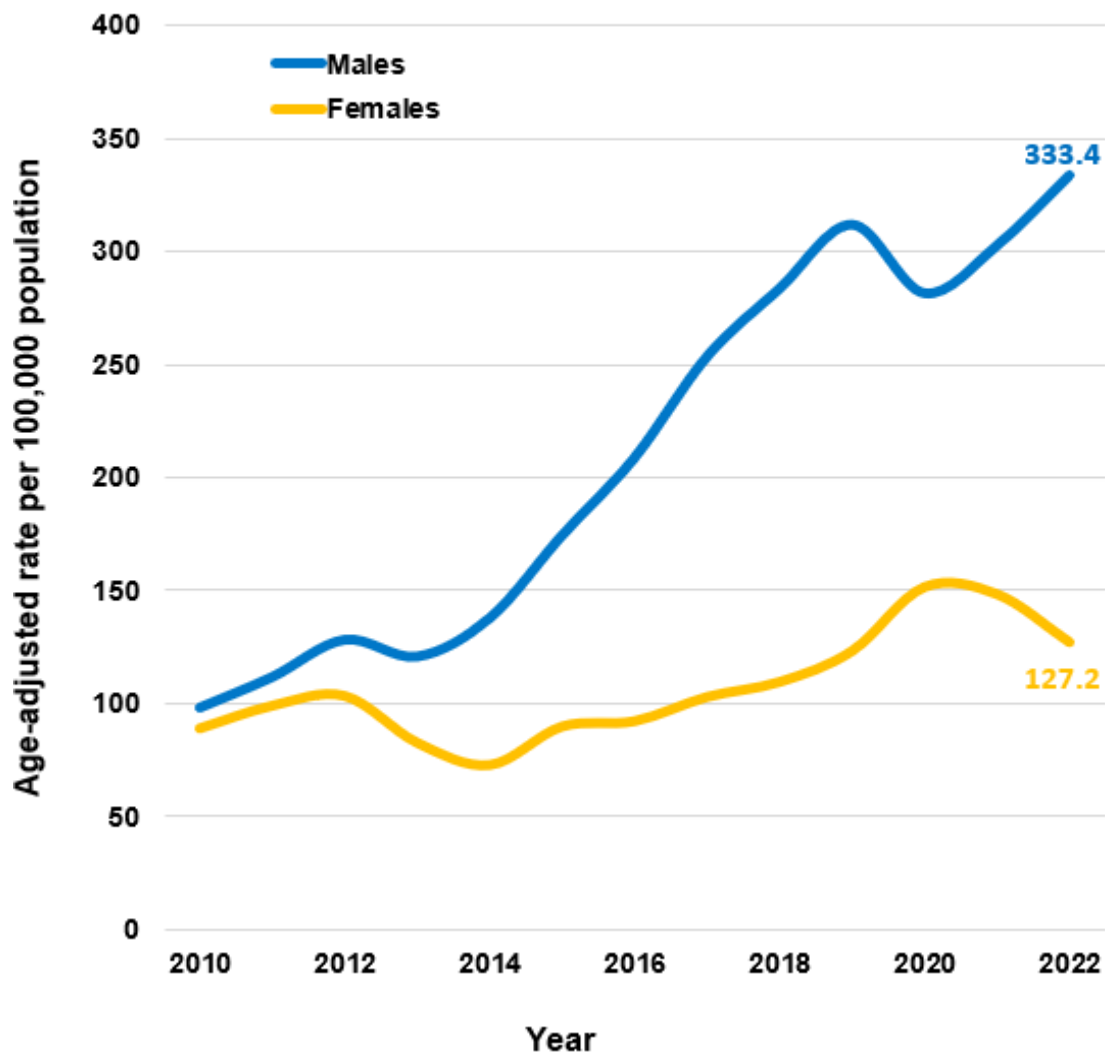


Figure 8. Gonorrhea Rates by Sex and Year, New York State, 2010 - 2022

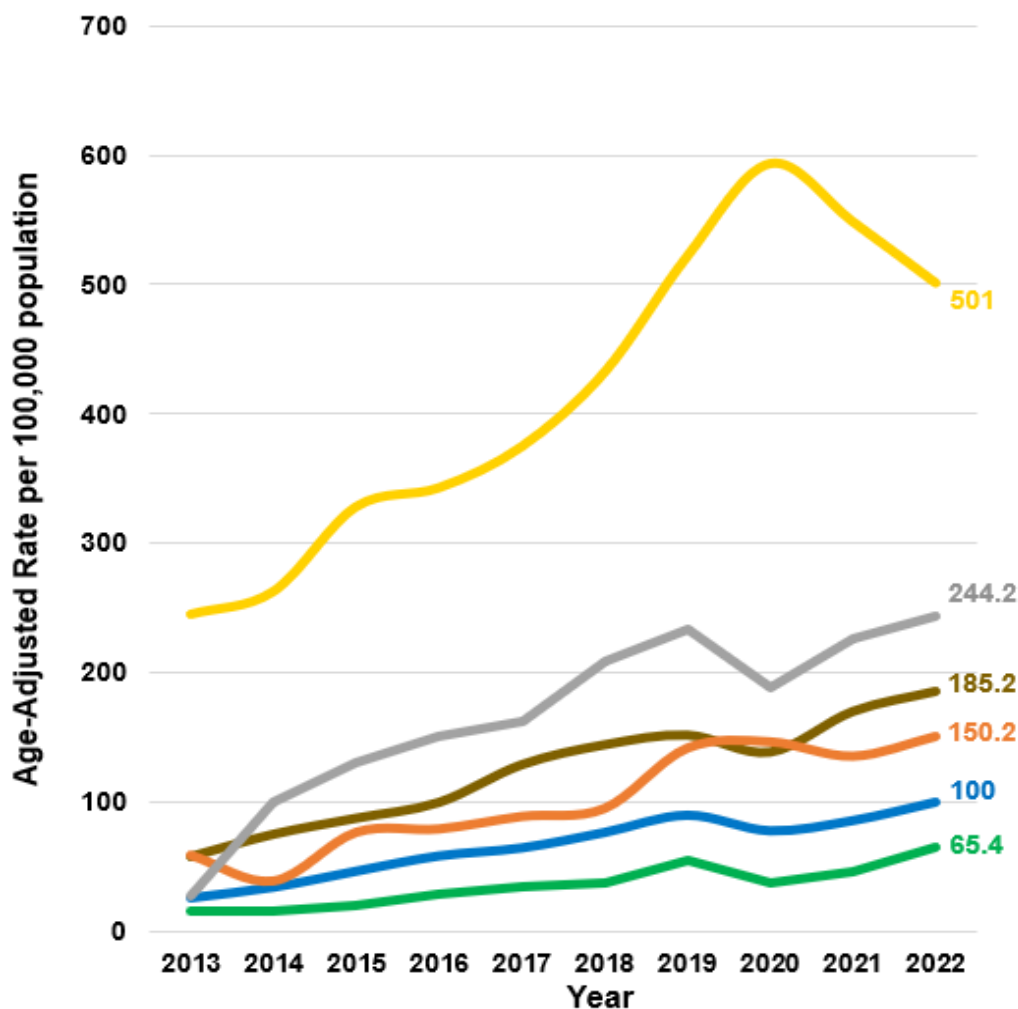


What this figure shows

Diagnoses among **males** resumed the pre-pandemic increase after an initial decline in 2020.

Diagnoses in **females** has been declining since 2021.

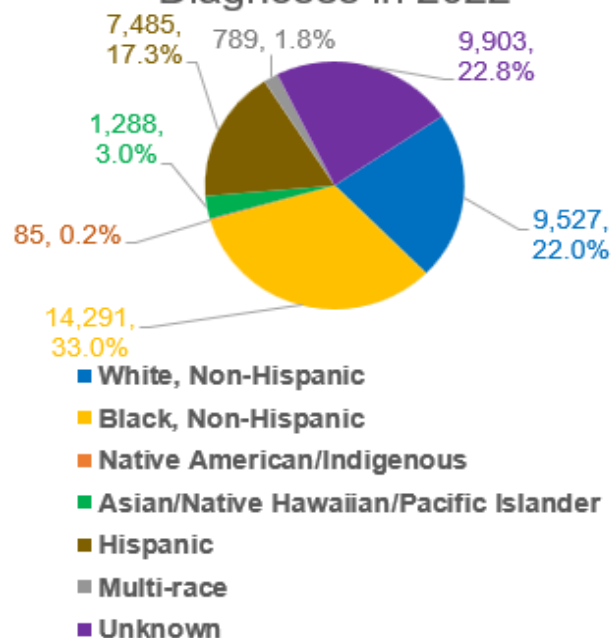
Figure 9. Gonorrhea Rates by Race/Ethnicity and Year, New York State, 2013 - 2022



What this figure shows

Non-Hispanic Black individuals are disproportionately impacted by gonorrhea, followed by **Multi-race, Hispanic and Native American/Indigenous** individuals respectively

Number and Proportion of Diagnoses in 2022



*Data on race/ethnicity should be interpreted with caution given the high proportion of diagnoses with unknown information

Figure 10. Gonorrhea Rates by Age and Sex, New York State, 2022

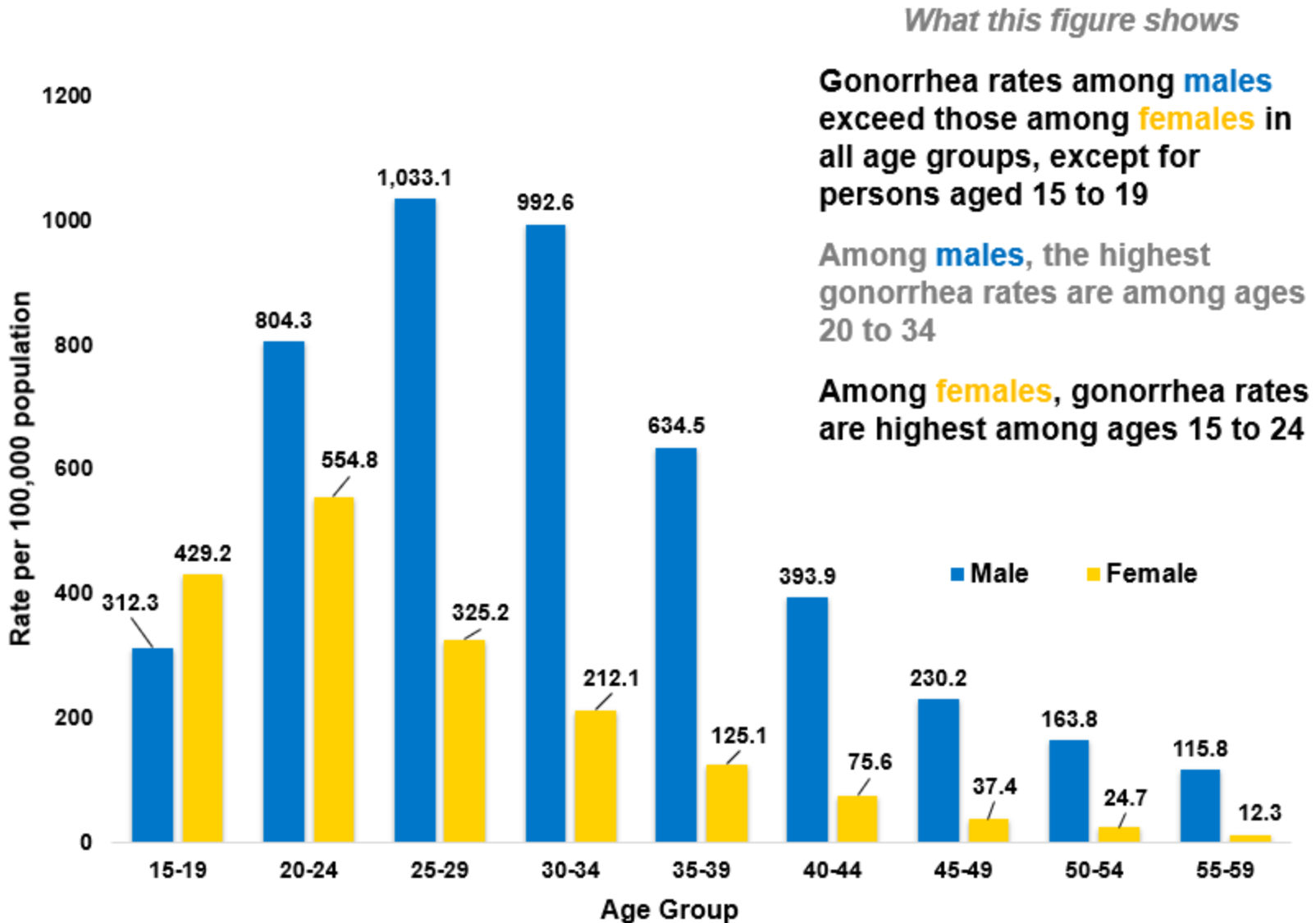


Table 10. Gonorrhea by Region/County and Sex, New York State, 2022

| Region/County | Male | | Female | | Total | |
|-----------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 31,483 | 333.4 | 11,766 | 127.3 | 43,368 | 230.9 |
| New York City (NYC) | 23,148 | 551.7 | 6,040 | 150.9 | 29,307 | 348.7 |
| Bronx | 3,645 | 550.7 | 1,822 | 261.5 | 5,499 | 401.2 |
| Kings | 7,085 | 536.5 | 1,979 | 158.8 | 9,099 | 342.9 |
| New York | 8,362 | 936.0 | 1,052 | 126.9 | 9,445 | 526.6 |
| Queens | 3,702 | 340.2 | 1,013 | 100.0 | 4,736 | 221.4 |
| Richmond | 354 | 154.5 | 174 | 79.4 | 528 | 117.1 |
| NYS excl. NYC | 8,335 | 156.6 | 5,726 | 111.6 | 14,061 | 134.3 |
| Buffalo Region | 1,814 | 250.0 | 1,257 | 182.3 | 3,071 | 216.4 |
| Allegany | 10 | 50.2 | 9 | 44.2 | 19 | 47.1 |
| Cattaraugus | 18 | 56.1 | 22 | 71.2 | 40 | 63.6 |
| Chautauqua | 99 | 178.2 | 112 | 218.1 | 211 | 197.2 |
| Erie | 1,451 | 319.4 | 929 | 211.7 | 2,380 | 265.4 |
| Genesee | 28 | 109.7 | 14 | 63.0 | 42 | 86.8 |
| Niagara | 194 | 208.5 | 158 | 178.9 | 352 | 193.2 |
| Orleans | 11 | 59.9 | 10 | 63.0 | 21 | 61.8 |
| Wyoming | 3 | 16.9 | 3 | 23.2 | 6 | 18.9 |
| Capital Region | 1,264 | 175.0 | 917 | 133.8 | 2,181 | 154.7 |
| Albany | 535 | 331.3 | 368 | 219.9 | 903 | 275.1 |
| Clinton | 18 | 42.1 | 11 | 29.8 | 29 | 36.1 |
| Columbia | 37 | 158.1 | 11 | 50.3 | 48 | 104.6 |
| Delaware | 12 | 67.6 | 6 | 34.3 | 18 | 51.6 |
| Essex | 4 | 20.7 | 1 | 7.4 | 5 | 14.6 |
| Franklin | 6 | 23.5 | 2 | 11.4 | 8 | 18.2 |
| Fulton | 38 | 167.8 | 44 | 208.5 | 82 | 186.9 |
| Greene | 18 | 82.2 | 16 | 86.6 | 34 | 83.8 |
| Montgomery | 17 | 79.1 | 27 | 131.5 | 44 | 105.0 |
| Otsego | 23 | 78.3 | 17 | 51.5 | 40 | 65.0 |
| Rensselaer | 179 | 224.9 | 138 | 189.6 | 317 | 205.1 |
| Saratoga | 76 | 69.5 | 50 | 49.1 | 126 | 59.5 |
| Schenectady | 272 | 356.0 | 207 | 276.4 | 479 | 315.7 |
| Schoharie | 7 | 51.6 | 2 | 15.8 | 9 | 34.3 |
| Warren | 12 | 41.2 | 9 | 34.4 | 21 | 38.0 |
| Washington | 10 | 34.2 | 8 | 37.0 | 18 | 34.9 |

Rates are per 100,000 persons, and age-adjusted.

| Region/County | Male | | Female | | Total | |
|-------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 1,218 | 145.3 | 1,016 | 124.0 | 2,234 | 134.8 |
| Broome | 99 | 112.1 | 81 | 90.6 | 180 | 101.1 |
| Cayuga | 25 | 73.0 | 38 | 126.0 | 63 | 97.9 |
| Chenango | 19 | 91.5 | 15 | 86.9 | 34 | 89.2 |
| Cortland | 16 | 70.3 | 23 | 78.4 | 39 | 75.3 |
| Herkimer | 21 | 79.9 | 10 | 40.4 | 31 | 60.6 |
| Jefferson | 91 | 124.0 | 59 | 114.1 | 150 | 119.3 |
| Lewis | 6 | 54.6 | 2 | 19.6 | 8 | 37.7 |
| Madison | 11 | 36.6 | 16 | 51.4 | 27 | 44.4 |
| Oneida | 134 | 125.3 | 151 | 150.8 | 285 | 137.0 |
| Onondaga | 655 | 300.4 | 520 | 232.5 | 1,175 | 266.0 |
| Oswego | 33 | 55.8 | 44 | 82.8 | 77 | 69.0 |
| St Lawrence | 17 | 31.3 | 7 | 12.0 | 24 | 22.2 |
| Tioga | 13 | 66.2 | 19 | 101.3 | 32 | 82.7 |
| Tompkins | 78 | 115.5 | 31 | 39.8 | 109 | 77.9 |
| Rochester Region | 1,471 | 251.0 | 1,238 | 215.0 | 2,709 | 232.6 |
| Chemung | 108 | 285.6 | 154 | 450.5 | 262 | 365.2 |
| Livingston | 11 | 39.5 | 4 | 14.0 | 15 | 27.4 |
| Monroe | 1,229 | 344.8 | 941 | 261.4 | 2,170 | 301.6 |
| Ontario | 34 | 69.0 | 26 | 56.4 | 60 | 63.0 |
| Schuyler | 7 | 102.2 | 6 | 91.0 | 13 | 96.4 |
| Seneca | 5 | 32.7 | 10 | 75.2 | 15 | 51.1 |
| Steuben | 33 | 82.5 | 48 | 129.7 | 81 | 105.3 |
| Wayne | 41 | 102.0 | 45 | 124.5 | 86 | 112.7 |
| Yates | 3 | 30.9 | 4 | 39.8 | 7 | 35.5 |
| Hudson Valley | 1,200 | 109.8 | 660 | 61.1 | 1,860 | 85.9 |
| Dutchess | 182 | 130.2 | 99 | 73.0 | 281 | 102.7 |
| Orange | 178 | 90.6 | 114 | 57.3 | 292 | 74.2 |
| Putnam | 21 | 46.9 | 11 | 27.2 | 32 | 37.5 |
| Rockland | 127 | 84.6 | 41 | 27.6 | 168 | 56.6 |
| Sullivan | 27 | 72.3 | 18 | 52.1 | 45 | 63.1 |
| Ulster | 64 | 77.7 | 66 | 84.2 | 130 | 81.2 |
| Westchester | 601 | 136.7 | 311 | 70.8 | 912 | 103.7 |
| Long Island | 1,368 | 101.5 | 638 | 49.3 | 2,006 | 75.8 |
| Nassau | 618 | 98.1 | 275 | 45.4 | 893 | 72.1 |
| Suffolk | 750 | 104.6 | 363 | 52.6 | 1,113 | 79.2 |

Table 11. Gonorrhea by Region and Sex and Age, New York State 2022

| Age(years) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------------|----------------------|---------|---------------------|---------|---------------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Male | | | | | | |
| 10-14 | 39 | 6.7 | 10 | 4.2 | 29 | 8.5 |
| 15-19 | 1,902 | 312.3 | 1,091 | 479.6 | 811 | 212.5 |
| 20-24 | 5,248 | 804.3 | 3,466 | 1,382.3 | 1,782 | 443.6 |
| 25-29 | 6,985 | 1,033.1 | 5,301 | 1,639.0 | 1,684 | 477.5 |
| 30-34 | 7,070 | 992.6 | 5,637 | 1,591.9 | 1,433 | 400.1 |
| 35-39 | 4,180 | 634.5 | 3,344 | 1,099.7 | 836 | 235.7 |
| 40-44 | 2,408 | 393.9 | 1,825 | 688.5 | 583 | 168.4 |
| 45-49 | 1,300 | 230.2 | 929 | 384.4 | 371 | 114.9 |
| 50-54 | 1,019 | 163.8 | 721 | 285.6 | 298 | 80.6 |
| 55-59 | 747 | 115.8 | 501 | 199.7 | 246 | 62.4 |
| 60-64 | 374 | 59.3 | 213 | 90.5 | 161 | 40.8 |
| 65-69 | 125 | 23.5 | 58 | 29.3 | 67 | 20.1 |
| 70+ | 78 | 7.6 | 45 | 11.7 | 33 | 5.1 |
| Female | | | | | | |
| 10-14 | 126 | 22.9 | 72 | 32.0 | 54 | 16.6 |
| 15-19 | 2,513 | 429.2 | 1,331 | 600.4 | 1,182 | 324.9 |
| 20-24 | 3,617 | 554.8 | 1,865 | 696.0 | 1,752 | 456.2 |
| 25-29 | 2,207 | 325.2 | 1,154 | 333.2 | 1,053 | 316.8 |
| 30-34 | 1,486 | 212.1 | 775 | 217.4 | 711 | 206.7 |
| 35-39 | 814 | 125.1 | 371 | 121.6 | 443 | 128.2 |
| 40-44 | 463 | 75.6 | 204 | 74.3 | 259 | 76.6 |
| 45-49 | 216 | 37.4 | 99 | 38.4 | 117 | 36.7 |
| 50-54 | 157 | 24.7 | 85 | 31.7 | 72 | 19.5 |
| 55-59 | 83 | 12.3 | 38 | 14.0 | 45 | 11.2 |
| 60-64 | 51 | 7.6 | 25 | 9.5 | 26 | 6.4 |
| 65-69 | 19 | 3.2 | 14 | 6.0 | 5 | 1.4 |
| 70+ | 9 | 0.6 | 6 | 1.0 | 3 | 0.4 |

| Age(years) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------------|----------------------|-------|---------------------|---------|---------------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Total | | | | | | |
| 10-14 | 166 | 14.7 | 83 | 18.0 | 83 | 12.4 |
| 15-19 | 4,422 | 370.2 | 2,429 | 540.8 | 1,993 | 267.4 |
| 20-24 | 8,885 | 681.1 | 5,351 | 1,031.6 | 3,534 | 449.8 |
| 25-29 | 9,224 | 680.9 | 6,487 | 968.6 | 2,737 | 399.5 |
| 30-34 | 8,587 | 607.8 | 6,443 | 906.6 | 2,144 | 305.4 |
| 35-39 | 5,007 | 382.4 | 3,728 | 611.9 | 1,279 | 182.7 |
| 40-44 | 2,876 | 235.0 | 2,034 | 376.9 | 842 | 123.0 |
| 45-49 | 1,522 | 133.3 | 1,034 | 207.0 | 488 | 76.0 |
| 50-54 | 1,179 | 93.7 | 809 | 155.4 | 370 | 50.1 |
| 55-59 | 830 | 62.9 | 539 | 103.2 | 291 | 36.5 |
| 60-64 | 425 | 32.7 | 238 | 47.8 | 187 | 23.3 |
| 65-69 | 145 | 12.9 | 73 | 16.9 | 72 | 10.5 |
| 70+ | 87 | 3.6 | 51 | 5.3 | 36 | 2.4 |

Rates are per 100,000 persons.

Table 12. Gonorrhea by Region/County and Year, New York State, 2020 - 2022

| Region/County | 2020 | | 2021 | | 2022 | |
|-----------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 42,318 | 216.7 | 43,081 | 225.9 | 43,368 | 230.9 |
| New York City (NYC) | 25,027 | 281.4 | 28,162 | 331.7 | 29,307 | 348.7 |
| Bronx | 5,939 | 395.2 | 6,080 | 423.5 | 5,499 | 401.2 |
| Kings | 7,753 | 279.2 | 8,690 | 323.5 | 9,099 | 342.9 |
| New York | 6,841 | 369.4 | 8,494 | 492.1 | 9,445 | 526.6 |
| Queens | 3,893 | 169.1 | 4,360 | 197.8 | 4,736 | 221.4 |
| Richmond | 601 | 132.0 | 538 | 119.1 | 528 | 117.1 |
| NYS excl. NYC | 17,291 | 163.3 | 14,919 | 140.4 | 14,061 | 134.3 |
| Buffalo Region | 3,817 | 265.4 | 3,117 | 216.5 | 3,071 | 216.4 |
| Allegany | 9 | 19.0 | 12 | 25.1 | 19 | 47.1 |
| Cattaraugus | 48 | 76.4 | 61 | 94.8 | 40 | 63.6 |
| Chautauqua | 144 | 130.6 | 186 | 173.4 | 211 | 197.2 |
| Erie | 3,016 | 333.2 | 2,395 | 263.0 | 2,380 | 265.4 |
| Genesee | 38 | 75.3 | 58 | 114.9 | 42 | 86.8 |
| Niagara | 500 | 271.8 | 357 | 196.4 | 352 | 193.2 |
| Orleans | 47 | 130.0 | 30 | 82.7 | 21 | 61.8 |
| Wyoming | 15 | 45.0 | 18 | 48.0 | 6 | 18.9 |
| Capital Region | 2,170 | 152.7 | 1,721 | 119.4 | 2,181 | 154.7 |
| Albany | 911 | 266.9 | 677 | 200.4 | 903 | 275.1 |
| Clinton | 17 | 21.8 | 34 | 38.1 | 29 | 36.1 |
| Columbia | 48 | 102.7 | 37 | 71.8 | 48 | 104.6 |
| Delaware | 14 | 39.4 | 14 | 36.5 | 18 | 51.6 |
| Essex | 4 | 14.4 | 2 | 4.2 | 5 | 14.6 |
| Franklin | 12 | 26.1 | 5 | 12.2 | 8 | 18.2 |
| Fulton | 86 | 193.9 | 47 | 105.4 | 82 | 186.9 |
| Greene | 26 | 63.1 | 31 | 75.1 | 34 | 83.8 |
| Montgomery | 76 | 172.7 | 74 | 173.1 | 44 | 105.0 |
| Otsego | 28 | 50.3 | 21 | 38.6 | 40 | 65.0 |
| Rensselaer | 364 | 231.3 | 247 | 158.2 | 317 | 205.1 |
| Saratoga | 103 | 49.7 | 98 | 47.3 | 126 | 59.5 |
| Schenectady | 424 | 289.6 | 381 | 247.5 | 479 | 315.7 |
| Schoharie | 5 | 17.5 | 9 | 33.5 | 9 | 34.3 |
| Warren | 31 | 55.7 | 28 | 51.5 | 21 | 38.0 |
| Washington | 21 | 38.9 | 16 | 29.7 | 18 | 34.9 |

Rates are per 100,000 persons, and age-adjusted.

| Region/County | 2020 | | 2021 | | 2022 | |
|-------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 2,701 | 159.7 | 2,760 | 165.1 | 2,234 | 134.8 |
| Broome | 310 | 164.4 | 294 | 150.1 | 180 | 101.1 |
| Cayuga | 101 | 156.7 | 80 | 121.8 | 63 | 97.9 |
| Chenango | 17 | 42.3 | 24 | 61.9 | 34 | 89.2 |
| Cortland | 33 | 76.9 | 42 | 103.0 | 39 | 75.3 |
| Herkimer | 33 | 67.3 | 35 | 69.5 | 31 | 60.6 |
| Jefferson | 230 | 176.7 | 166 | 126.7 | 150 | 119.3 |
| Lewis | 4 | 17.7 | 20 | 91.1 | 8 | 37.7 |
| Madison | 28 | 42.7 | 41 | 68.3 | 27 | 44.4 |
| Oneida | 347 | 163.1 | 396 | 190.8 | 285 | 137.0 |
| Onondaga | 1,398 | 303.9 | 1,343 | 297.3 | 1,175 | 266.0 |
| Oswego | 49 | 45.7 | 127 | 121.5 | 77 | 69.0 |
| St Lawrence | 28 | 23.5 | 31 | 30.0 | 24 | 22.2 |
| Tioga | 26 | 63.7 | 20 | 52.1 | 32 | 82.7 |
| Tompkins | 97 | 80.9 | 141 | 109.7 | 109 | 77.9 |
| Rochester Region | 4,494 | 376.0 | 3,137 | 263.8 | 2,709 | 232.6 |
| Chemung | 116 | 157.6 | 146 | 199.2 | 262 | 365.2 |
| Livingston | 39 | 66.3 | 19 | 38.4 | 15 | 27.4 |
| Monroe | 4,045 | 547.3 | 2,632 | 357.8 | 2,170 | 301.6 |
| Ontario | 74 | 75.8 | 93 | 91.2 | 60 | 63.0 |
| Schuyler | 4 | 28.9 | 14 | 99.8 | 13 | 96.4 |
| Seneca | 19 | 62.3 | 24 | 77.7 | 15 | 51.1 |
| Steuben | 34 | 44.1 | 97 | 127.2 | 81 | 105.3 |
| Wayne | 159 | 210.6 | 104 | 136.7 | 86 | 112.7 |
| Yates | 4 | 14.9 | 8 | 38.5 | 7 | 35.5 |
| Hudson Valley | 2,116 | 97.2 | 1,998 | 91.2 | 1,860 | 85.9 |
| Dutchess | 300 | 108.5 | 232 | 82.7 | 281 | 102.7 |
| Orange | 397 | 104.6 | 333 | 85.2 | 292 | 74.2 |
| Putnam | 31 | 35.6 | 34 | 39.4 | 32 | 37.5 |
| Rockland | 114 | 36.5 | 188 | 61.8 | 168 | 56.6 |
| Sullivan | 108 | 151.5 | 70 | 96.0 | 45 | 63.1 |
| Ulster | 149 | 91.2 | 143 | 87.3 | 130 | 81.2 |
| Westchester | 1,017 | 114.0 | 998 | 111.7 | 912 | 103.7 |
| Long Island | 1,993 | 75.2 | 2,186 | 81.6 | 2,006 | 75.8 |
| Nassau | 935 | 74.7 | 984 | 78.7 | 893 | 72.1 |
| Suffolk | 1,058 | 75.9 | 1,202 | 84.2 | 1,113 | 79.2 |

Table 13. Gonorrhea by Region and Year, New York State, 1960 - 2022

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|-------|---------------------|---------|---------------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1960 | 21,370 | 127.0 | 16,680 | 215.7 | 4,690 | 52.1 |
| 1961 | 23,270 | 136.9 | 18,280 | 235.4 | 4,990 | 53.9 |
| 1962 | 24,220 | 140.7 | 18,900 | 243.5 | 5,320 | 56.5 |
| 1963 | 27,950 | 161.7 | 22,920 | 295.6 | 5,030 | 52.4 |
| 1964 | 31,680 | 180.6 | 25,830 | 333.6 | 5,850 | 60.1 |
| 1965 | 36,120 | 203.2 | 28,990 | 370.2 | 7,130 | 72.2 |
| 1966 | 37,610 | 212.4 | 29,660 | 378.7 | 7,950 | 80.4 |
| 1967 | 36,380 | 201.5 | 27,380 | 341.1 | 9,000 | 90.0 |
| 1968 | 45,250 | 249.4 | 34,830 | 432.5 | 10,420 | 103.5 |
| 1969 | 48,290 | 265.0 | 36,690 | 454.5 | 11,600 | 114.3 |
| 1970 | 49,080 | 265.5 | 36,730 | 454.6 | 12,350 | 119.7 |
| 1971 | 55,240 | 298.6 | 38,400 | 486.4 | 16,840 | 159.9 |
| 1972 | 64,940 | 347.8 | 43,760 | 548.4 | 21,180 | 199.0 |
| 1973 | 68,470 | 368.5 | 48,060 | 609.1 | 20,410 | 190.0 |
| 1974 | 68,740 | 369.5 | 48,220 | 620.2 | 20,520 | 189.8 |
| 1975 | 69,130 | 374.9 | 47,840 | 631.7 | 21,290 | 196.4 |
| 1976 | 70,060 | 389.0 | 50,260 | 669.3 | 19,800 | 187.6 |
| 1977 | 58,280 | 324.6 | 39,300 | 524.3 | 18,980 | 179.8 |
| 1978 | 60,190 | 332.2 | 40,570 | 547.6 | 19,620 | 183.8 |
| 1979 | 65,250 | 361.1 | 44,660 | 578.1 | 20,590 | 192.9 |
| 1980 | 65,560 | 363.3 | 44,280 | 614.8 | 21,280 | 198.1 |
| 1981 | 70,690 | 406.9 | 48,890 | 695.5 | 21,800 | 208.4 |
| 1982 | 68,920 | 396.8 | 48,210 | 694.2 | 20,710 | 198.4 |
| 1983 | 65,830 | 378.2 | 46,410 | 672.8 | 19,420 | 186.0 |
| 1984 | 67,420 | 383.6 | 48,540 | 692.2 | 18,880 | 181.2 |
| 1985 | 83,850 | 479.1 | 65,510 | 914.8 | 18,340 | 176.1 |
| 1986 | 95,650 | 537.7 | 76,400 | 1,055.2 | 19,250 | 182.9 |
| 1987 | 84,250 | 472.6 | 66,540 | 909.9 | 17,710 | 168.1 |
| 1988 | 71,900 | 400.3 | 54,100 | 722.8 | 17,800 | 168.7 |
| 1989 | 57,980 | 323.8 | 40,550 | 550.5 | 17,430 | 165.3 |
| 1990 | 51,090 | 284.4 | 34,990 | 474.4 | 16,100 | 152.3 |
| 1991 | 43,530 | 242.3 | 28,940 | 395.3 | 14,590 | 136.7 |

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|-------|---------------------|-------|---------------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1992 | 33,720 | 188.1 | 21,710 | 296.5 | 12,010 | 112.6 |
| 1993 | 29,350 | 161.9 | 18,470 | 250.5 | 10,880 | 100.9 |
| 1994 | 30,790 | 167.4 | 19,250 | 258.6 | 11,540 | 106.4 |
| 1995 | 25,970 | 143.0 | 16,360 | 218.8 | 9,610 | 88.3 |
| 1996 | 21,140 | 114.1 | 13,530 | 181.4 | 7,610 | 69.9 |
| 1997 | 21,360 | 120.6 | 14,560 | 193.0 | 6,800 | 62.4 |
| 1998 | 19,500 | 99.0 | 12,100 | 159.7 | 7,400 | 67.3 |
| 1999 | 19,870 | 112.6 | 12,210 | 161.1 | 7,660 | 69.5 |
| 2000 | 20,110 | 88.2 | 11,670 | 145.6 | 8,440 | 77.0 |
| 2001 | 22,294 | 116.8 | 12,614 | 156.5 | 9,680 | 87.8 |
| 2002 | 21,925 | 114.6 | 12,811 | 158.7 | 9,114 | 82.4 |
| 2003 | 21,952 | 114.5 | 13,466 | 166.9 | 8,486 | 76.4 |
| 2004 | 18,579 | 96.9 | 10,860 | 135.0 | 7,719 | 69.4 |
| 2005 | 17,912 | 93.6 | 10,596 | 132.2 | 7,316 | 65.8 |
| 2006 | 17,459 | 91.4 | 10,299 | 128.8 | 7,160 | 64.4 |
| 2007 | 17,699 | 92.5 | 10,310 | 128.7 | 7,389 | 66.5 |
| 2008 | 17,120 | 89.1 | 10,483 | 129.9 | 6,637 | 59.6 |
| 2009 | 17,009 | 88.1 | 10,898 | 134.0 | 6,111 | 54.7 |
| 2010 | 18,270 | 94.3 | 12,354 | 151.1 | 5,916 | 52.8 |
| 2011 | 20,643 | 105.9 | 14,403 | 174.1 | 6,240 | 55.6 |
| 2012 | 22,631 | 115.6 | 14,747 | 176.7 | 7,884 | 70.2 |
| 2013 | 19,960 | 101.7 | 13,500 | 160.8 | 6,460 | 57.5 |
| 2014 | 20,594 | 104.8 | 13,978 | 165.7 | 6,616 | 59.0 |
| 2015 | 25,632 | 130.4 | 16,913 | 199.8 | 8,719 | 77.9 |
| 2016 | 29,048 | 147.9 | 19,029 | 224.7 | 10,019 | 89.7 |
| 2017 | 34,111 | 174.1 | 23,491 | 278.4 | 10,620 | 95.2 |
| 2018 | 37,322 | 191.0 | 26,128 | 311.2 | 11,194 | 100.4 |
| 2019 | 40,896 | 210.1 | 28,973 | 347.3 | 11,923 | 107.2 |
| 2020 | 42,318 | 209.5 | 25,027 | 284.3 | 17,291 | 151.7 |
| 2021 | 43,081 | 217.0 | 28,162 | 332.9 | 14,919 | 130.9 |
| 2022 | 43,368 | 220.4 | 29,307 | 351.6 | 14,061 | 124.0 |

Rates are per 100,000 persons

Figure 11. Chlamydia by Year and Region, New York State, 2001 - 2022

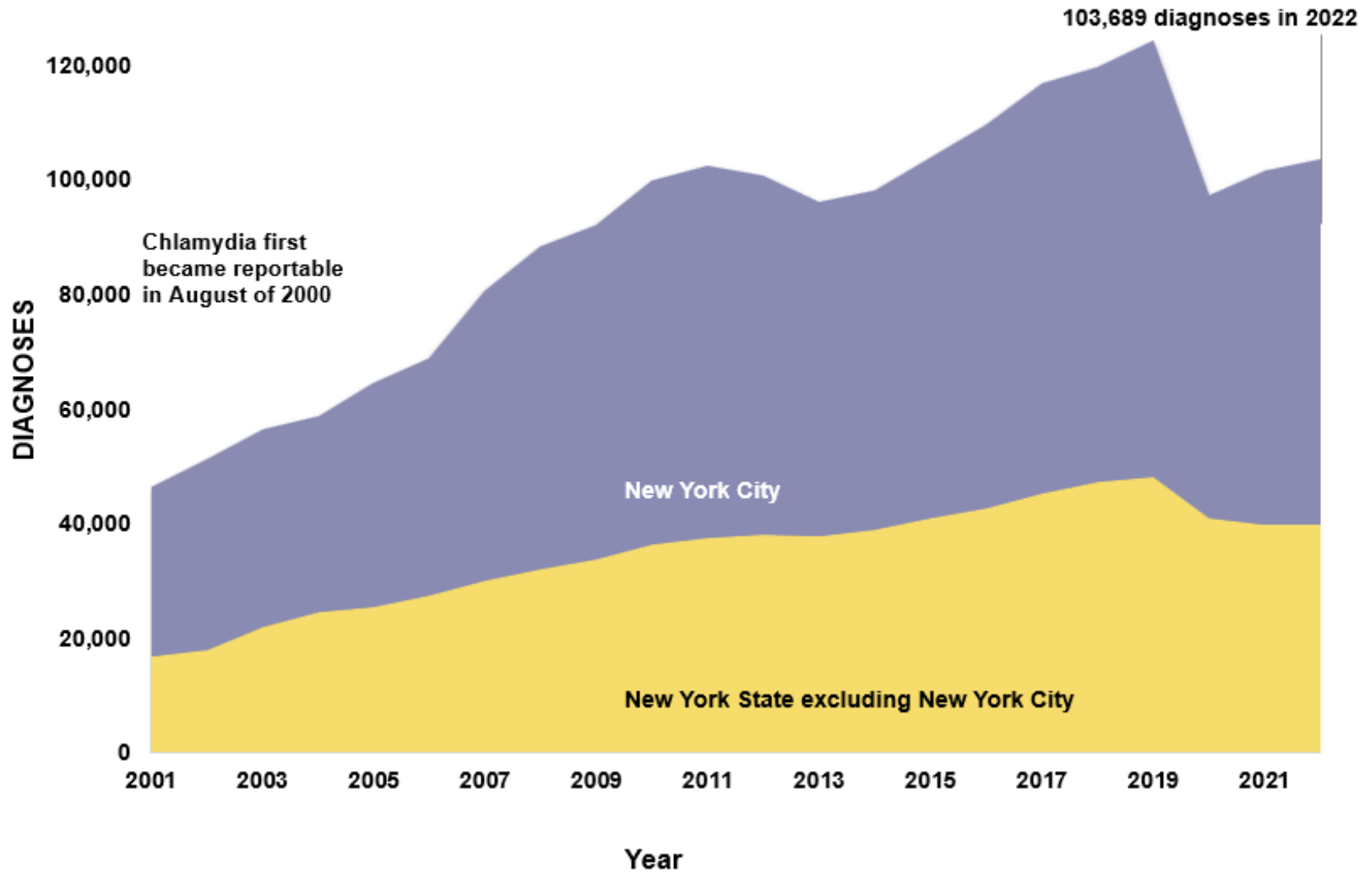
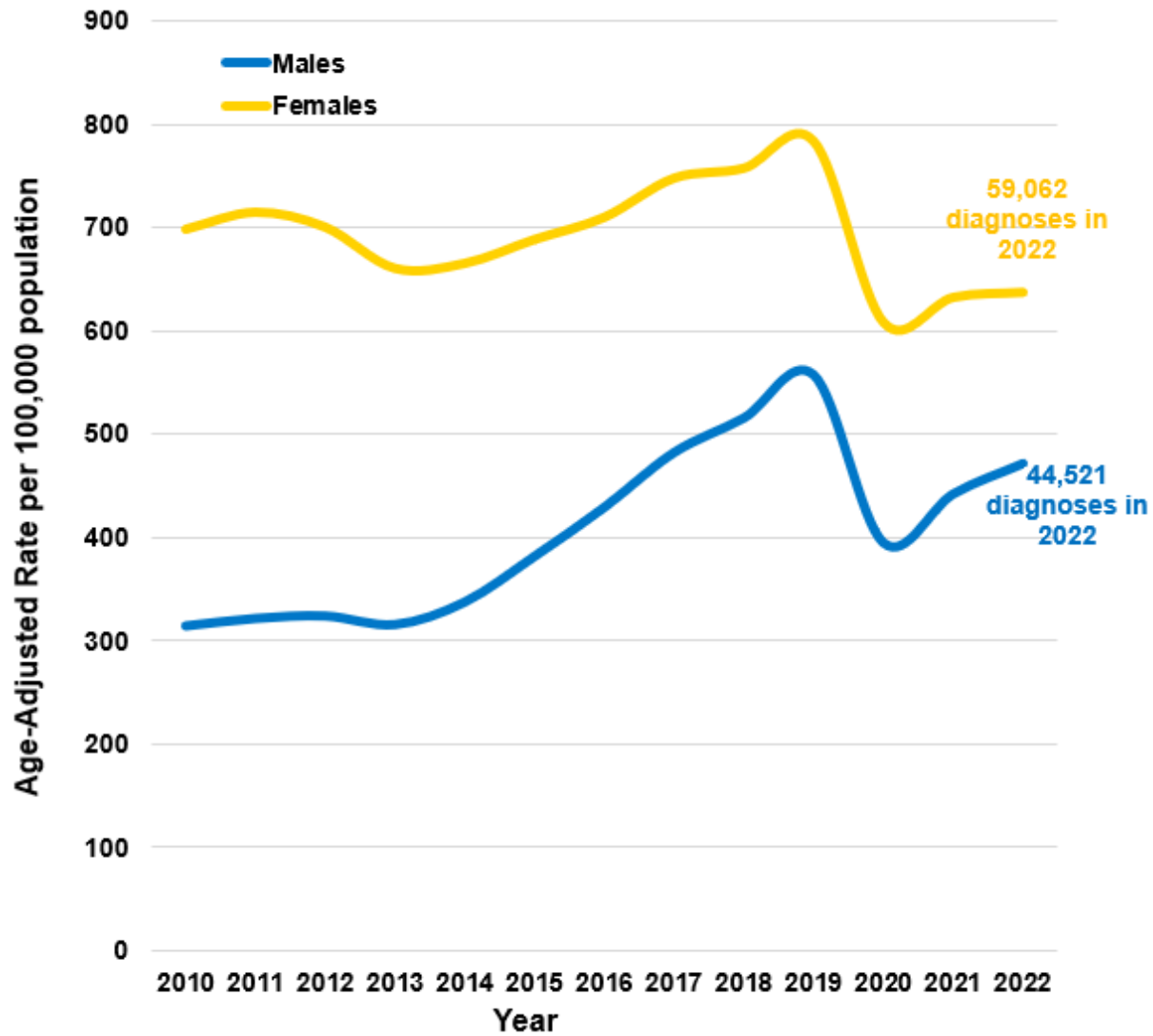


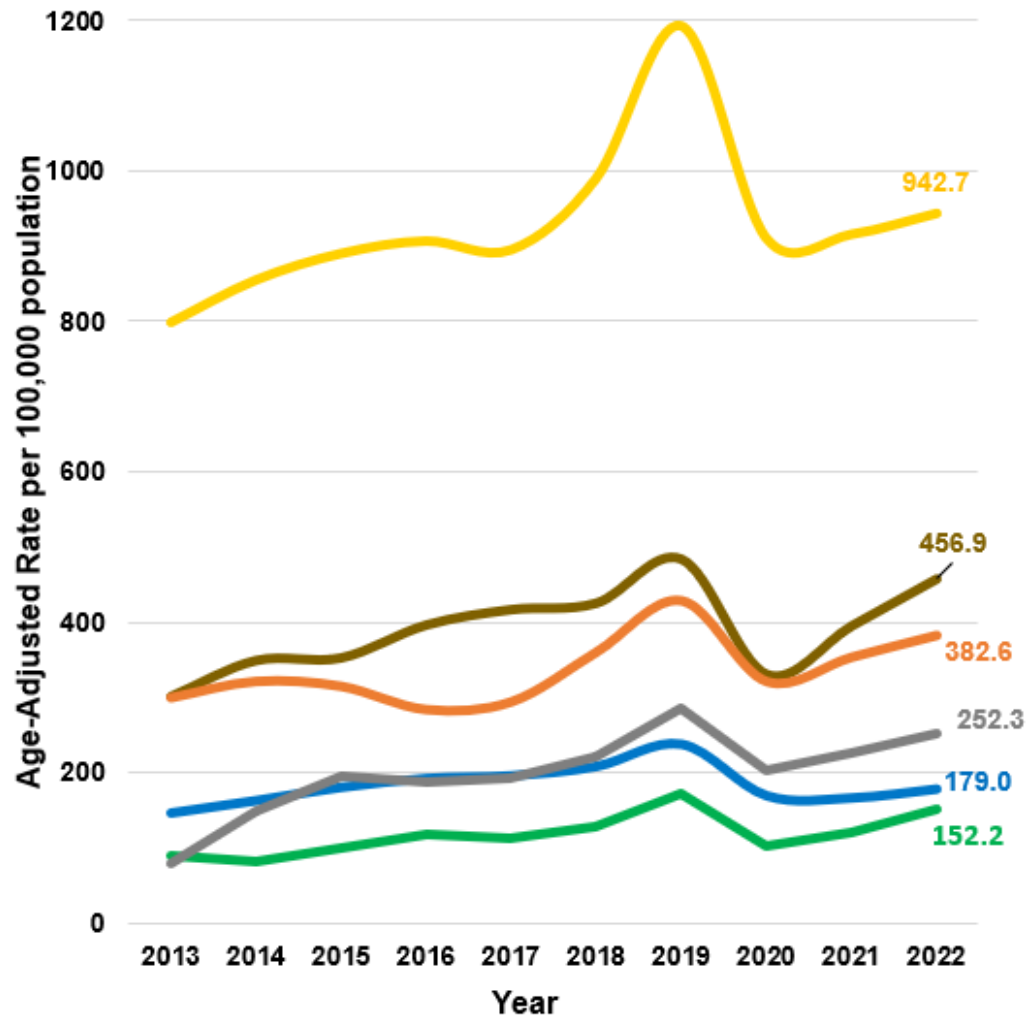
Figure 12. Chlamydia Rates by Sex and Year, New York State, 2010 - 2022



What this figure shows

Chlamydia rates among females remain higher than males. The gap between female and male diagnoses has been narrowing after 2010

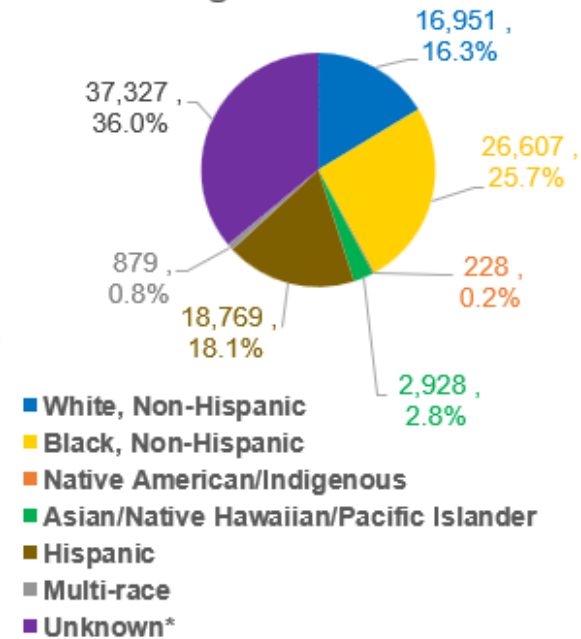
Figure 13. Chlamydia Rates by Race/Ethnicity and Year, New York State, 2013 - 2022



What this figure shows

Non-Hispanic Black individuals continue to experience the highest rates of chlamydia followed by **Hispanic, Native American/ Indigenous,** and **Multi-race** respectively

Number and Proportion of Diagnoses in 2022



*Data on race/ethnicity should be interpreted with caution given high proportion of diagnoses with unknown information

Figure 14. Chlamydia Rates by Age and Sex, New York State, 2022

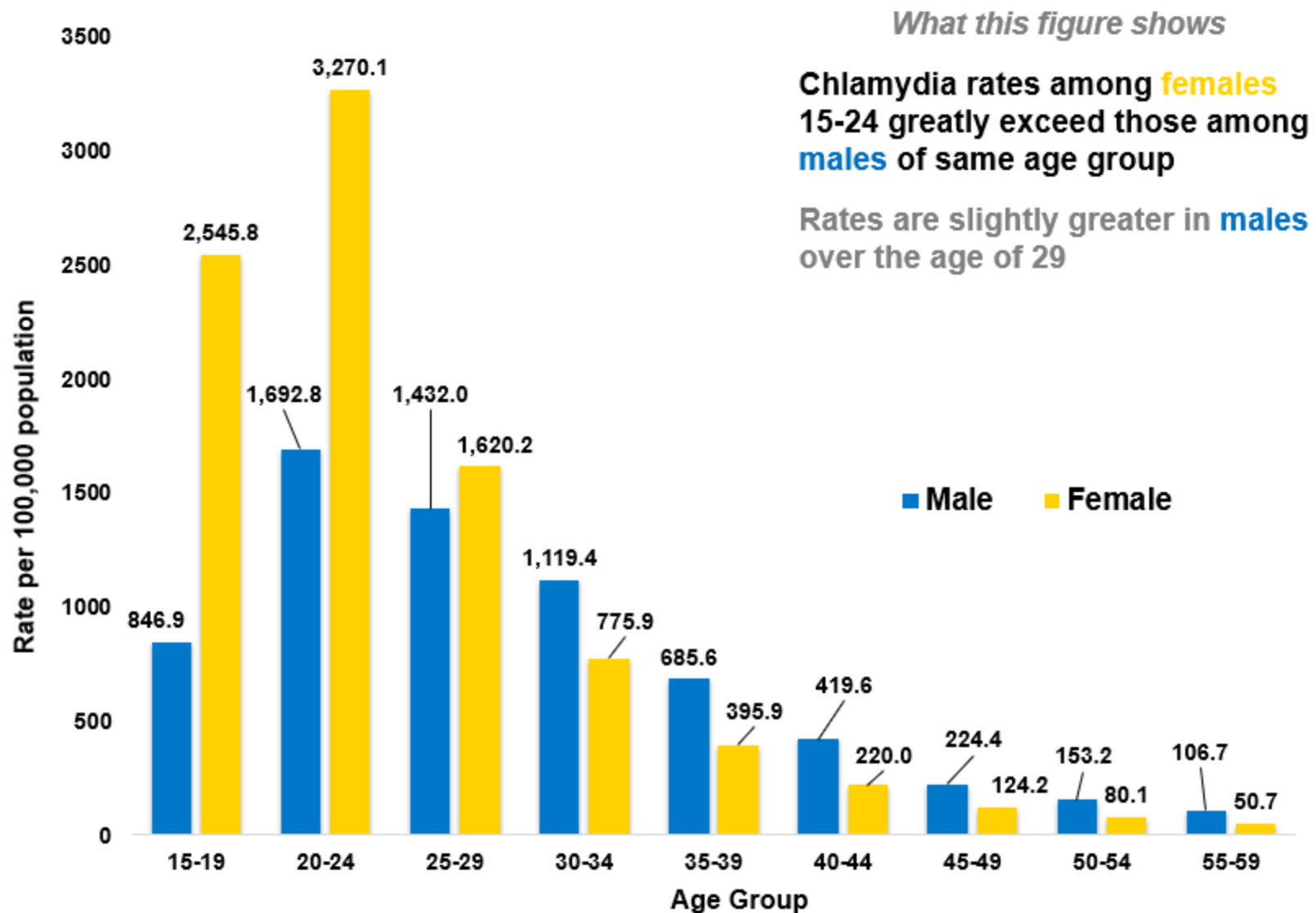


Table 14. Chlamydia by Region/County and Sex, New York State, 2022

| Region/County | Male | | Female | | Total | |
|-----------------------------|-----------|---------|-----------|---------|-----------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 44,521 | 471.2 | 59,062 | 636.9 | 103,689 | 553.4 |
| New York City (NYC) | 30,370 | 739.2 | 33,366 | 837.3 | 63,842 | 789.0 |
| Bronx | 5,503 | 817.0 | 9,449 | 1,356.0 | 14,980 | 1,083.4 |
| Kings | 9,265 | 725.9 | 10,057 | 818.6 | 19,353 | 770.8 |
| New York | 8,902 | 1,023.9 | 5,669 | 677.1 | 14,594 | 859.1 |
| Queens | 6,129 | 575.7 | 7,214 | 719.3 | 13,367 | 647.2 |
| Richmond | 571 | 248.9 | 977 | 447.0 | 1,548 | 345.3 |
| NYS excl. NYC | 14,151 | 260.9 | 25,696 | 489.9 | 39,847 | 372.5 |
| Buffalo Region | 1,996 | 275.9 | 3,856 | 555.6 | 5,852 | 412.6 |
| Allegany | 30 | 116.3 | 68 | 280.9 | 98 | 193.7 |
| Cattaraugus | 60 | 175.1 | 118 | 355.1 | 178 | 262.5 |
| Chautauqua | 128 | 230.8 | 306 | 565.3 | 434 | 392.0 |
| Erie | 1,489 | 332.1 | 2,624 | 601.0 | 4,113 | 464.8 |
| Genesee | 47 | 181.7 | 79 | 343.6 | 126 | 257.7 |
| Niagara | 213 | 228.9 | 547 | 624.1 | 760 | 422.0 |
| Orleans | 16 | 88.4 | 70 | 426.7 | 86 | 249.2 |
| Wyoming | 13 | 65.3 | 44 | 303.6 | 57 | 172.0 |
| Capital Region | 1,546 | 209.6 | 2,776 | 390.2 | 4,322 | 297.4 |
| Albany | 587 | 347.3 | 894 | 488.0 | 1,481 | 418.6 |
| Clinton | 63 | 152.7 | 109 | 265.8 | 172 | 209.3 |
| Columbia | 60 | 252.6 | 64 | 301.9 | 124 | 273.1 |
| Delaware | 37 | 191.4 | 67 | 367.4 | 104 | 271.3 |
| Essex | 10 | 67.3 | 24 | 203.7 | 34 | 127.7 |
| Franklin | 15 | 63.6 | 52 | 290.7 | 67 | 165.1 |
| Fulton | 34 | 140.7 | 110 | 530.9 | 144 | 328.8 |
| Greene | 37 | 161.1 | 50 | 304.3 | 87 | 217.4 |
| Hamilton | 2 | 79.0 | 2 | 126.1 | 4 | 105.5 |
| Montgomery | 28 | 125.6 | 76 | 361.2 | 104 | 239.8 |
| Otsego | 46 | 121.6 | 108 | 255.2 | 154 | 191.0 |
| Rensselaer | 185 | 226.1 | 354 | 491.3 | 539 | 348.8 |
| Saratoga | 108 | 101.1 | 244 | 245.8 | 352 | 172.0 |
| Schenectady | 250 | 321.6 | 429 | 562.5 | 679 | 439.0 |
| Schoharie | 11 | 83.5 | 29 | 216.6 | 40 | 148.5 |
| Warren | 45 | 154.0 | 95 | 381.4 | 140 | 261.4 |
| Washington | 28 | 99.6 | 69 | 314.0 | 97 | 194.1 |

Rates are per 100,000 persons, and age-adjusted.

| Region/County | Male | | Female | | Total | |
|-------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 2,123 | 238.2 | 3,950 | 460.1 | 6,073 | 345.6 |
| Broome | 211 | 211.9 | 401 | 388.4 | 612 | 297.2 |
| Cayuga | 63 | 185.8 | 127 | 425.5 | 190 | 298.9 |
| Chenango | 29 | 143.1 | 70 | 391.1 | 99 | 262.3 |
| Cortland | 49 | 187.8 | 85 | 300.7 | 134 | 245.7 |
| Herkimer | 35 | 134.9 | 88 | 358.8 | 123 | 243.0 |
| Jefferson | 304 | 353.5 | 381 | 692.2 | 685 | 492.4 |
| Lewis | 4 | 36.1 | 29 | 272.6 | 33 | 149.6 |
| Madison | 34 | 102.7 | 72 | 219.6 | 106 | 160.8 |
| Oneida | 237 | 215.3 | 544 | 540.7 | 781 | 369.5 |
| Onondaga | 780 | 351.1 | 1,553 | 680.3 | 2,333 | 517.0 |
| Oswego | 95 | 160.1 | 161 | 283.2 | 256 | 219.8 |
| St Lawrence | 77 | 129.3 | 158 | 286.6 | 235 | 202.3 |
| Tioga | 34 | 167.4 | 74 | 396.6 | 108 | 276.8 |
| Tompkins | 171 | 246.4 | 207 | 246.8 | 378 | 246.3 |
| Rochester Region | 2,327 | 392.2 | 3,846 | 655.3 | 6,173 | 521.7 |
| Chemung | 213 | 576.3 | 246 | 710.6 | 459 | 643.2 |
| Livingston | 27 | 92.0 | 71 | 199.4 | 98 | 147.1 |
| Monroe | 1,820 | 499.6 | 2,913 | 799.1 | 4,733 | 646.8 |
| Ontario | 79 | 153.9 | 168 | 341.5 | 247 | 246.0 |
| Schuyler | 11 | 160.8 | 32 | 507.8 | 43 | 325.8 |
| Seneca | 16 | 103.0 | 50 | 400.4 | 66 | 237.7 |
| Steuben | 54 | 138.0 | 140 | 375.9 | 194 | 253.0 |
| Wayne | 89 | 236.6 | 204 | 568.3 | 293 | 399.1 |
| Yates | 18 | 181.9 | 22 | 199.7 | 40 | 193.6 |
| Hudson Valley | 2,874 | 257.9 | 5,066 | 465.7 | 7,940 | 359.8 |
| Dutchess | 326 | 228.8 | 618 | 442.7 | 944 | 334.2 |
| Orange | 460 | 223.5 | 920 | 464.4 | 1,380 | 340.4 |
| Putnam | 67 | 150.6 | 111 | 274.0 | 178 | 210.3 |
| Rockland | 345 | 218.8 | 615 | 396.8 | 960 | 305.0 |
| Sullivan | 55 | 147.2 | 158 | 479.2 | 213 | 305.1 |
| Ulster | 185 | 219.3 | 280 | 349.1 | 465 | 284.3 |
| Westchester | 1,436 | 323.6 | 2,364 | 536.9 | 3,800 | 429.2 |
| Long Island | 3,285 | 241.9 | 6,202 | 478.0 | 9,487 | 356.7 |
| Nassau | 1,547 | 245.4 | 2,745 | 453.0 | 4,292 | 346.6 |
| Suffolk | 1,738 | 238.9 | 3,457 | 499.8 | 5,195 | 365.6 |

Table 15. Chlamydia by Region and Sex and Age, New York State, 2022

| Age(years) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------------|----------------------|---------|---------------------|---------|---------------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Male | | | | | | |
| 10-14 | 96 | 16.6 | 61 | 25.8 | 35 | 10.2 |
| 15-19 | 5,158 | 846.9 | 2,865 | 1,259.6 | 2,293 | 600.9 |
| 20-24 | 11,045 | 1,692.8 | 6,332 | 2,525.3 | 4,713 | 1,173.2 |
| 25-29 | 9,682 | 1,432.0 | 6,836 | 2,113.6 | 2,846 | 806.9 |
| 30-34 | 7,973 | 1,119.3 | 6,175 | 1,743.8 | 1,798 | 502.0 |
| 35-39 | 4,516 | 685.6 | 3,548 | 1,166.8 | 968 | 272.9 |
| 40-44 | 2,565 | 419.6 | 1,981 | 747.3 | 584 | 168.7 |
| 45-49 | 1,267 | 224.4 | 952 | 393.9 | 315 | 97.5 |
| 50-54 | 953 | 153.2 | 725 | 287.2 | 228 | 61.7 |
| 55-59 | 688 | 106.7 | 493 | 196.5 | 195 | 49.5 |
| 60-64 | 357 | 56.6 | 252 | 107.0 | 105 | 26.6 |
| 65-69 | 132 | 24.8 | 93 | 47.0 | 39 | 11.7 |
| 70+ | 78 | 7.6 | 49 | 12.7 | 29 | 4.5 |
| Female | | | | | | |
| 10-14 | 577 | 105.0 | 318 | 141.5 | 259 | 79.8 |
| 15-19 | 14,906 | 2,545.8 | 7,886 | 3,557.2 | 7,020 | 1,929.5 |
| 20-24 | 21,320 | 3,270.1 | 11,389 | 4,250.2 | 9,931 | 2,586.1 |
| 25-29 | 10,995 | 1,620.2 | 6,686 | 1,930.8 | 4,309 | 1,296.5 |
| 30-34 | 5,435 | 775.9 | 3,325 | 932.6 | 2,110 | 613.5 |
| 35-39 | 2,576 | 395.9 | 1,581 | 518.1 | 995 | 288.0 |
| 40-44 | 1,348 | 220.0 | 851 | 310.0 | 497 | 147.0 |
| 45-49 | 717 | 124.2 | 458 | 177.6 | 259 | 81.1 |
| 50-54 | 510 | 80.1 | 357 | 133.2 | 153 | 41.5 |
| 55-59 | 342 | 50.7 | 263 | 97.0 | 79 | 19.6 |
| 60-64 | 192 | 28.7 | 144 | 54.8 | 48 | 11.8 |
| 65-69 | 75 | 12.7 | 55 | 23.4 | 20 | 5.7 |
| 70+ | 47 | 3.3 | 38 | 6.6 | 9 | 1.1 |

| Age(years) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------------|----------------------|---------|---------------------|---------|---------------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Total | | | | | | |
| 10-14 | 674 | 59.7 | 380 | 82.3 | 294 | 44.1 |
| 15-19 | 20,072 | 1,680.3 | 10,759 | 2,395.4 | 9,313 | 1,249.4 |
| 20-24 | 32,384 | 2,482.6 | 17,740 | 3,420.0 | 14,644 | 1,863.7 |
| 25-29 | 20,700 | 1,527.9 | 13,545 | 2,022.5 | 7,155 | 1,044.4 |
| 30-34 | 13,432 | 950.8 | 9,524 | 1,340.2 | 3,908 | 556.6 |
| 35-39 | 7,111 | 543.1 | 5,148 | 845.0 | 1,963 | 280.4 |
| 40-44 | 3,916 | 319.9 | 2,835 | 525.4 | 1,081 | 158.0 |
| 45-49 | 1,989 | 174.2 | 1,415 | 283.2 | 574 | 89.4 |
| 50-54 | 1,465 | 116.4 | 1,084 | 208.2 | 381 | 51.6 |
| 55-59 | 1,030 | 78.1 | 756 | 144.8 | 274 | 34.4 |
| 60-64 | 550 | 42.3 | 397 | 79.7 | 153 | 19.1 |
| 65-69 | 208 | 18.6 | 149 | 34.4 | 59 | 8.6 |
| 70+ | 125 | 5.1 | 87 | 9.1 | 38 | 2.6 |

Rates are per 100,000 persons

Table 16. Chlamydia Among Young Females by Region/County and Age, New York State, 2022

| Region/County | 15-19 years | | 20-24 years | | 15-24 years | |
|-----------------------------|-------------|---------|-------------|---------|-------------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 14,906 | 2,545.8 | 21,320 | 3,270.1 | 36,226 | 2,927.4 |
| New York City (NYC) | 7,886 | 3,557.2 | 11,389 | 4,250.2 | 19,275 | 3,936.5 |
| Bronx | 2,613 | 5,834.2 | 3,183 | 6,518.4 | 5,796 | 6,191.1 |
| Kings | 2,442 | 3,574.5 | 3,343 | 4,232.8 | 5,785 | 3,927.5 |
| New York | 1,170 | 3,114.2 | 2,077 | 3,397.6 | 3,247 | 3,289.7 |
| Queens | 1,423 | 2,526.1 | 2,410 | 3,753.3 | 3,833 | 3,179.8 |
| Richmond | 238 | 1,621.0 | 376 | 2,538.5 | 614 | 2,081.8 |
| NYS excl. NYC | 7,020 | 1,929.5 | 9,931 | 2,586.1 | 16,951 | 2,266.7 |
| Buffalo Region | 1,245 | 2,658.7 | 1,460 | 2,958.5 | 2,705 | 2,812.5 |
| Allegany | 23 | 1,071.8 | 24 | 1,157.7 | 47 | 1,114.0 |
| Cattaraugus | 45 | 1,758.5 | 43 | 1,859.9 | 88 | 1,806.6 |
| Chautauqua | 86 | 2,108.9 | 128 | 3,364.9 | 214 | 2,715.0 |
| Erie | 858 | 3,029.7 | 992 | 3,150.7 | 1,850 | 3,093.4 |
| Genesee | 14 | 831.4 | 32 | 2,133.3 | 46 | 1,444.7 |
| Niagara | 188 | 3,191.3 | 201 | 3,324.0 | 389 | 3,258.5 |
| Orleans | 20 | 1,759.0 | 22 | 1,921.4 | 42 | 1,840.5 |
| Wyoming | 11 | 1,087.0 | 18 | 1,829.3 | 29 | 1,452.9 |
| Capital Region | 708 | 1,503.8 | 1,130 | 2,055.7 | 1,838 | 1,801.1 |
| Albany | 223 | 1,934.3 | 368 | 2,127.7 | 591 | 2,050.3 |
| Clinton | 25 | 954.2 | 55 | 1,524.0 | 80 | 1,284.3 |
| Columbia | 14 | 1,053.4 | 29 | 2,030.8 | 43 | 1,559.7 |
| Delaware | 33 | 2,386.1 | 18 | 1,501.3 | 51 | 1,975.2 |
| Essex | 11 | 1,344.7 | 9 | 1,143.6 | 20 | 1,246.1 |
| Franklin | 14 | 1,072.0 | 17 | 1,416.7 | 31 | 1,237.0 |
| Fulton | 30 | 2,141.3 | 42 | 2,983.0 | 72 | 2,563.2 |
| Greene | 7 | 750.3 | 23 | 2,159.6 | 30 | 1,501.5 |
| Hamilton | - | 0.0 | 1 | 925.9 | 1 | 483.1 |
| Montgomery | 16 | 1,108.0 | 34 | 2,406.2 | 50 | 1,750.1 |
| Otsego | 30 | 814.6 | 55 | 1,310.8 | 85 | 1,078.8 |
| Rensselaer | 90 | 1,880.1 | 133 | 2,678.2 | 223 | 2,286.5 |
| Saratoga | 66 | 996.7 | 103 | 1,512.9 | 169 | 1,258.4 |
| Schenectady | 105 | 2,057.2 | 161 | 2,968.8 | 266 | 2,526.8 |
| Schoharie | 11 | 1,046.6 | 8 | 832.5 | 19 | 944.3 |
| Warren | 17 | 1,109.7 | 48 | 2,823.5 | 65 | 2,011.1 |
| Washington | 16 | 1,111.1 | 26 | 1,855.8 | 42 | 1,478.4 |

Rates are per 100,000 persons

| Region/County | 15-19 years | | 20-24 years | | 15-24 years | |
|-------------------------|-------------|---------|-------------|---------|-------------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 1,151 | 1,880.2 | 1,558 | 2,294.3 | 2,709 | 2,098.0 |
| Broome | 116 | 1,557.5 | 147 | 1,452.1 | 263 | 1,496.8 |
| Cayuga | 31 | 1,531.6 | 46 | 2,209.4 | 77 | 1,875.3 |
| Chenango | 18 | 1,500.0 | 29 | 2,400.7 | 47 | 1,951.8 |
| Cortland | 22 | 947.1 | 35 | 1,164.7 | 57 | 1,069.8 |
| Herkimer | 21 | 1,143.2 | 37 | 2,303.9 | 58 | 1,684.6 |
| Jefferson | 77 | 2,553.9 | 176 | 4,097.8 | 253 | 3,461.0 |
| Lewis | 6 | 831.0 | 14 | 1,971.8 | 20 | 1,396.6 |
| Madison | 16 | 545.9 | 30 | 1,108.2 | 46 | 815.9 |
| Oneida | 183 | 2,550.5 | 213 | 3,029.9 | 396 | 2,787.8 |
| Onondaga | 479 | 3,006.7 | 567 | 3,454.4 | 1,046 | 3,233.9 |
| Oswego | 50 | 1,147.6 | 71 | 1,767.0 | 121 | 1,444.8 |
| St Lawrence | 54 | 1,186.3 | 64 | 1,468.9 | 118 | 1,324.5 |
| Tioga | 27 | 2,033.1 | 23 | 1,862.3 | 50 | 1,950.8 |
| Tompkins | 51 | 800.0 | 106 | 1,162.8 | 157 | 1,013.5 |
| Rochester Region | 1,104 | 2,755.7 | 1,386 | 3,281.9 | 2,490 | 3,025.8 |
| Chemung | 80 | 3,293.5 | 83 | 3,387.8 | 163 | 3,340.8 |
| Livingston | 19 | 739.3 | 36 | 1,096.2 | 55 | 939.5 |
| Monroe | 864 | 3,534.8 | 1,008 | 3,883.2 | 1,872 | 3,714.2 |
| Ontario | 57 | 1,662.8 | 76 | 2,145.1 | 133 | 1,907.9 |
| Schuyler | 6 | 1,511.3 | 14 | 3,482.6 | 20 | 2,503.1 |
| Seneca | 11 | 1,286.5 | 19 | 2,305.8 | 30 | 1,786.8 |
| Steuben | 23 | 900.2 | 51 | 2,031.9 | 74 | 1,461.0 |
| Wayne | 37 | 1,494.3 | 92 | 3,852.6 | 129 | 2,652.1 |
| Yates | 7 | 770.1 | 7 | 802.8 | 14 | 786.1 |
| Hudson Valley | 1,263 | 1,574.3 | 1,956 | 2,533.2 | 3,219 | 2,044.6 |
| Dutchess | 157 | 1,599.8 | 254 | 2,429.7 | 411 | 2,027.8 |
| Orange | 237 | 1,514.1 | 358 | 2,501.2 | 595 | 1,985.6 |
| Putnam | 30 | 1,054.5 | 41 | 1,465.9 | 71 | 1,258.4 |
| Rockland | 136 | 1,108.4 | 253 | 2,291.0 | 389 | 1,668.6 |
| Sullivan | 38 | 1,736.0 | 66 | 2,781.3 | 104 | 2,279.7 |
| Ulster | 74 | 1,298.7 | 107 | 1,920.7 | 181 | 1,606.2 |
| Westchester | 591 | 1,861.1 | 877 | 2,860.0 | 1,468 | 2,351.8 |
| Long Island | 1,549 | 1,752.1 | 2,441 | 2,643.5 | 3,990 | 2,207.5 |
| Nassau | 671 | 1,599.2 | 1,057 | 2,507.1 | 1,728 | 2,054.2 |
| Suffolk | 878 | 1,890.3 | 1,384 | 2,758.1 | 2,262 | 2,340.9 |

Table 17. Chlamydia by Region/County and Year, New York State, 2020 - 2022

| Region/County | 2020 | | 2021 | | 2022 | |
|-----------------------------|-----------|-------|-----------|---------|-----------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 97,199 | 500.4 | 101,730 | 536.1 | 103,689 | 553.4 |
| New York City (NYC) | 56,167 | 652.9 | 62,011 | 760.0 | 63,842 | 789.0 |
| Bronx | 14,265 | 940.0 | 15,020 | 1,040.8 | 14,980 | 1,083.4 |
| Kings | 17,129 | 643.5 | 19,038 | 746.7 | 19,353 | 770.8 |
| New York | 12,315 | 692.1 | 13,751 | 847.0 | 14,594 | 859.1 |
| Queens | 11,022 | 500.1 | 12,704 | 600.9 | 13,367 | 647.2 |
| Richmond | 1,436 | 315.8 | 1,498 | 330.8 | 1,548 | 345.3 |
| NYS excl. NYC | 41,032 | 378.9 | 39,719 | 365.8 | 39,847 | 372.5 |
| Buffalo Region | 6,769 | 468.1 | 6,279 | 434.6 | 5,852 | 412.6 |
| Allegany | 111 | 216.1 | 84 | 153.9 | 98 | 193.7 |
| Cattaraugus | 168 | 246.9 | 188 | 275.6 | 178 | 262.5 |
| Chautauqua | 505 | 437.8 | 433 | 384.7 | 434 | 392.0 |
| Erie | 4,938 | 547.7 | 4,511 | 497.3 | 4,113 | 464.8 |
| Genesee | 127 | 254.3 | 153 | 309.7 | 126 | 257.7 |
| Niagara | 750 | 406.4 | 759 | 416.5 | 760 | 422.0 |
| Orleans | 106 | 289.4 | 84 | 239.7 | 86 | 249.2 |
| Wyoming | 64 | 186.0 | 67 | 201.2 | 57 | 172.0 |
| Capital Region | 4,923 | 338.7 | 4,267 | 288.6 | 4,322 | 297.4 |
| Albany | 1,565 | 443.2 | 1,394 | 386.4 | 1,481 | 418.6 |
| Clinton | 203 | 240.4 | 170 | 202.4 | 172 | 209.3 |
| Columbia | 147 | 315.6 | 128 | 269.6 | 124 | 273.1 |
| Delaware | 61 | 160.8 | 80 | 206.3 | 104 | 271.3 |
| Essex | 48 | 166.7 | 52 | 184.6 | 34 | 127.7 |
| Franklin | 72 | 162.7 | 72 | 168.6 | 67 | 165.1 |
| Fulton | 146 | 332.7 | 150 | 345.0 | 144 | 328.8 |
| Greene | 100 | 249.7 | 92 | 229.6 | 87 | 217.4 |
| Hamilton | 1 | 29.6 | 1 | 30.8 | 4 | 105.5 |
| Montgomery | 169 | 393.1 | 133 | 308.5 | 104 | 239.8 |
| Otsego | 132 | 174.0 | 132 | 174.5 | 154 | 191.0 |
| Rensselaer | 709 | 444.9 | 481 | 304.8 | 539 | 348.8 |
| Saratoga | 444 | 216.4 | 389 | 188.8 | 352 | 172.0 |
| Schenectady | 845 | 574.6 | 739 | 475.0 | 679 | 439.0 |
| Schoharie | 52 | 193.6 | 49 | 176.7 | 40 | 148.5 |
| Warren | 107 | 202.1 | 115 | 216.4 | 140 | 261.4 |
| Washington | 122 | 237.9 | 90 | 177.2 | 97 | 194.1 |

Rates are per 100,000 persons, and age-adjusted.

| Region/County | 2020 | | 2021 | | 2022 | |
|-------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 6,585 | 364.8 | 6,312 | 350.9 | 6,073 | 345.6 |
| Broome | 735 | 341.5 | 749 | 344.5 | 612 | 297.2 |
| Cayuga | 229 | 350.3 | 205 | 315.8 | 190 | 298.9 |
| Chenango | 78 | 204.6 | 111 | 298.9 | 99 | 262.3 |
| Cortland | 180 | 299.7 | 150 | 249.4 | 134 | 245.7 |
| Herkimer | 157 | 309.4 | 130 | 255.9 | 123 | 243.0 |
| Jefferson | 711 | 495.4 | 714 | 496.3 | 685 | 492.4 |
| Lewis | 52 | 234.7 | 31 | 141.4 | 33 | 149.6 |
| Madison | 144 | 195.0 | 118 | 168.9 | 106 | 160.8 |
| Oneida | 696 | 323.2 | 825 | 384.4 | 781 | 369.5 |
| Onondaga | 2,621 | 557.5 | 2,283 | 495.9 | 2,333 | 517.0 |
| Oswego | 257 | 221.7 | 298 | 259.1 | 256 | 219.8 |
| St Lawrence | 239 | 207.7 | 270 | 224.4 | 235 | 202.3 |
| Tioga | 95 | 236.9 | 91 | 233.3 | 108 | 276.8 |
| Tompkins | 391 | 263.2 | 337 | 203.8 | 378 | 246.3 |
| Rochester Region | 6,690 | 552.9 | 5,860 | 487.0 | 6,173 | 521.7 |
| Chemung | 339 | 458.4 | 324 | 442.4 | 459 | 643.2 |
| Livingston | 134 | 182.5 | 99 | 133.4 | 98 | 147.1 |
| Monroe | 5,357 | 717.8 | 4,592 | 617.6 | 4,733 | 646.8 |
| Ontario | 250 | 254.1 | 275 | 272.4 | 247 | 246.0 |
| Schuyler | 30 | 224.7 | 37 | 276.0 | 43 | 325.8 |
| Seneca | 60 | 195.7 | 64 | 218.4 | 66 | 237.7 |
| Steuben | 192 | 247.8 | 156 | 202.8 | 194 | 253.0 |
| Wayne | 294 | 395.5 | 278 | 375.0 | 293 | 399.1 |
| Yates | 34 | 140.7 | 35 | 160.6 | 40 | 193.6 |
| Hudson Valley | 7,095 | 318.8 | 7,596 | 340.1 | 7,940 | 359.8 |
| Dutchess | 891 | 312.8 | 884 | 307.2 | 944 | 334.2 |
| Orange | 1,430 | 353.8 | 1,434 | 354.9 | 1,380 | 340.4 |
| Putnam | 138 | 163.2 | 174 | 200.2 | 178 | 210.3 |
| Rockland | 935 | 296.3 | 1,003 | 317.1 | 960 | 305.0 |
| Sullivan | 213 | 306.2 | 197 | 283.0 | 213 | 305.1 |
| Ulster | 471 | 291.9 | 384 | 232.5 | 465 | 284.3 |
| Westchester | 3,017 | 334.4 | 3,520 | 390.8 | 3,800 | 429.2 |
| Long Island | 8,970 | 336.2 | 9,405 | 349.1 | 9,487 | 356.7 |
| Nassau | 4,173 | 332.9 | 4,496 | 357.8 | 4,292 | 346.6 |
| Suffolk | 4,797 | 339.1 | 4,909 | 341.4 | 5,195 | 365.6 |

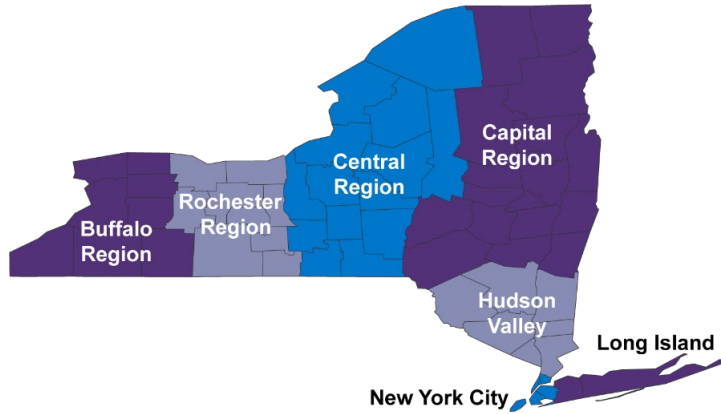
Table 18. Chlamydia by Region and Year, New York State, 2001 - 2022

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|-------|---------------------|-------|---------------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 2001 | 46,385 | 243.1 | 29,649 | 367.9 | 16,736 | 151.8 |
| 2002 | 51,344 | 268.3 | 33,276 | 412.2 | 18,068 | 163.3 |
| 2003 | 56,632 | 295.3 | 34,776 | 431.0 | 21,856 | 196.8 |
| 2004 | 58,907 | 307.3 | 34,187 | 425.0 | 24,720 | 222.1 |
| 2005 | 64,528 | 337.3 | 39,215 | 489.4 | 25,313 | 227.7 |
| 2006 | 68,725 | 359.7 | 41,236 | 515.8 | 27,489 | 247.4 |
| 2007 | 80,734 | 422.0 | 50,755 | 633.3 | 29,979 | 269.6 |
| 2008 | 88,459 | 460.4 | 56,448 | 699.6 | 32,011 | 287.2 |
| 2009 | 92,075 | 476.9 | 58,353 | 717.6 | 33,722 | 301.7 |
| 2010 | 99,821 | 515.1 | 63,544 | 777.3 | 36,277 | 323.8 |
| 2011 | 102,460 | 525.4 | 64,966 | 785.3 | 37,494 | 334.0 |
| 2012 | 100,687 | 514.4 | 62,460 | 748.3 | 38,227 | 340.5 |
| 2013 | 96,020 | 489.2 | 58,098 | 692.0 | 37,922 | 337.7 |
| 2014 | 98,262 | 500.0 | 59,417 | 704.5 | 38,845 | 346.2 |
| 2015 | 103,825 | 528.2 | 62,965 | 744.0 | 40,860 | 365.0 |
| 2016 | 109,549 | 557.9 | 66,748 | 788.1 | 42,801 | 383.3 |
| 2017 | 116,843 | 596.3 | 71,690 | 849.6 | 45,153 | 404.7 |
| 2018 | 119,670 | 612.3 | 72,445 | 862.8 | 47,225 | 423.6 |
| 2019 | 124,389 | 639.1 | 76,206 | 913.4 | 48,183 | 433.3 |
| 2020 | 97,199 | 481.2 | 56,167 | 638.0 | 41,032 | 360.0 |
| 2021 | 101,730 | 512.3 | 62,011 | 733.1 | 39,719 | 348.5 |
| 2022 | 103,689 | 527.0 | 63,842 | 765.9 | 39,847 | 351.3 |

Rates are per 100,000 persons

New York State Regional Profiles of Sexually Transmitted Infections

Percent Change in Age-Adjusted Rates of Sexually Transmitted Infections by Region
New York State, 2021 - 2022



Early Syphilis

| | All | Males | Females |
|--------------------------------------|----------|----------|-----------|
| New York State | + 3.5 % | + 1.9 % | + 11.8 % |
| New York City | + 2.0 % | + 0.4 % | + 10.2 % |
| New York State (excl. New York City) | + 9.7 % | + 8.8 % | + 13.5 % |
| Buffalo Region | - 10.1 % | - 1.8 % | - 56.7 % |
| Capital Region | + 1.0 % | - 2.1 % | + 12.1 % |
| Central Region | + 19.2 % | + 8.9 % | + 110.5 % |
| Hudson Valley | - 2.9 % | - 3.9 % | + 2.1 % |
| Long Island | + 43.3 % | + 41.7 % | + 52.6 % |
| Rochester Region | + 0.2 % | - 3.0 % | + 7.3 % |

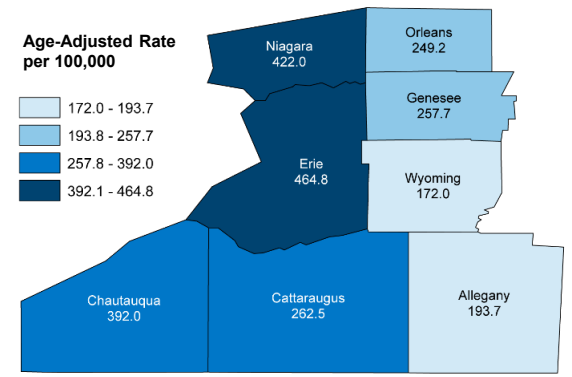
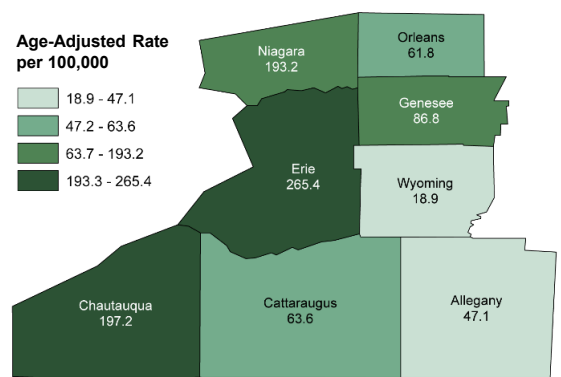
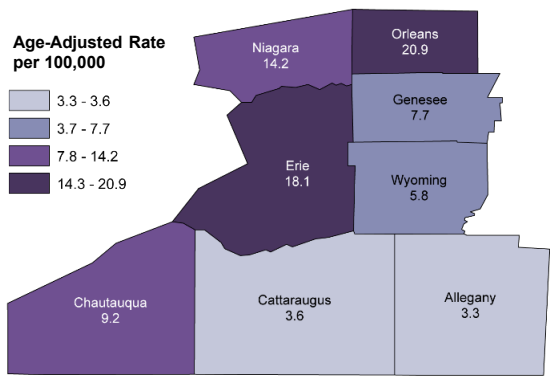
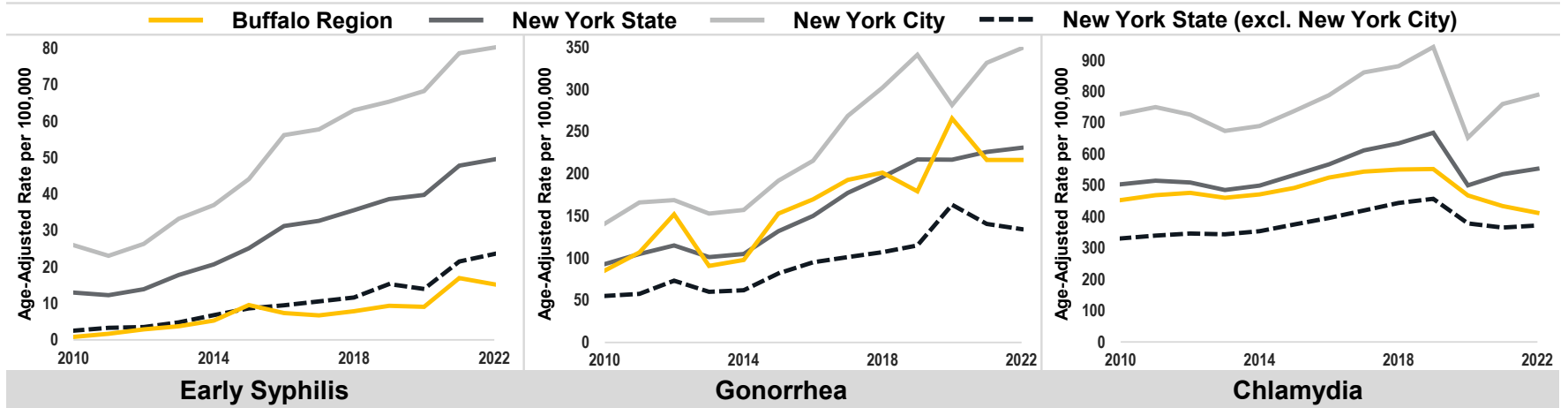
Gonorrhea

| | All | Males | Females |
|--------------------------------------|----------|----------|----------|
| New York State | + 2.2 % | + 10.3 % | - 14.4 % |
| New York City | + 5.1 % | + 12.2 % | - 14.3 % |
| New York State (excl. New York City) | - 4.3 % | + 4.8 % | - 15.0 % |
| Buffalo Region | 0.0 % | + 7.8 % | - 9.3 % |
| Capital Region | + 29.6 % | + 45.3 % | + 12.9 % |
| Central Region | - 18.4 % | - 10.9 % | - 26.0 % |
| Hudson Valley | - 5.8 % | + 0.7 % | - 15.8 % |
| Long Island | - 7.0 % | + 0.5 % | - 20.1 % |
| Rochester Region | - 11.8 % | - 1.2 % | - 21.7 % |

Chlamydia

| | All | Males | Females |
|--------------------------------------|---------|----------|---------|
| New York State | + 3.2 % | + 6.6 % | + 0.8 % |
| New York City | + 3.8 % | + 6.5 % | + 1.5 % |
| New York State (excl. New York City) | + 1.8 % | + 6.5 % | - 0.6 % |
| Buffalo Region | - 5.1 % | - 4.4 % | - 5.3 % |
| Capital Region | + 3.1 % | + 18.0 % | - 3.9 % |
| Central Region | - 1.5 % | + 4.1 % | - 4.4 % |
| Hudson Valley | + 5.8 % | + 7.3 % | + 4.9 % |
| Long Island | + 2.2 % | + 4.8 % | + 0.9 % |
| Rochester Region | + 7.1 % | + 15.8 % | + 2.4 % |

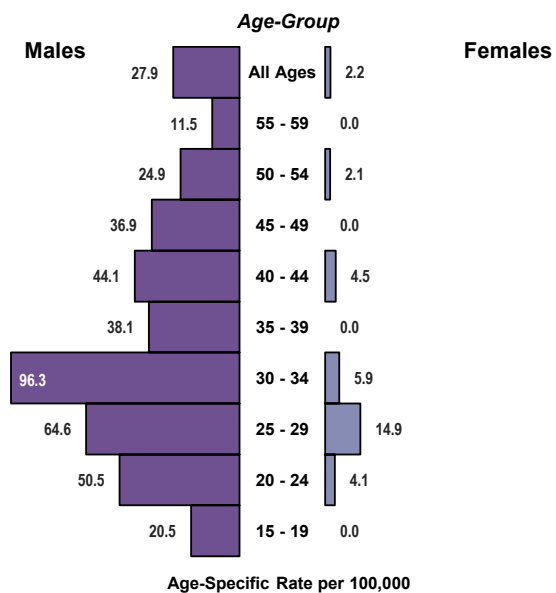
Buffalo Region: Age-Adjusted Rates by Location, 2022



Buffalo Region: Age-Specific Rates by Sex at Birth, 2022

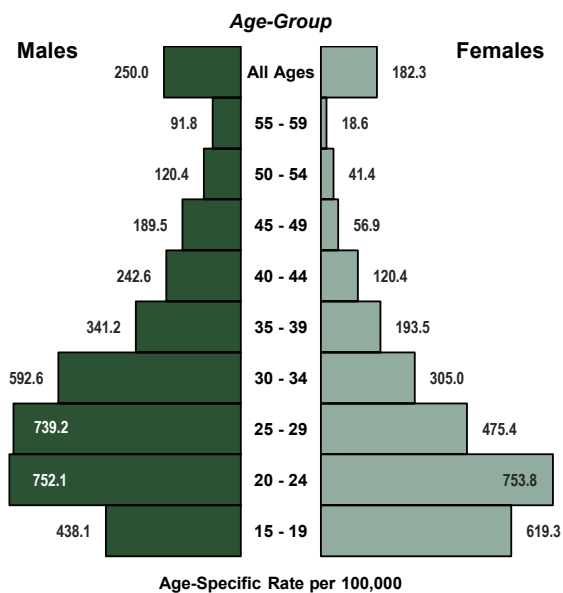
Early Syphilis

- **Early syphilis** rates were greater in males compared to females; among males, highest rates were in age group 30 - 34



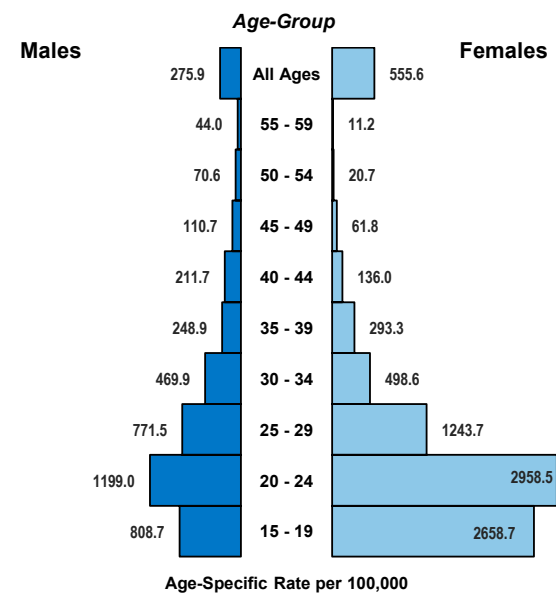
Gonorrhea

- **Gonorrhea** rates were similar among males and females aged 20-24 years old



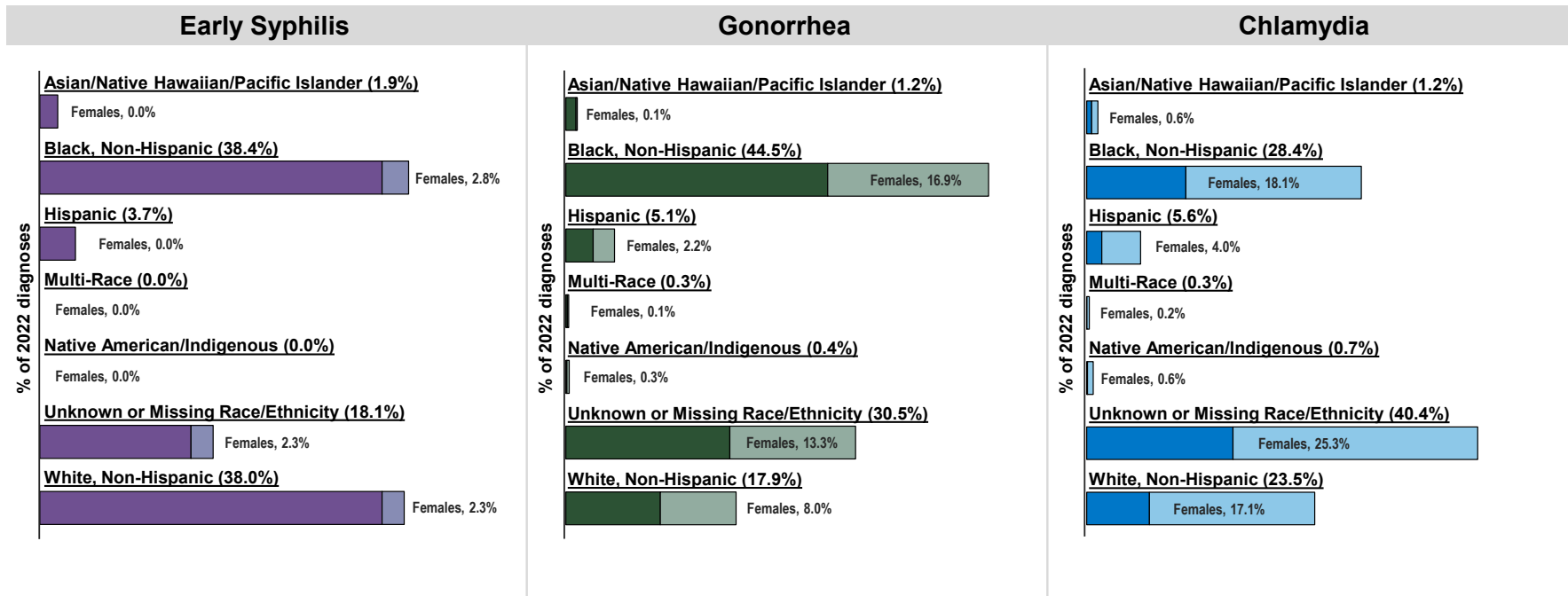
Chlamydia

- **Chlamydia** rates were the highest among persons aged 20-24 years old regardless of sex; among females highest rates are in ages 15 - 29



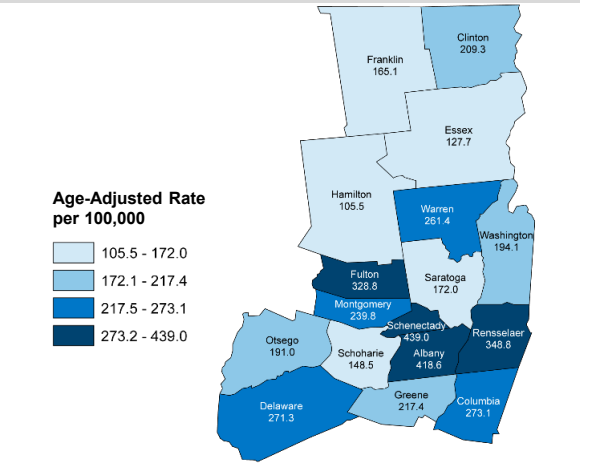
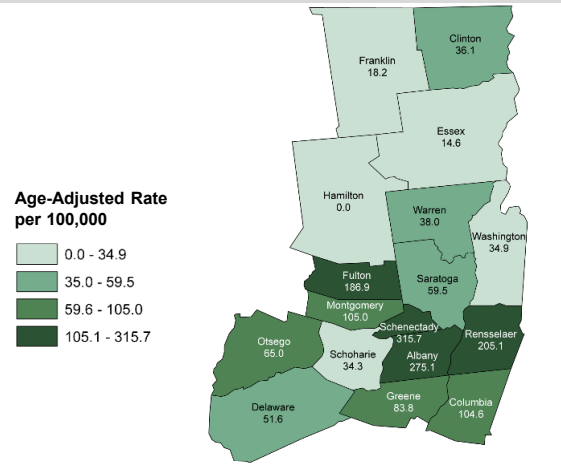
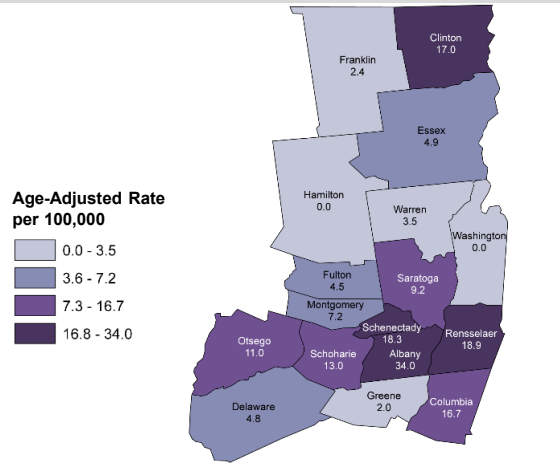
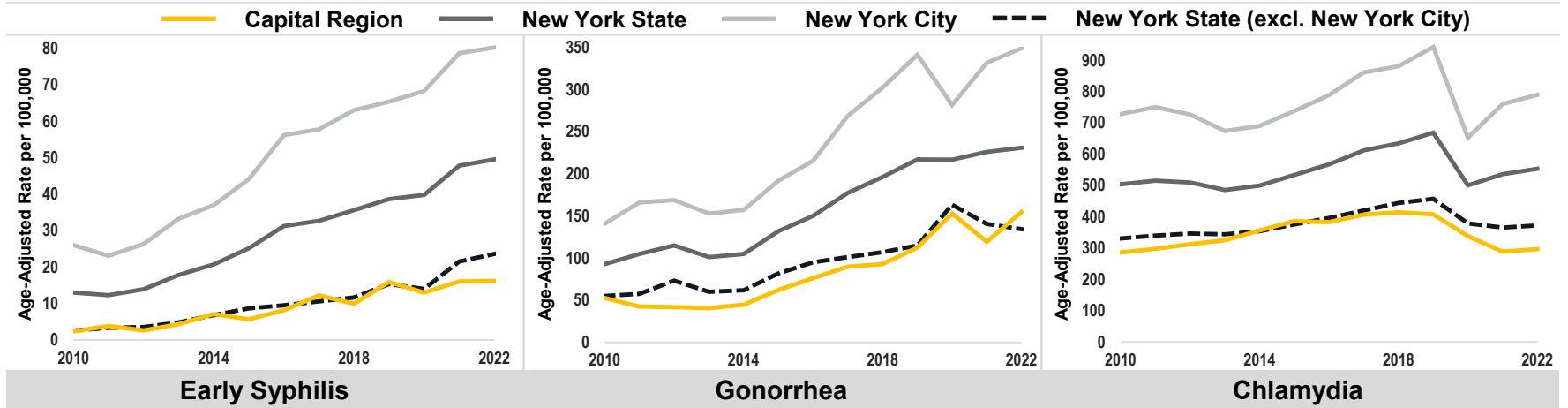
Buffalo Region Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity

- Most **early syphilis** and **gonorrhea** diagnoses were among males, regardless of race or ethnicity
- Race and ethnicity is underreported for persons diagnosed with **chlamydia**



Note: Percentages for males (dark bars) and females (light bars) sum to total percentage for specified racial/ethnic group (in parentheses)

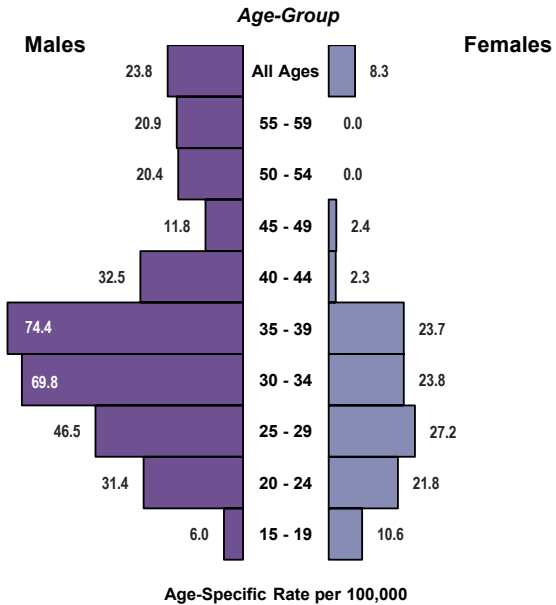
Capital Region: Age-Adjusted Rates by Location, 2022



Capital Region: Age-Specific Rates by Sex at Birth, 2022

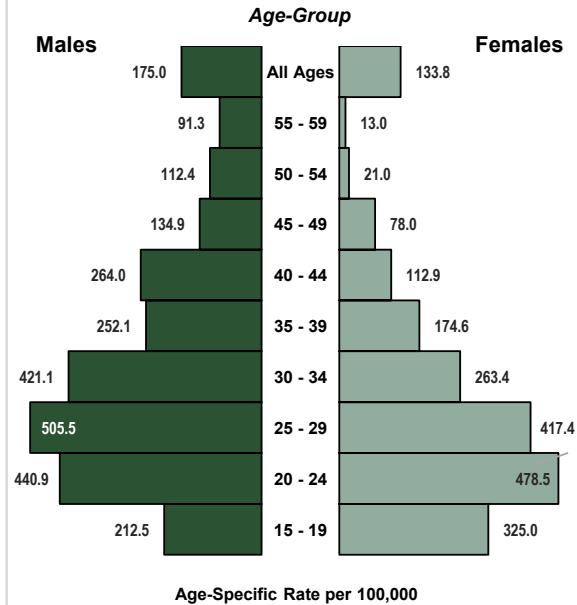
Early Syphilis

- Rates of **early syphilis** in males are far higher than in females with highest rates seen in age group 25 - 30



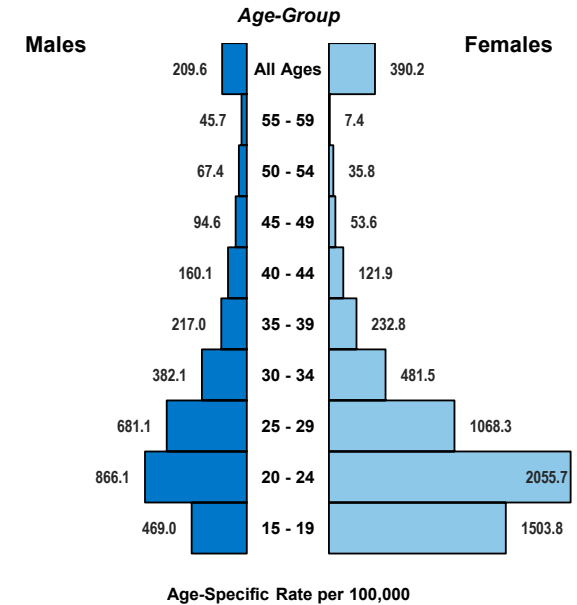
Gonorrhea

- Gonorrhea** rates were greatest among males aged 25-29 years old and females aged 20-24 years old



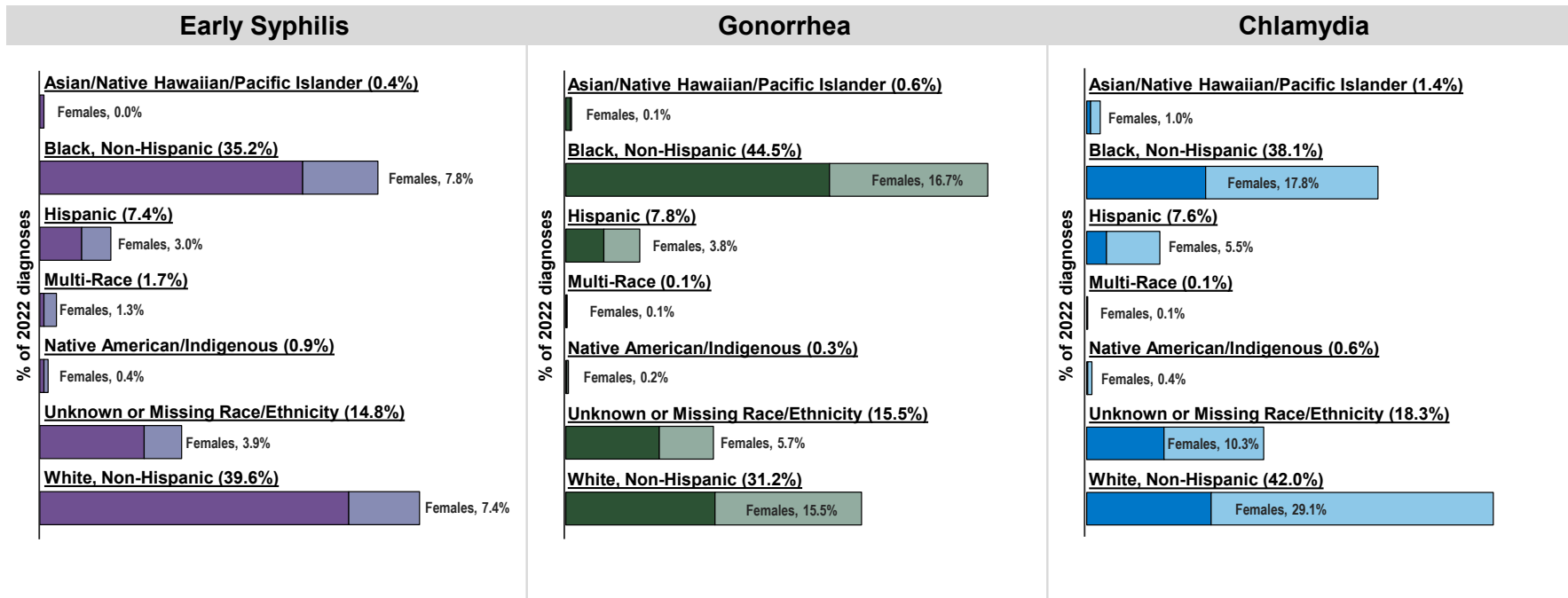
Chlamydia

- Females under age 35 had considerably greater rates of **chlamydia** as compared to males



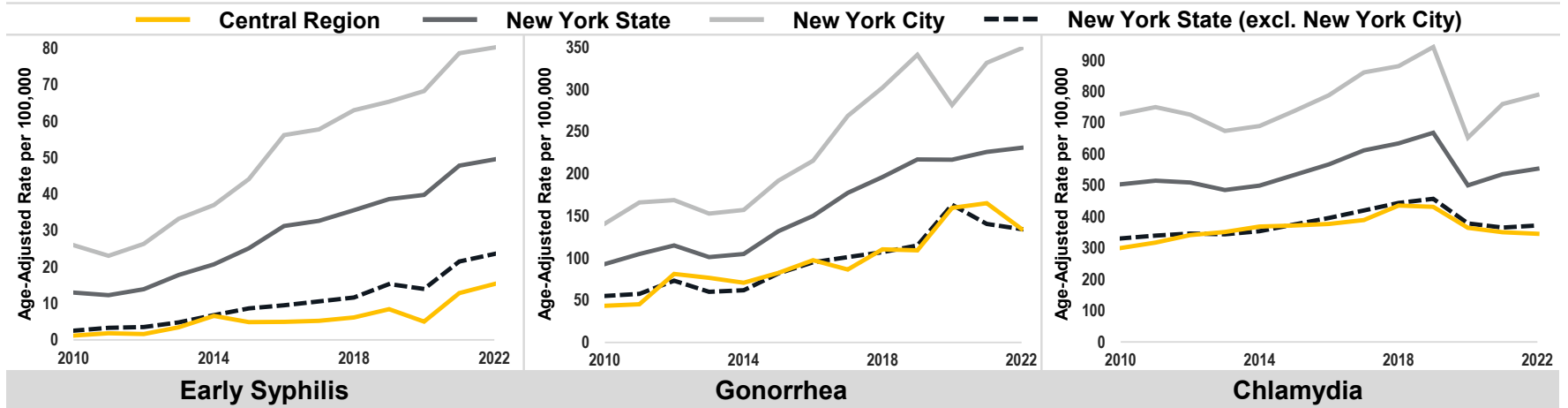
Capital Region Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity

- Most of the **early syphilis** and **gonorrhea** diagnoses were among persons identifying as Black, non-Hispanic
- White, non-Hispanic females accounted for the greatest share of **chlamydia** cases



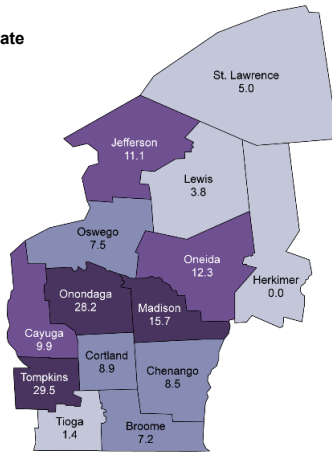
Note: Percentages for males (dark bars) and females (light bars) sum to total percentage for specified racial/ethnic group (in parentheses)

Central Region: Age-Adjusted Rates by Location, 2022



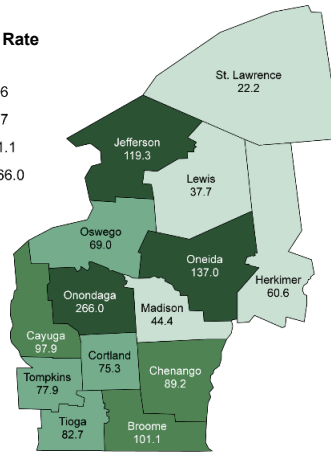
Age-Adjusted Rate per 100,000

- 0.0 - 5.0
- 5.1 - 8.9
- 9.0 - 12.3
- 12.4 - 29.5



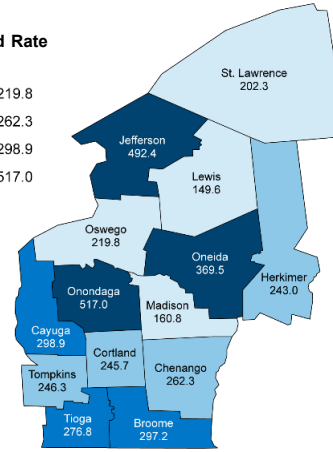
Age-Adjusted Rate per 100,000

- 22.2 - 60.6
- 60.7 - 82.7
- 82.8 - 101.1
- 101.2 - 266.0



Age-Adjusted Rate per 100,000

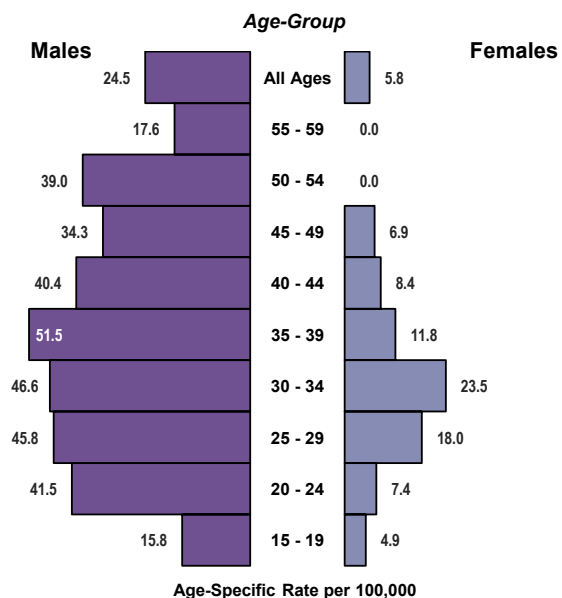
- 149.6 - 219.8
- 219.9 - 262.3
- 262.4 - 298.9
- 299.0 - 517.0



Central Region: Age-Specific Rates by Sex at Birth, 2022

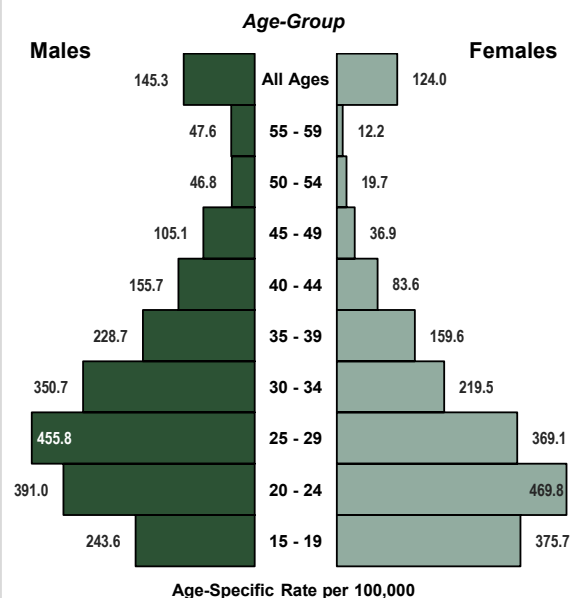
Early Syphilis

- Regardless of age, **early syphilis** rates were greater among males compared to females



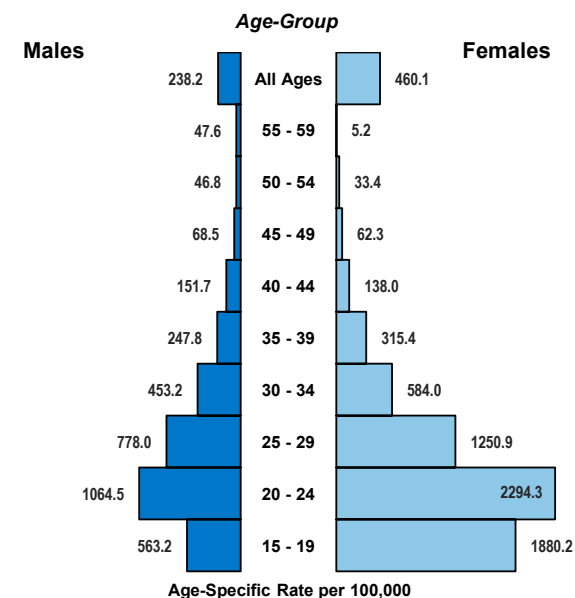
Gonorrhea

- Gonorrhea** rates were the greatest among females aged 20-24 years and males 25 - 29



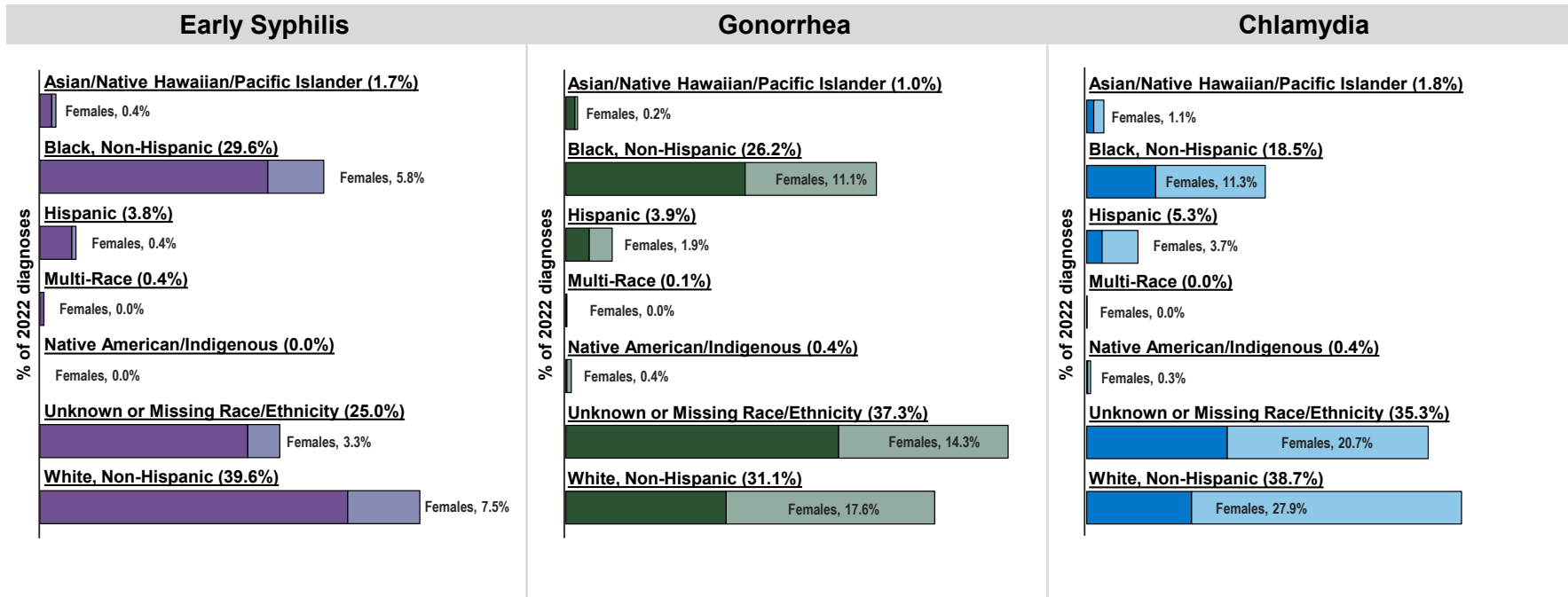
Chlamydia

- Females under age 30 had considerably greater rates of **chlamydia** as compared to males



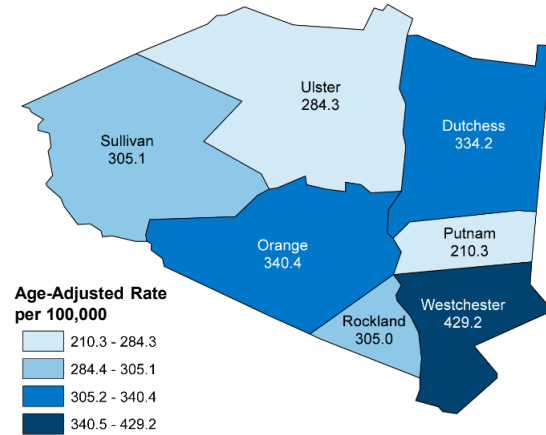
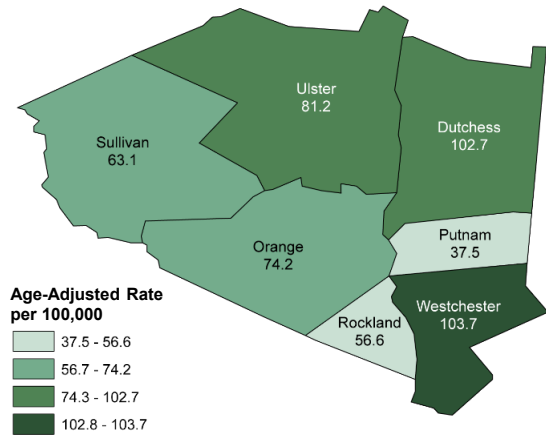
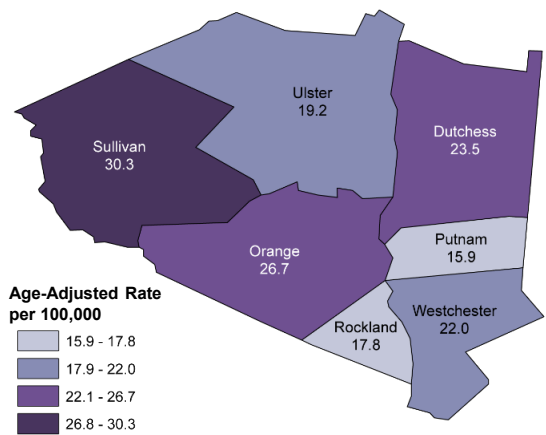
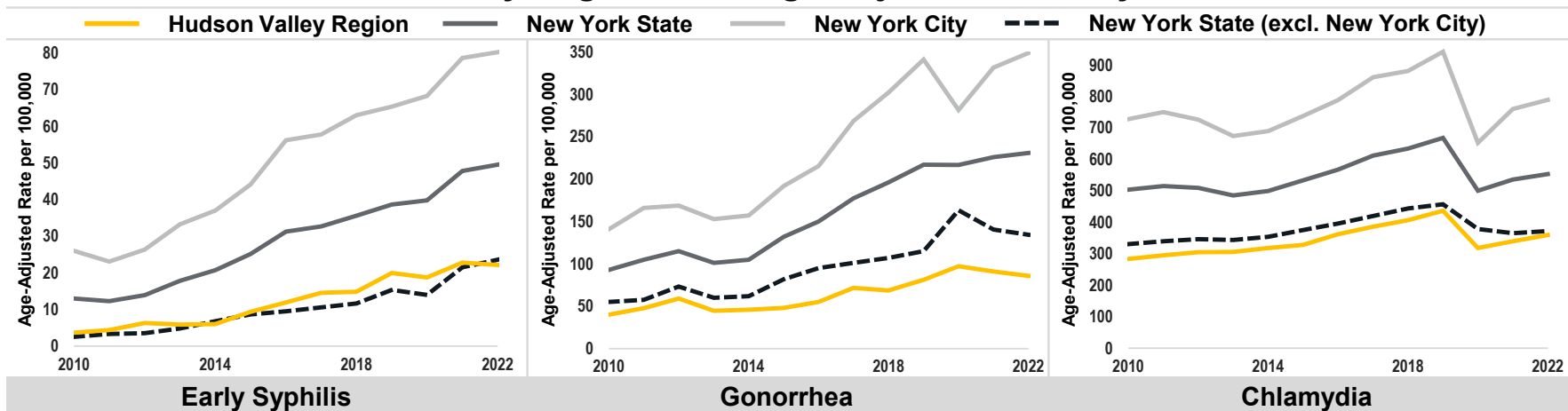
Central Region Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity

- Most of the **early syphilis**, **gonorrhea**, and **chlamydia** diagnoses were among persons identifying as White, non-Hispanic



Note: Percentages for males (dark bars) and females (light bars) sum to total percentage for specified racial/ethnic group (in parentheses)

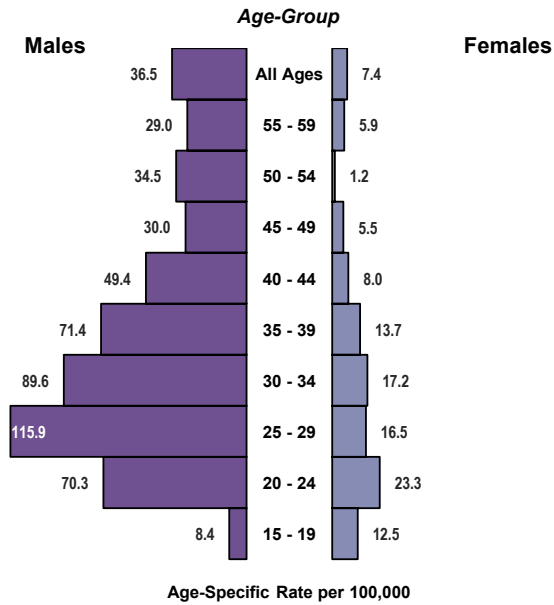
Hudson Valley Region: 2022 Age-Adjusted Rates by Location



Hudson Valley Region: 2022 Age-Specific Rates by Sex at Birth

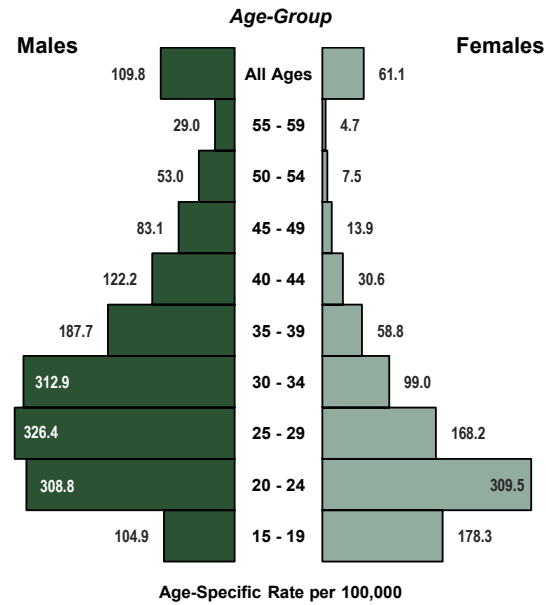
Early Syphilis

- The highest rates of **early syphilis** were among males aged 25-29 years old



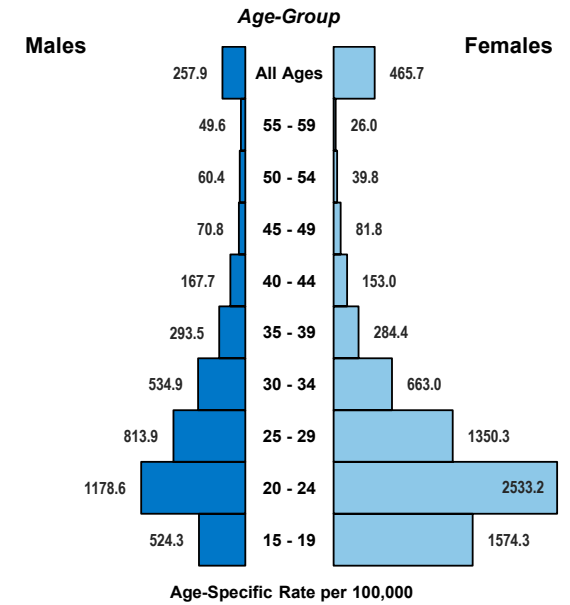
Gonorrhea

- Gonorrhea** rates were overall higher among males, but were similar among males and females aged 20-24 years old



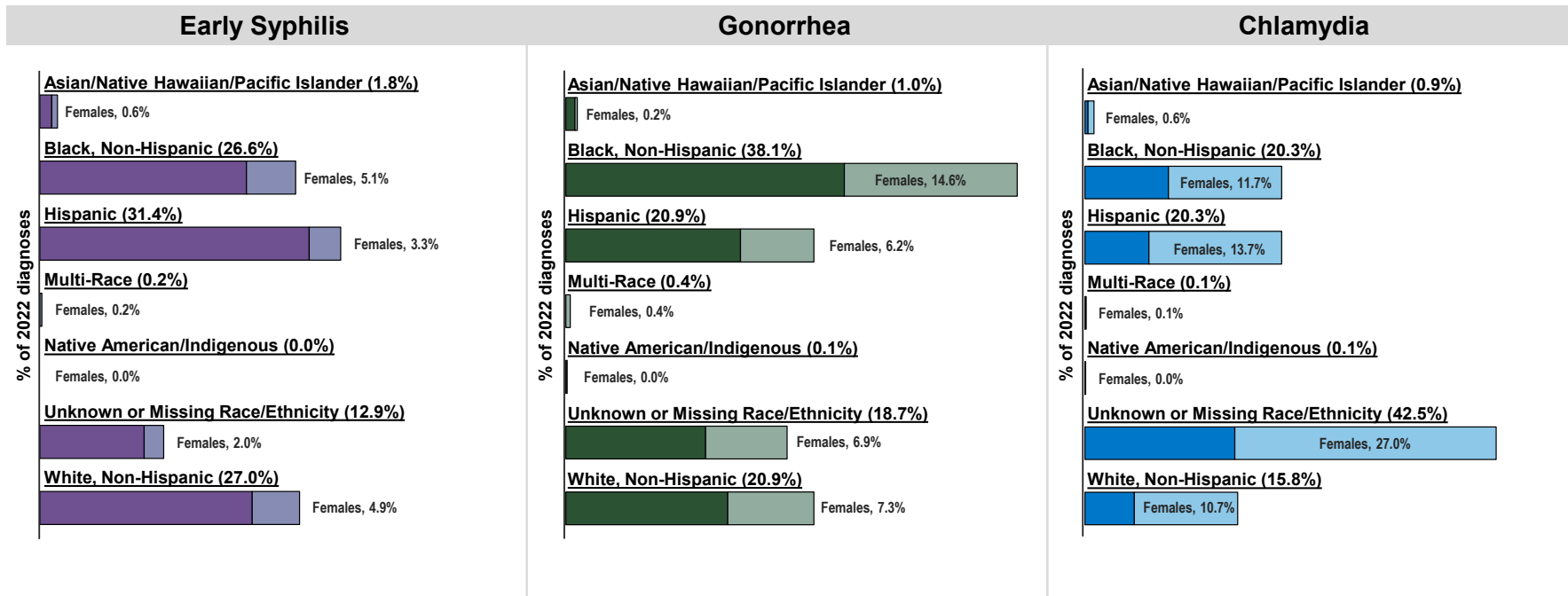
Chlamydia

- Females under age 30 had considerably greater rates of **chlamydia** as compared to males



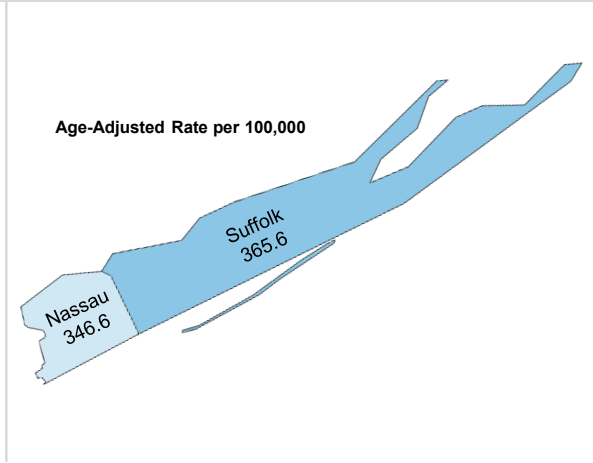
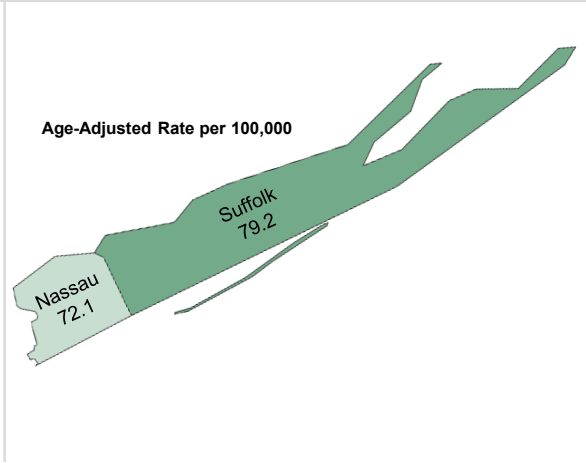
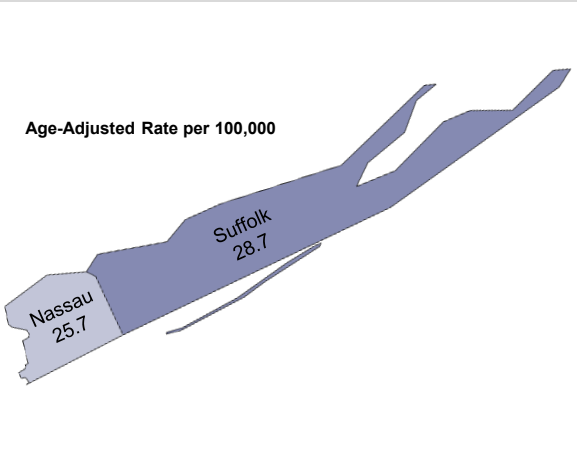
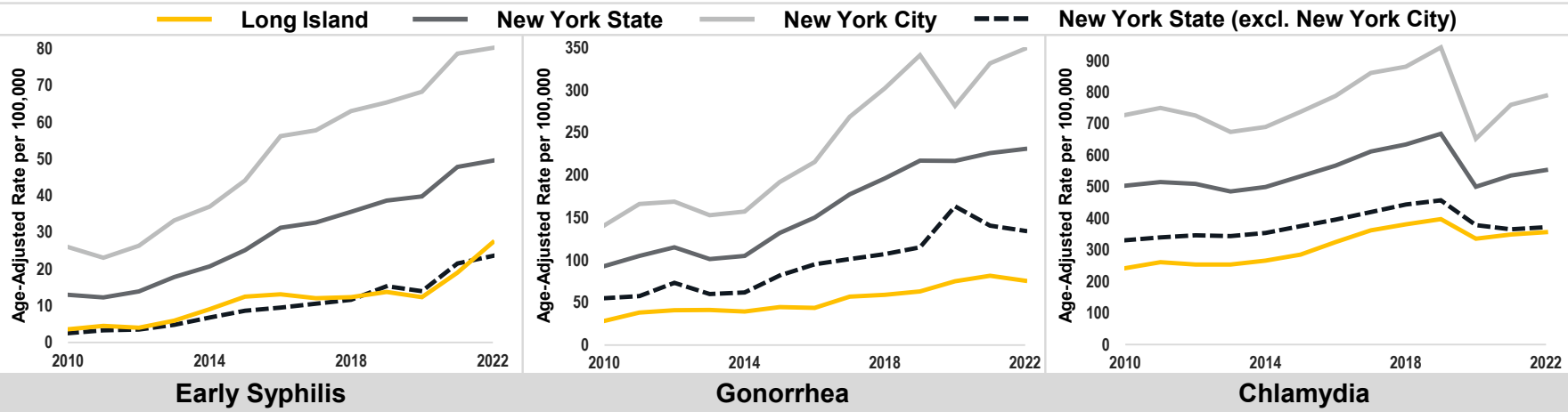
Hudson Valley Region Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity

- Over a third of **early syphilis** diagnoses were among persons identifying as Hispanic
- Most **gonorrhea** diagnoses were among persons identifying as Black, non-Hispanic
- Most 2022 **chlamydia** diagnoses were among females



Note: Percentages for males (dark bars) and females (light bars) sum to total percentage for specified racial/ethnic group (in parentheses)

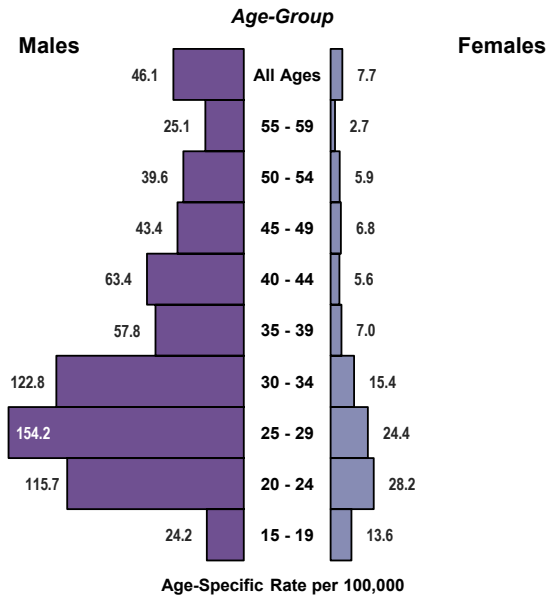
Long Island: 2022 Age-Adjusted Rates by Location



Long Island: 2022 Age-Specific Rates by Sex at Birth

Early Syphilis

- The highest rates of **early syphilis** were among males aged 25-29 years old



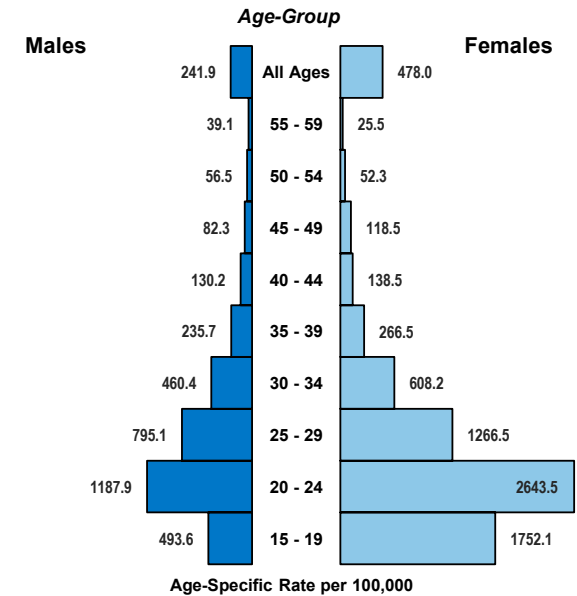
Gonorrhea

- Gonorrhea** rates were higher among males aged 20 years and older in comparison to females



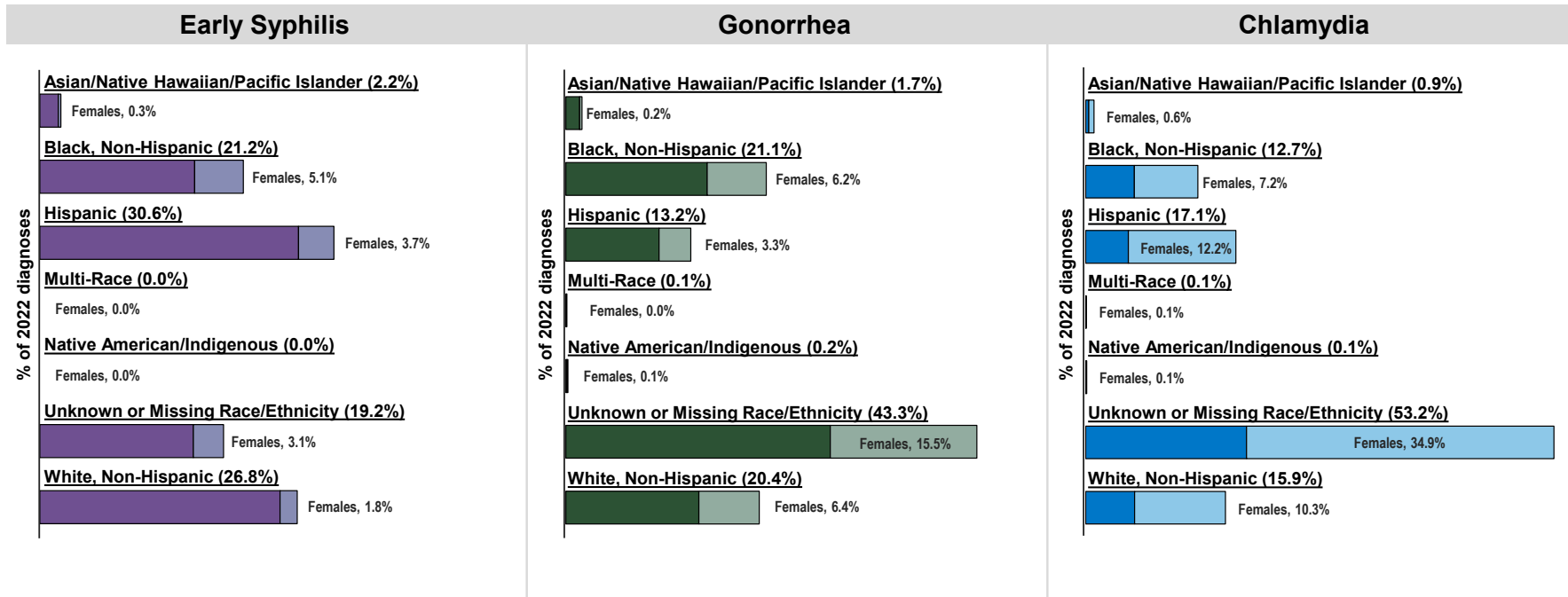
Chlamydia

- The highest rates of **chlamydia** were among females under 30 years old



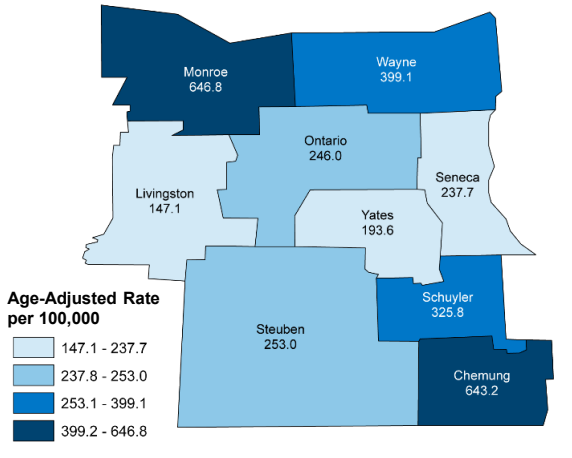
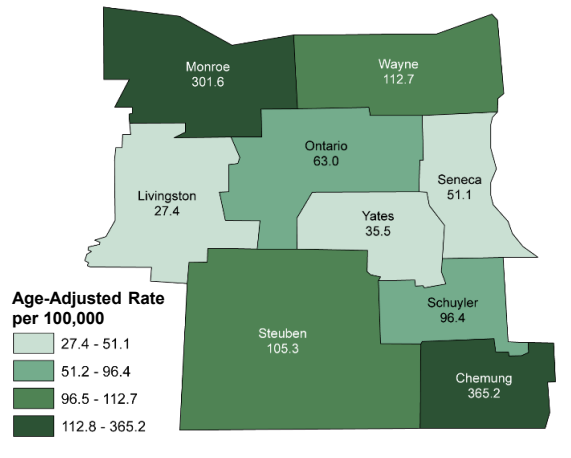
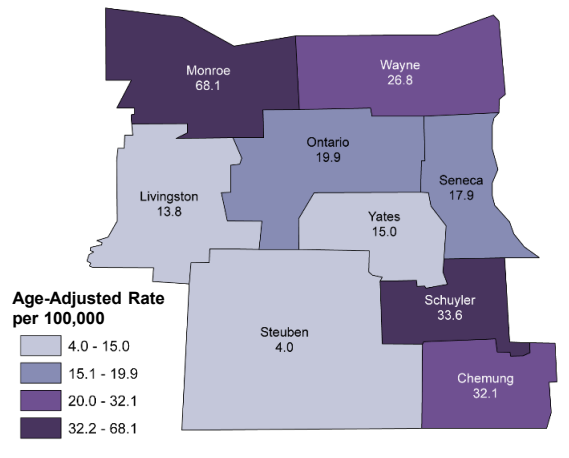
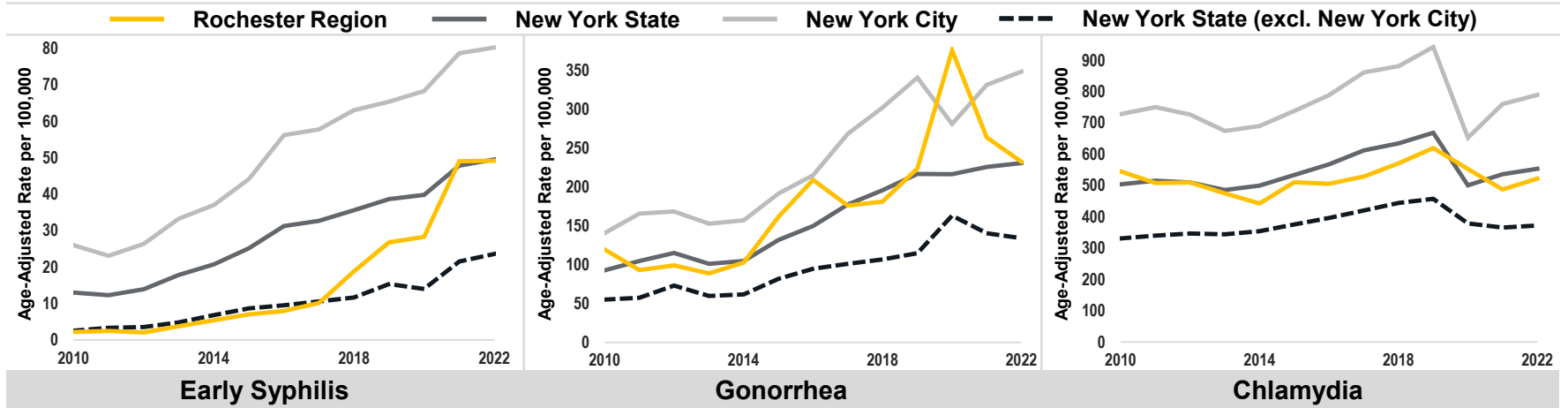
Long Island Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity

- Over a third of **early syphilis** diagnoses were among persons identifying as Hispanic
- Among those with a reported race/ethnicity, persons identifying as Hispanic had the greatest share of **chlamydia** diagnoses



Note: Percentages for males (dark bars) and females (light bars) sum to total percentage for specified racial/ethnic group (in parentheses)

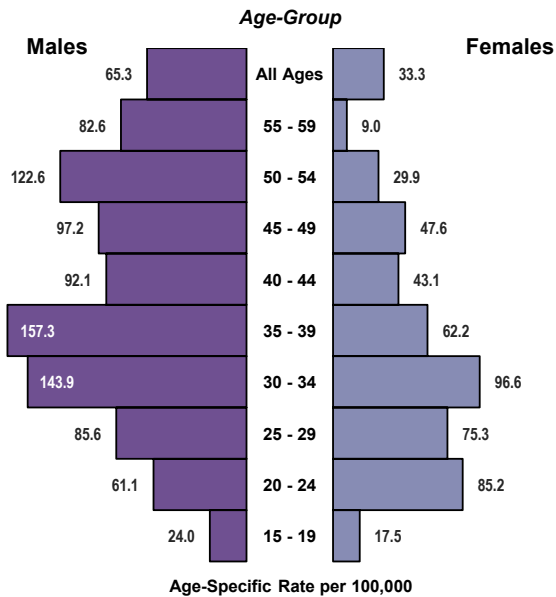
Rochester Region: 2022 Age-Adjusted Rates by Location



Rochester Region: 2022 Age-Specific Rates by Sex at Birth

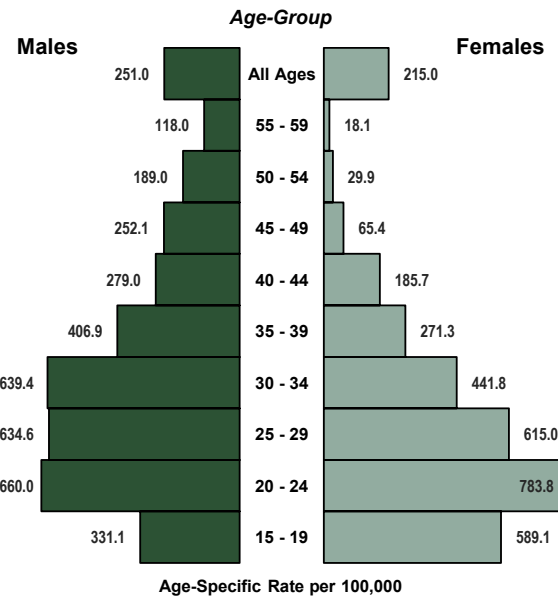
Early Syphilis

- The highest rates of **early syphilis** were among males aged 35-39 years old



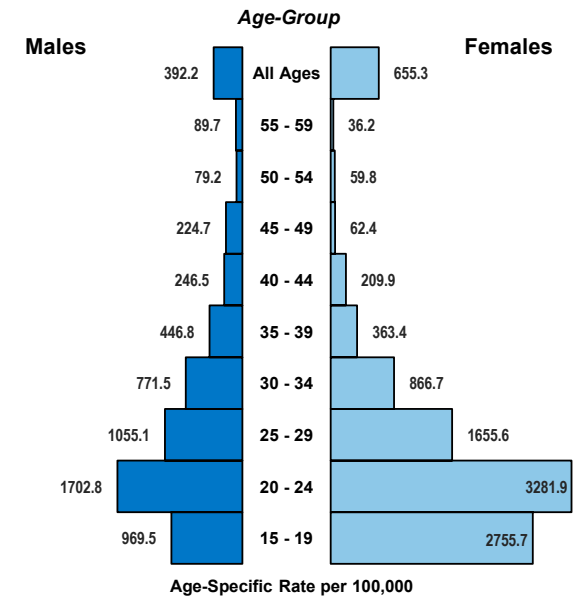
Gonorrhea

- Gonorrhea** rates were the greatest among females aged 20-24 years old



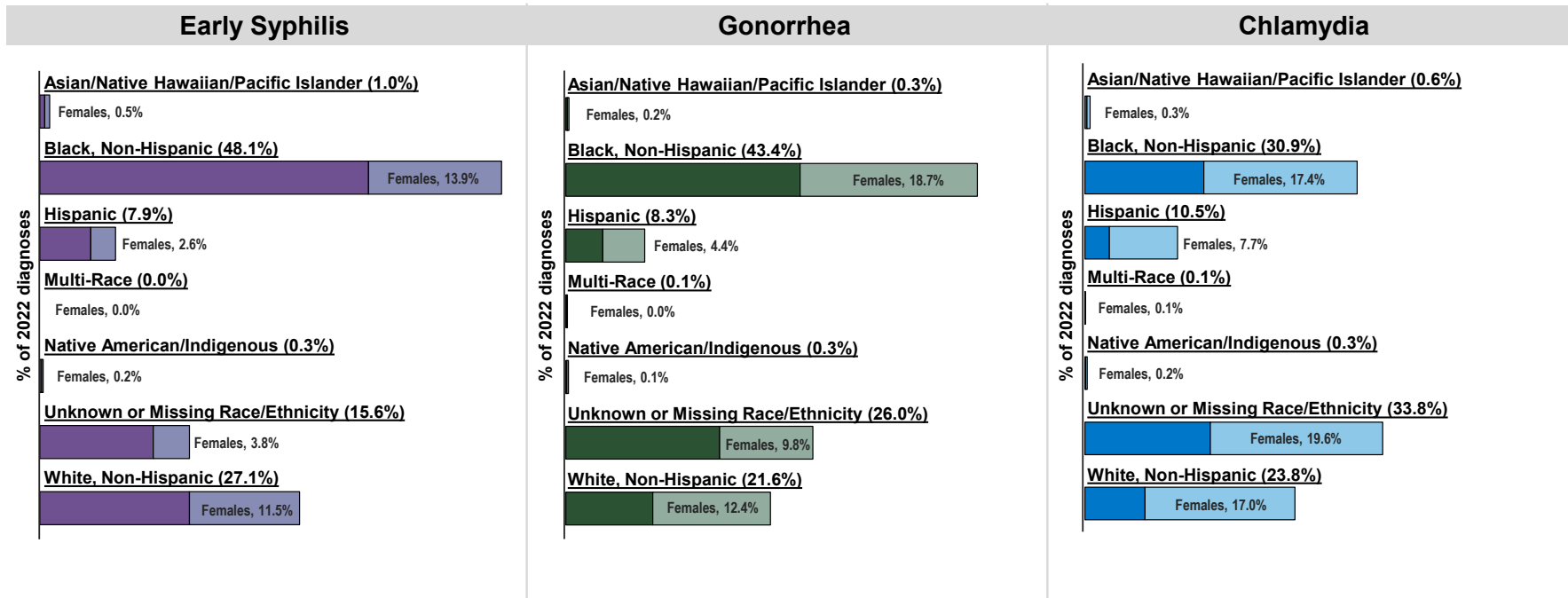
Chlamydia

- Chlamydia** rates for males and females were the greatest among those aged 20-24 years old



Rochester Region Proportion of 2022 Diagnoses by Sex at Birth and Race/Ethnicity

- Nearly half of **early syphilis** diagnoses were among persons identifying as Black, non-Hispanic
- Persons identifying as Black, Non-Hispanic accounted for an large proportion of **gonorrhea** and **chlamydia** diagnoses



Note: Percentages for males (dark bars) and females (light bars) sum to total percentage for specified racial/ethnic group (in parentheses)

Technical Notes: Data Sources

1. The 2022 sexually transmitted infections morbidity data for New York State exclusive of New York City were obtained for diagnoses meeting federal case definition and reported by the 57 local health departments outside of New York City to the New York State Department of Health (NYSDOH) Communicable Disease Electronic Surveillance System (CDESS). Sexually transmitted infections Surveillance data in this report include diagnoses reported to CDESS in 2022 and closed by June 15, 2023.
2. The 2022 New York City sexually transmitted infections morbidity data were obtained from data provided by the New York City Department of Health and Mental Hygiene (NYCDOHMH) Bureau of Hepatitis, HIV, and Sexually Transmitted Infections in November 2023. The Maven surveillance system is the source of surveillance information for sexually transmitted infections diagnoses reported among residents of the five boroughs of New York City.
3. United States census data[§] were used to calculate rates by county, age, race/ethnicity, and sex. Rates are age-adjusted to the population to enable comparison of rates between areas or demographic groups with differing age structures.
4. Data in this report may differ slightly from report released by the Centers for Disease Control and Prevention. These differences in counts are not large and as such do not have an overall effect in the interpretation of morbidity.

§ Census data (<https://www2.census.gov/programs-surveys/popest/datasets/>), released May 2023.

Technical Notes: Sexually Transmitted Infection Statistics

1. Reportable sexually transmitted infections in New York State include syphilis, gonorrhea, chlamydia, chancroid, and lymphogranuloma venereum. Reporting requirements for granuloma inguinale are limited to residents of the five boroughs of New York City. Statistics for chancroid, granuloma inguinale, and lymphogranuloma venereum were not included in this report due to the small numbers of reported cases.
2. Individual sexually transmitted infection diagnoses were aggregated at the state and county level, by disease, age, sex, and race/ethnicity.
3. The sexually transmitted infection rates were calculated by the number of sexually transmitted infection diagnoses reported divided by the source population.
4. Race and ethnicity surveillance information is collected according to standards for the classification of federal data on race and ethnicity issued by the Office of Management and Budget. The race and ethnicity information presented in this report is based on the following categories: Black, non-Hispanic; Hispanic (regardless of race designation); Asian, non-Hispanic (combined Asian and Native Hawaiian/Pacific Islander); and White, non-Hispanic. Limited data are presented for diagnoses reported among Native American/Alaskan Native, multi-race, or other race due to low numbers which make the interpretation of rates unreliable. Laboratories account for majority of case reports, a source which does not routinely collect data on race/ethnicity. The amount of missing race/ethnicity data also limits the interpretation of race/ethnicity trends. Adjustments have not been made to records with missing race/ethnicity information.
5. Sex presented in this report is limitedly categorized into male and female only. Future reports will also display sexually transmitted infection rates and diagnoses by gender identity at the time of diagnosis.
6. In 2005, the Centers for Disease Control and Prevention revised the definition for neurosyphilis. Neurological involvement can occur at any stage for syphilis diagnoses; thus, neurosyphilis is not classified as a separate stage for syphilis and is considered as a subset of syphilis diagnoses. New York City Department of Health and Mental Hygiene began using the new case definition for neurosyphilis in 2005 and in the rest of the state, the new definition for neurosyphilis was adopted in 2006.
7. Chlamydia became reportable in New York State outside New York City in August 2000; thus, statewide trends are provided for 2001 - 2022.
8. Some diagnoses did not have valid information on age, sex, or race/ethnicity. They were included in the calculation for the total number of diagnoses, but not included in the calculation for the age-, sex-, and/or race/ethnicity-specific rates/incidence.
9. Strata in which there were no diagnoses reported are presented as “-“.
10. All data were analyzed using SAS® Version 9.4 software (SAS Institute, Inc., Cary, North Carolina).

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Technical Notes: Citation and Contact Information

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AIDS Institute, New York State Department of Health

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