



**Department
of Health**

**AIDS
Institute**

Sexually Transmitted Infections Surveillance Report

New York State

2021

Table of Contents

EXECUTIVE SUMMARY

| | |
|--------------|---|
| Report | 1 |
|--------------|---|

SEXUALLY TRANSMITTED INFECTIONS (STI) DESCRIPTIONS

| | |
|-----------------|---|
| Syphilis | 2 |
| Gonorrhea | 3 |
| Chlamydia | 4 |

OVERALL DIAGNOSES OF STI

| | |
|--|---|
| Figure 1. STI Diagnoses by Age, New York State, 2021 | 5 |
| Table 1. STIs by Region/County, New York State, 2021 | 6 |

SYPHILIS

| | |
|--|----|
| Figure 2. Early Syphilis by Year, New York State, 1960 – 2021 | 7 |
| Figure 3. Early Syphilis by Year and Sex, New York State excluding New York City, 1936 - 2021 | 8 |
| Figure 4. Primary and Secondary Syphilis Rates by Race/Ethnicity and Year, New York State, 2010 – 2021 | 9 |
| Figure 5. Primary and Secondary Syphilis Rates by Age and Sex, New York State, 2021 | 10 |
| Figure 6. Congenital Syphilis Diagnoses with Primary & Secondary Syphilis Rates, New York State, 2010 – 2021 | 11 |
| Table 2. Syphilis by Region/County, New York State, 2021 | 12 |
| Table 3. Early Syphilis by Region/County and Sex, New York State, 2021 | 13 |
| Table 4. Primary and Secondary Syphilis by Region/County and Sex, New York State, 2021 | 14 |
| Table 5. Early Syphilis by Sex and Age, New York State, 2021 | 15 |
| Table 6. Primary and Secondary Syphilis by Sex and Age, New York State, 2021 | 16 |
| Table 7. Early Syphilis by Region/County and Year, New York State, 2019 – 2021 | 17 |
| Table 8. Early Syphilis by Year and Region, New York State, 1959 – 2021 | 18 |
| Table 9. Primary and Secondary Syphilis by Year and Region, New York State, 1956 – 2021 | 19 |

Table of Contents

GONORRHEA

| | |
|---|----|
| Figure 7. Gonorrhea by Year and Region, New York State, 1960 – 2021 | 20 |
| Figure 8. Gonorrhea Rates by Sex and Year, New York State, 2010 – 2021 | 21 |
| Figure 9. Gonorrhea Rates by Race/Ethnicity and Year, New York State, 2013 – 2021 | 22 |
| Figure 10. Gonorrhea Rates by Age and Sex, New York State, 2021 | 23 |
| Table 10. Gonorrhea by Region/County and Sex, New York State, 2021 | 24 |
| Table 11. Gonorrhea by Sex and Age, New York State, 2021 | 25 |
| Table 12. Gonorrhea by Region/County and Year, New York State, 2019 – 2021 | 26 |
| Table 13. Gonorrhea by Year and Region, New York State, 1959 – 2021 | 27 |

CHLAMYDIA

| | |
|---|----|
| Figure 11. Chlamydia by Year and Region, New York State, 2001 – 2021 | 28 |
| Figure 12. Chlamydia Rates by Sex and Year, New York State, 2010 – 2021 | 29 |
| Figure 13. Chlamydia Rates by Race/Ethnicity and Year, New York State, 2013 – 2021 | 30 |
| Figure 14. Chlamydia Rates by Age and Sex, New York State, 2021 | 31 |
| Table 14. Chlamydia by Region/County and Sex, New York State, 2021 | 32 |
| Table 15. Chlamydia by Sex and Age, New York State, 2021 | 33 |
| Table 16. Chlamydia among Young Females, by Age and Region/County, New York State, 2021 | 34 |
| Table 17. Chlamydia by Region/County and Year, New York State, 2019 – 2021 | 35 |
| Table 18. Chlamydia by Year and Region, New York State, 2001 – 2021 | 36 |

TECHNICAL NOTES

| | |
|----------------------------|----|
| Data Sources | 37 |
| STI Statistics | 38 |
| References | 39 |
| Citation and Contact | 40 |

Executive Summary: Report

This document summarizes 2021 surveillance data for the three major notifiable sexually transmitted infections (STIs) in New York State (NYS):

- syphilis;
- gonorrhea; and
- chlamydia.

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

In 2021, COVID-19 continued to impact screening, diagnosis, and treatment of STIs. Local health departments were still engaged in mitigating COVID-19 waves and this continued to impact STI surveillance. In 2021, reported diagnoses of gonorrhea increased for the eighth consecutive year, while primary and secondary syphilis increased for the fourth consecutive year; chlamydia increased after declining in 2020. Data from the [Centers for Disease Control and Prevention](#)² (CDC) ranks New York State 17th, 22nd, and 18th among all states in 2021 for rates per 100,000 of chlamydia, gonorrhea, and primary and secondary syphilis, respectively; and 37th for rate per 100,000 live births of congenital syphilis.

The highest rates of STIs in NYS continued to be seen in young people, 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 STI transmissions.

Since chlamydia became a reportable STI in 2000, the number of diagnoses has dominated other reportable STIs. Due to the impact of COVID-19 on screening, there was a 22% decline in diagnoses from 2019 to 2020. In 2021, chlamydia continued to be the most commonly reported STI in NYS with 101,730 diagnoses (5% increase from 2020) but still 10% lower than 2019 diagnoses. Though the diagnoses remain lower than 2019, it is unclear if this is a true decline in incidence due to changes in transmission and/or public health interventions i.e., Expedited Partner Therapy (EPT), or if screening remains impacted. The highest rates in 2021 were seen in females 15-24 years of age.

Gonorrhea diagnoses increased 2% in 2021 (43,081 reported diagnoses) compared to 2020. Gonorrhea decreased in females by 4% and increased in males by 5% when compared to 2020. Additionally, the rates were highest among males 20-34 and among females 15-24.

Primary and secondary syphilis diagnoses increased 16% in 2021 compared to 2020. Diagnoses among males accounted for 88% of primary and secondary syphilis diagnoses; 69% of males diagnosed with primary or secondary syphilis reported other males as their sex partners. In 2021, rates of primary and secondary syphilis among females continued to increase ~9-fold compared to 2014 rates. Additionally, in 2021, 41 diagnoses of congenital syphilis were reported statewide, a 41% increase compared to 2020 (29 diagnosed infants).

Many cases of syphilis, gonorrhea, and chlamydia go undiagnosed and therefore unreported, and several highly prevalent STIs, such as human papillomavirus, genital herpes, and trichomoniasis, are not reported at all. This report provides important information about the burden of notifiable bacterial STIs in NYS.

NYS remains committed to conducting high quality STI surveillance, responding to STI-related outbreaks, identifying persons with STIs, and linking them and their partners to care and treatment through Partner Services. Additional priorities include promoting CDC-recommended screening, diagnosis, and treatment practices, sharing local epidemiological information with health care professionals and the community. We value our partnership with community experts in strengthening collaborations, monitoring and developing STI-related policies, and analyzing data for program insights and improvement.

Sexually Transmitted Infection Description: Syphilis

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

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 an infected person, 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 other STIs like 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.

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

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.

Congenital syphilis occurs in infants who acquire the infection from pregnant persons infected with syphilis. 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 an STI caused by the bacterium *Neisseria gonorrhoeae* and is spread through oral, anal, or vaginal sex with an infected partner. 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 (PID). PID 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 other STIs like 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, 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 an STI caused by the bacterium *Chlamydia trachomatis* and is spread through oral, anal, or vaginal sex with an infected partner. It is the most common notifiable infection in the United States (not including COVID-19 in 2020). Chlamydia may pass from mother to infant during vaginal delivery.

Most people who are infected 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 an infected partner, 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 (PID). PID can cause abscesses and scar tissues, thereby increasing the risk of infertility, miscarriage, and ectopic pregnancy.

Chlamydia infection increases the likelihood of contracting other STIs, 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. STI Diagnoses by Age, New York State, 2021

What this figure shows

Chlamydia is the most commonly reported STI in New York State

50% of STIs are diagnosed among people younger than 26 years of age

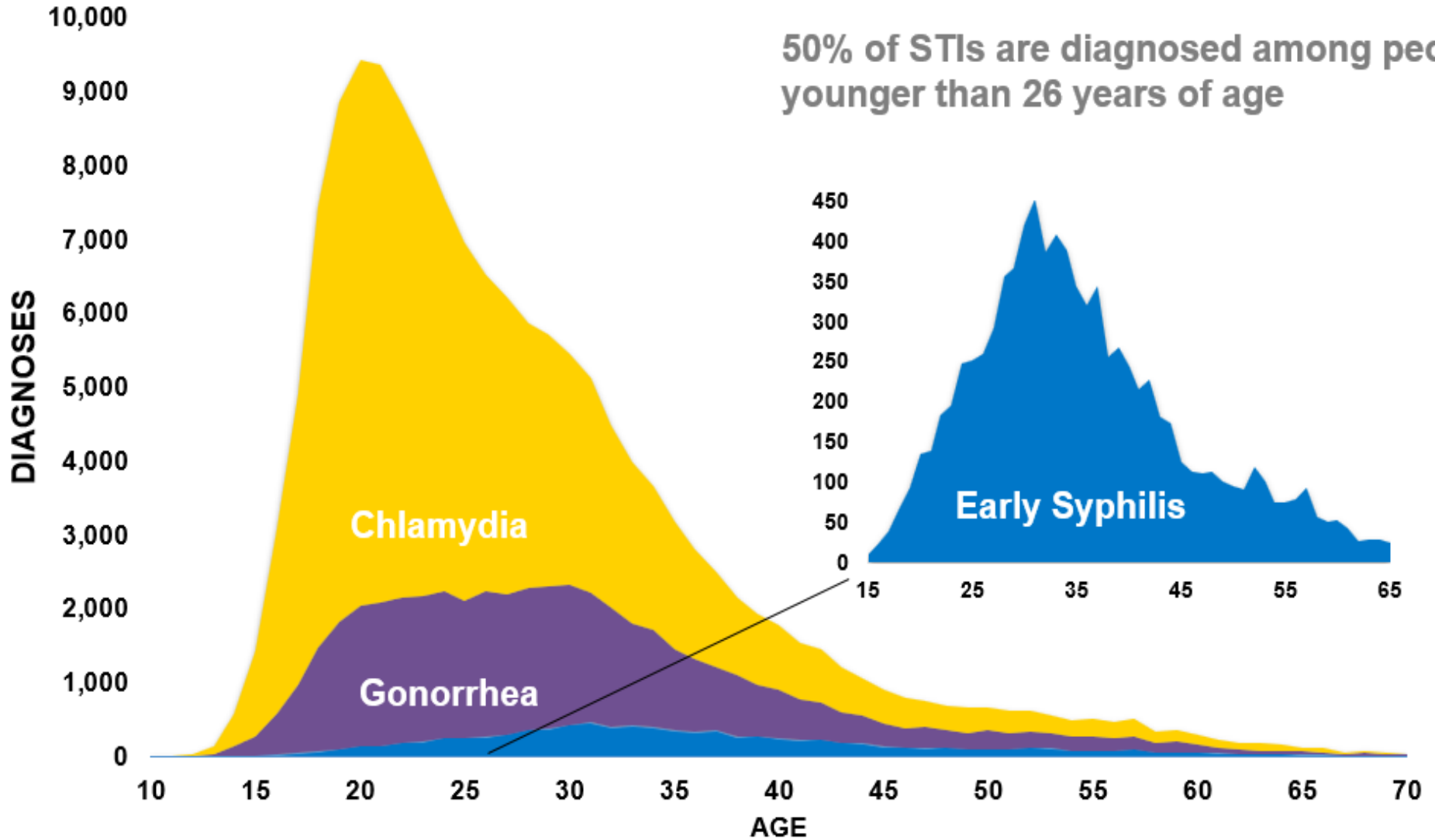


Table 1. STIs by Region/County, New York State, 2021

| Region/County | Early Syphilis | | Gonorrhea | | Chlamydia | |
|-----------------------------|----------------|-------|-----------|-------|-----------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 9,030 | 48.1 | 43,081 | 228.8 | 101,730 | 546.0 |
| New York City (NYC) | 6,756 | 79.0 | 28,162 | 335.3 | 62,011 | 770.8 |
| Bronx | 1,615 | 117.7 | 6,080 | 428.1 | 15,020 | 1,055.0 |
| Kings | 1,868 | 69.0 | 8,690 | 327.4 | 19,038 | 757.5 |
| New York | 1,998 | 115.5 | 8,494 | 495.2 | 13,751 | 853.0 |
| Queens | 1,170 | 52.2 | 4,360 | 200.8 | 12,704 | 613.4 |
| Richmond | 105 | 23.5 | 538 | 120.6 | 1,498 | 336.2 |
| NYS excl. NYC | 2,274 | 21.7 | 14,919 | 142.6 | 39,719 | 374.2 |
| Buffalo Region | 243 | 17.1 | 3,117 | 219.7 | 6,279 | 444.3 |
| Allegany | 1 | 3.2 | 12 | 26.0 | 84 | 164.4 |
| Cattaraugus | 1 | 1.6 | 61 | 95.3 | 188 | 279.2 |
| Chautauqua | 8 | 7.4 | 186 | 173.4 | 433 | 384.3 |
| Erie | 206 | 22.9 | 2,395 | 267.9 | 4,511 | 510.2 |
| Genesee | 3 | 5.6 | 58 | 115.5 | 153 | 313.8 |
| Niagara | 23 | 11.7 | 357 | 199.2 | 759 | 424.2 |
| Orleans | 1 | 2.7 | 30 | 82.0 | 84 | 239.4 |
| Wyoming | - | - | 18 | 46.9 | 67 | 201.1 |
| Capital Region | 233 | 16.2 | 1,721 | 121.8 | 4,267 | 298.3 |
| Albany | 51 | 16.6 | 677 | 203.9 | 1,394 | 396.4 |
| Clinton | 3 | 2.7 | 34 | 38.7 | 170 | 205.4 |
| Columbia | 5 | 10.8 | 37 | 73.9 | 128 | 275.6 |
| Delaware | 5 | 12.0 | 14 | 37.5 | 80 | 212.7 |
| Essex | 3 | 9.0 | 2 | 4.1 | 52 | 185.5 |
| Franklin | 3 | 7.0 | 5 | 11.4 | 72 | 156.1 |
| Fulton | 4 | 6.7 | 47 | 106.6 | 150 | 352.0 |
| Greene | 10 | 20.7 | 31 | 74.3 | 92 | 226.6 |
| Hamilton | - | - | - | - | 1 | 31.0 |
| Montgomery | - | - | 74 | 175.2 | 133 | 314.4 |
| Otsego | 7 | 12.7 | 21 | 40.8 | 132 | 201.2 |
| Rensselaer | 38 | 24.3 | 247 | 161.7 | 481 | 316.3 |
| Saratoga | 23 | 9.7 | 98 | 48.4 | 389 | 194.0 |
| Schenectady | 70 | 45.5 | 381 | 258.9 | 739 | 508.0 |
| Schoharie | 5 | 19.0 | 9 | 34.3 | 49 | 183.8 |
| Warren | 5 | 9.6 | 28 | 53.5 | 115 | 227.5 |
| Washington | 1 | 2.1 | 16 | 29.7 | 90 | 178.2 |

| Region/County | Early Syphilis | | Gonorrhea | | Chlamydia | |
|-------------------------|----------------|------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 208 | 12.9 | 2,760 | 167.1 | 6,312 | 358.9 |
| Broome | 14 | 6.7 | 294 | 152.7 | 749 | 355.0 |
| Cayuga | 9 | 13.4 | 80 | 121.9 | 205 | 318.9 |
| Chenango | 4 | 8.5 | 24 | 62.9 | 111 | 303.9 |
| Cortland | - | - | 42 | 103.6 | 150 | 254.4 |
| Herkimer | 2 | 4.5 | 35 | 70.0 | 130 | 258.0 |
| Jefferson | 10 | 9.1 | 166 | 130.5 | 714 | 524.3 |
| Lewis | 2 | 7.1 | 20 | 91.9 | 31 | 144.8 |
| Madison | 5 | 7.6 | 41 | 68.7 | 118 | 172.6 |
| Oneida | 25 | 11.7 | 396 | 191.7 | 825 | 388.0 |
| Onondaga | 110 | 24.9 | 1,343 | 298.8 | 2,283 | 499.9 |
| Oswego | 5 | 5.0 | 127 | 124.2 | 298 | 270.8 |
| St Lawrence | 3 | 3.1 | 31 | 30.2 | 270 | 229.2 |
| Tioga | 1 | 2.0 | 20 | 52.6 | 91 | 240.6 |
| Tompkins | 18 | 17.8 | 141 | 110.3 | 337 | 208.7 |
| Rochester Region | 584 | 49.1 | 3,137 | 267.0 | 5,860 | 495.8 |
| Chemung | 7 | 9.4 | 146 | 200.4 | 324 | 448.3 |
| Livingston | 2 | 4.7 | 19 | 37.5 | 99 | 133.1 |
| Monroe | 551 | 76.1 | 2,632 | 363.8 | 4,592 | 631.8 |
| Ontario | 6 | 6.6 | 93 | 92.3 | 275 | 278.8 |
| Schuyler | 1 | 7.2 | 14 | 100.1 | 37 | 277.8 |
| Seneca | 4 | 10.2 | 24 | 76.5 | 64 | 214.9 |
| Steuben | 4 | 5.4 | 97 | 128.3 | 156 | 206.8 |
| Wayne | 6 | 6.9 | 104 | 139.0 | 278 | 383.2 |
| Yates | 3 | 12.0 | 8 | 38.4 | 35 | 158.0 |
| Hudson Valley | 498 | 22.9 | 1,998 | 92.3 | 7,596 | 345.8 |
| Dutchess | 80 | 29.0 | 232 | 82.9 | 884 | 308.1 |
| Orange | 106 | 29.4 | 333 | 86.5 | 1,434 | 361.3 |
| Putnam | 14 | 15.1 | 34 | 39.9 | 174 | 204.0 |
| Rockland | 41 | 13.7 | 188 | 62.6 | 1,003 | 323.1 |
| Sullivan | 11 | 13.9 | 70 | 98.6 | 197 | 292.4 |
| Ulster | 26 | 14.0 | 143 | 89.0 | 384 | 239.6 |
| Westchester | 220 | 24.4 | 998 | 113.1 | 3,520 | 397.3 |
| Long Island | 508 | 19.2 | 2,186 | 83.4 | 9,405 | 358.6 |
| Nassau | 241 | 19.5 | 984 | 80.1 | 4,496 | 365.1 |
| Suffolk | 267 | 19.0 | 1,202 | 86.3 | 4,909 | 352.8 |

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

Figure 2. Early Syphilis by Year, New York State, 1960 - 2021

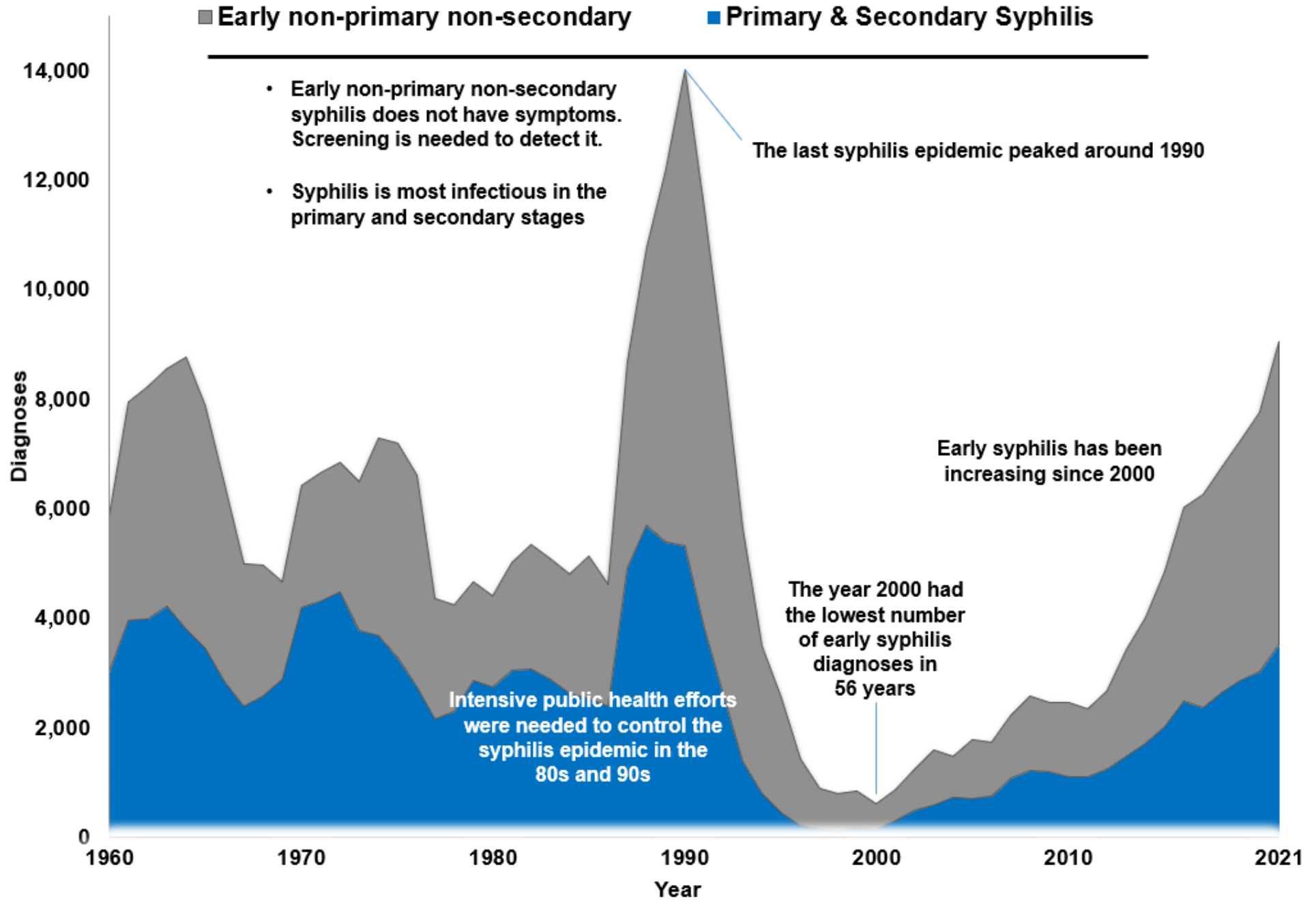
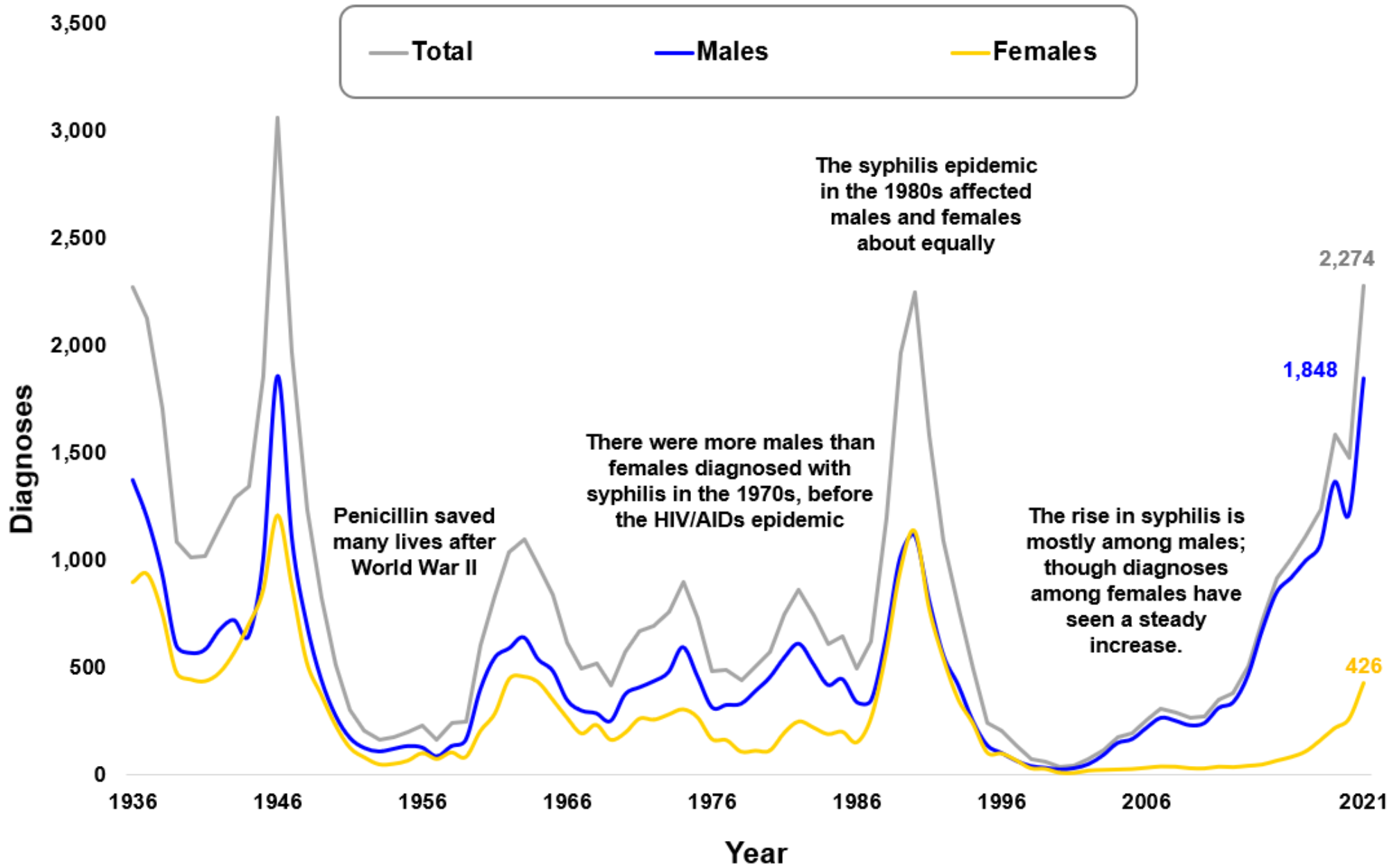
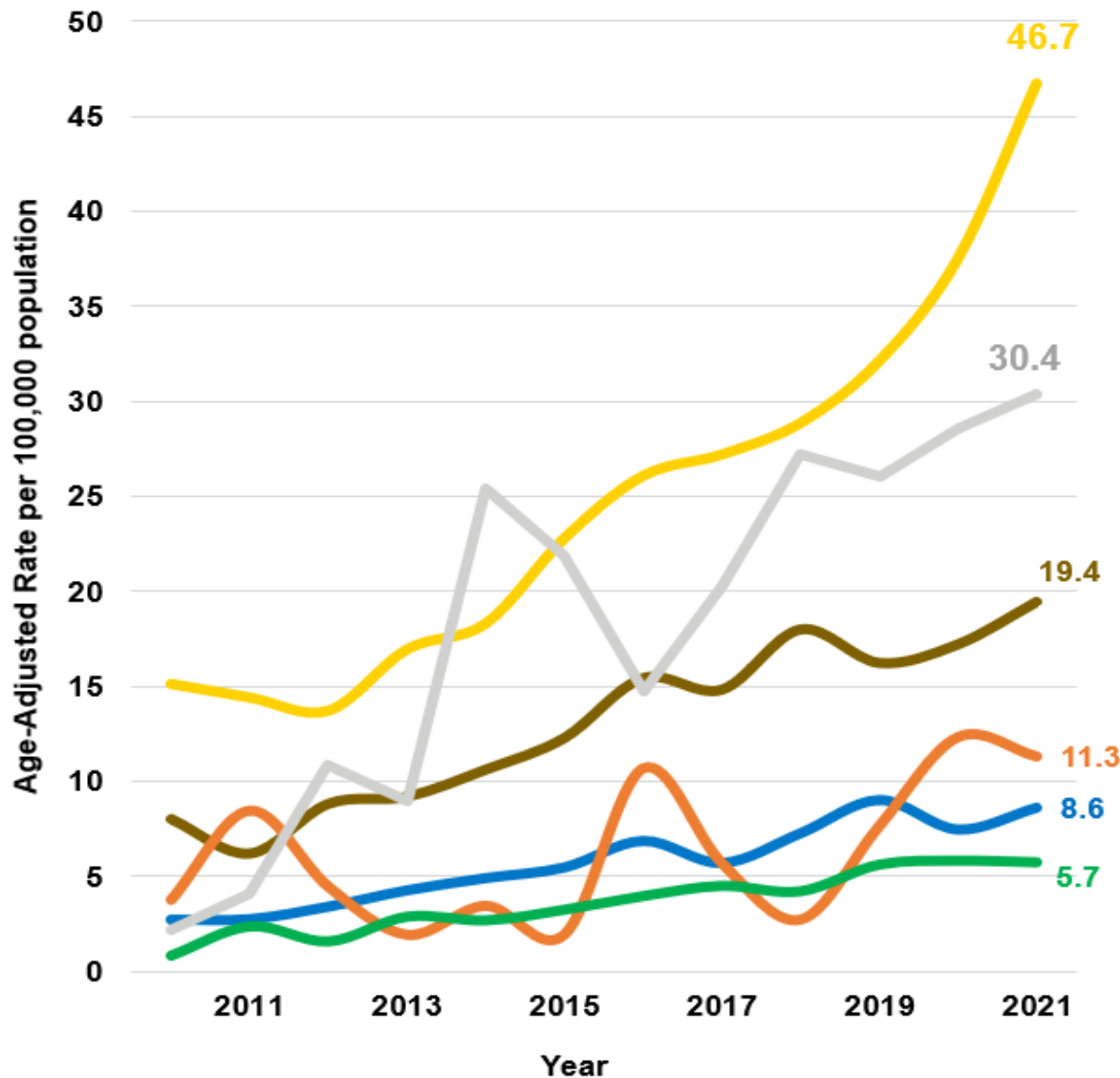


Figure 3. Early Syphilis by Year and Sex, New York State excluding NYC, 1936 - 2021



**Figure 4. Primary and Secondary Syphilis Rates by Race/Ethnicity and Year
New York State, 2010 - 2021**



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 2021

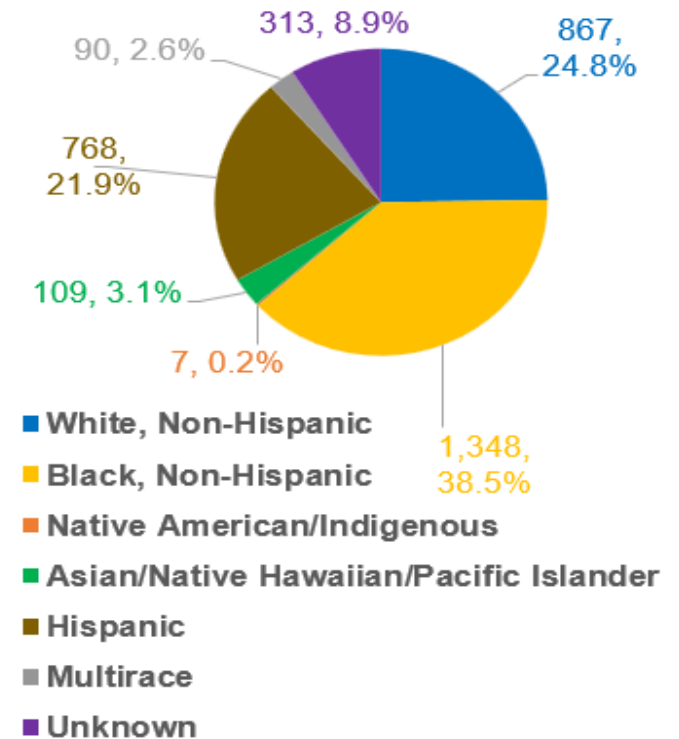
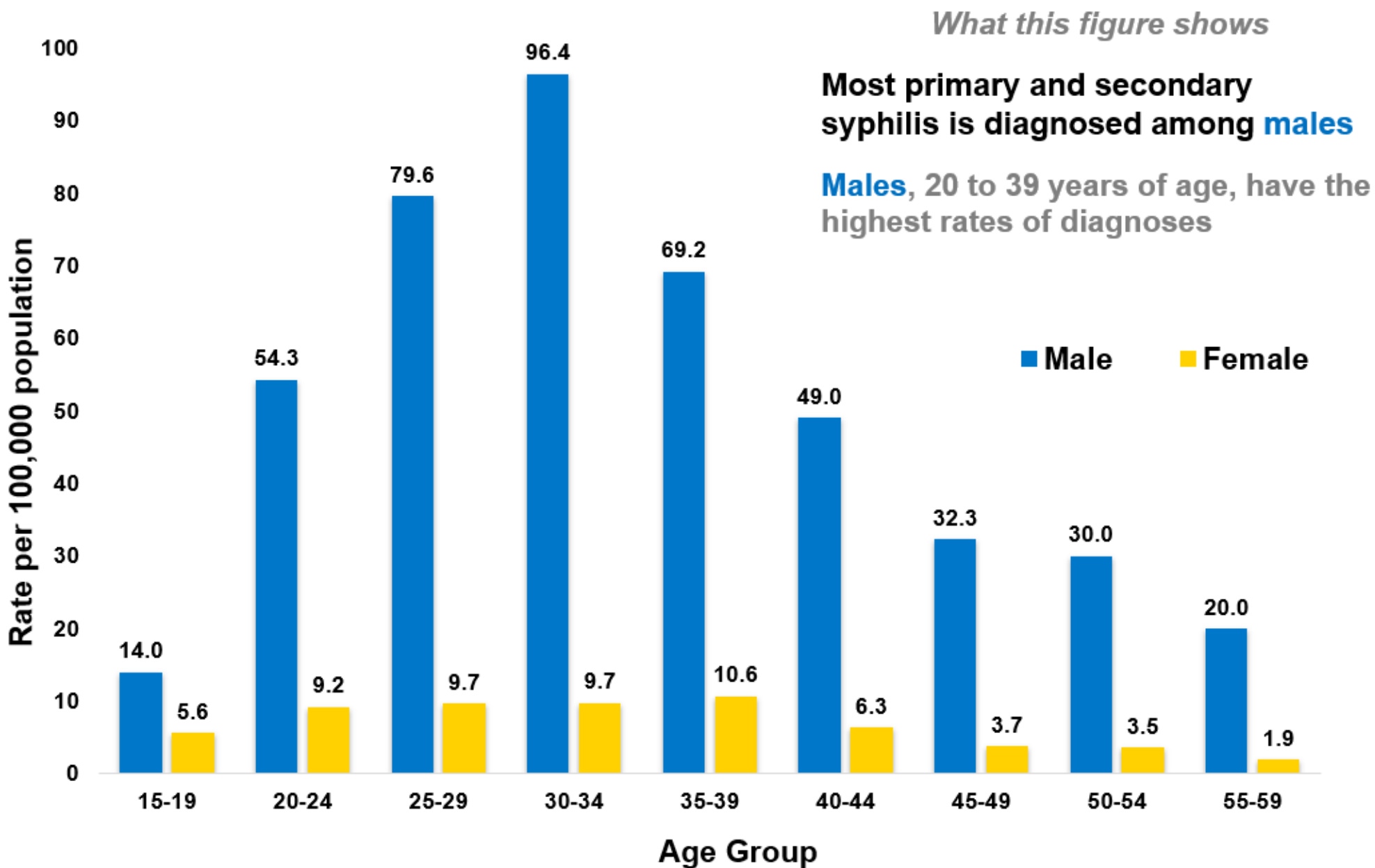
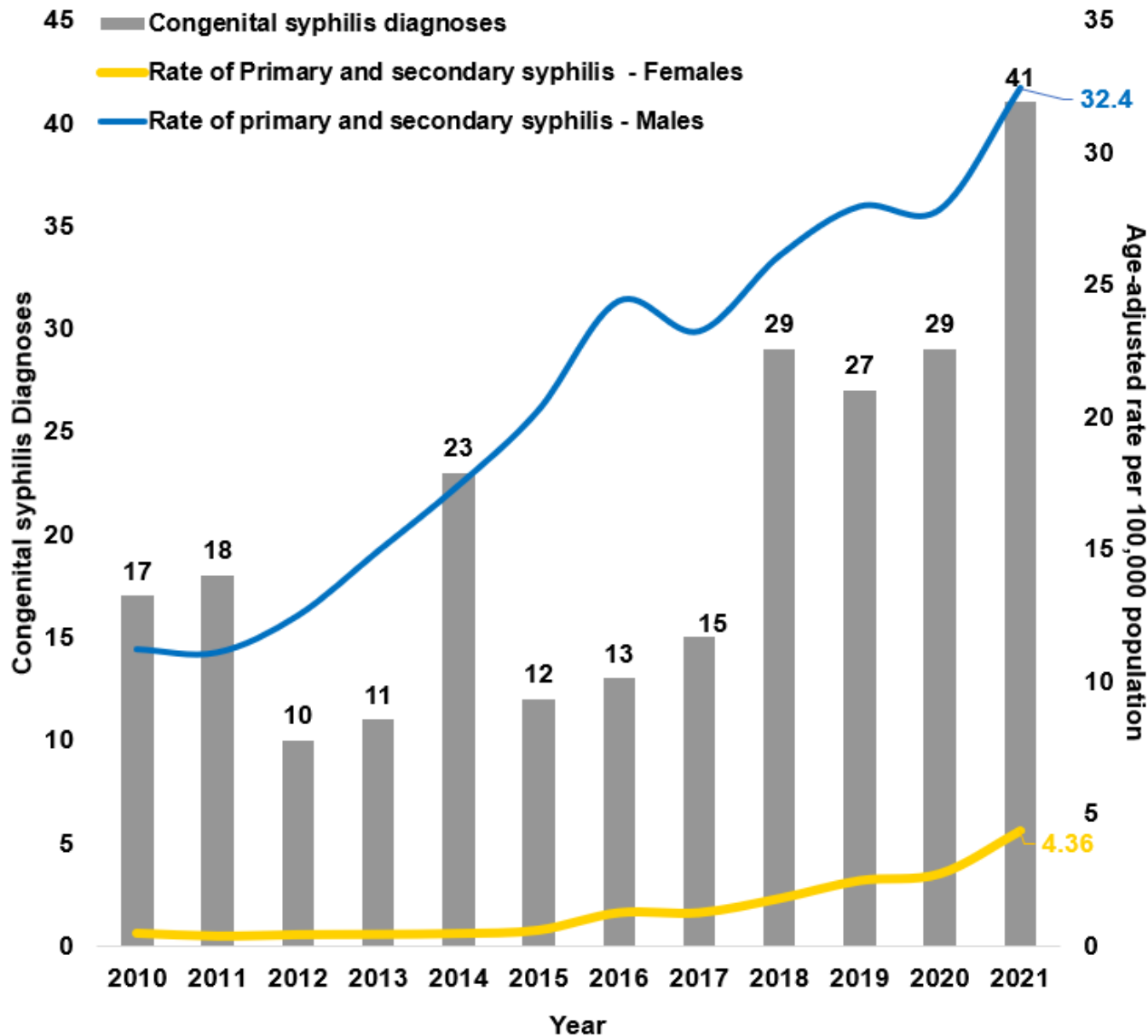


Figure 5. Primary and Secondary Syphilis Rates by Age and Sex, New York State, 2021



**Figure 6. Congenital Syphilis Diagnoses with Primary & Secondary Syphilis Rates
New York State, 2010 - 2021**



What this figure shows

The number of congenital syphilis diagnoses increased to 41 in 2021 from 29 in 2020.

The rate of primary and secondary syphilis among females has increased 243% in past 5 years (1.27 to 4.36 per 100,000)

Table 2. Syphilis by Region/County, New York State, 2021

| 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) | 3,502 | 18.4 | 5,528 | 29.7 | 4,039 | 21.1 |
| New York City (NYC) | 2,230 | 25.9 | 4,526 | 53.1 | 3,209 | 37.4 |
| Bronx | 495 | 35.8 | 1,120 | 81.9 | 730 | 52.8 |
| Kings | 684 | 25.1 | 1,184 | 44.0 | 948 | 34.5 |
| New York | 616 | 35.1 | 1,382 | 80.4 | 738 | 41.9 |
| Queens | 402 | 18.1 | 768 | 34.1 | 708 | 31.5 |
| Richmond | 33 | 7.3 | 72 | 16.2 | 85 | 19.1 |
| NYS excl. NYC | 1,272 | 12.1 | 1,002 | 9.6 | 830 | 7.4 |
| Buffalo Region | 139 | 9.9 | 104 | 7.2 | 144 | 9.8 |
| Allegany | - | - | 1 | 3.2 | 1 | 1.7 |
| Cattaraugus | - | - | 1 | 1.6 | 2 | 3.3 |
| Chautauqua | 2 | 2.1 | 6 | 5.3 | 4 | 2.6 |
| Erie | 119 | 13.5 | 87 | 9.4 | 111 | 12.2 |
| Genesee | 1 | 2.3 | 2 | 3.3 | 4 | 5.1 |
| Niagara | 16 | 7.7 | 7 | 4.0 | 15 | 8.4 |
| Orleans | 1 | 2.7 | - | - | 5 | 12.7 |
| Wyoming | - | - | - | - | 2 | 4.0 |
| Capital Region | 148 | 10.2 | 85 | 6.0 | 69 | 4.7 |
| Albany | 32 | 11.0 | 19 | 5.6 | 37 | 11.8 |
| Clinton | 2 | 2.0 | 1 | 0.7 | 1 | 0.9 |
| Columbia | 2 | 4.3 | 3 | 6.5 | 2 | 3.1 |
| Delaware | 4 | 10.6 | 1 | 1.4 | - | - |
| Essex | 2 | 5.2 | 1 | 3.8 | 1 | 1.2 |
| Franklin | 3 | 7.0 | - | - | 1 | 2.6 |
| Fulton | 4 | 6.7 | - | - | 2 | 4.8 |
| Greene | 6 | 12.1 | 4 | 8.6 | 3 | 5.5 |
| Montgomery | - | - | - | - | 1 | 2.2 |
| Otsego | 5 | 9.9 | 2 | 2.8 | - | - |
| Rensselaer | 19 | 12.0 | 19 | 12.3 | 5 | 3.2 |
| Saratoga | 16 | 6.6 | 7 | 3.0 | 5 | 1.9 |
| Schenectady | 51 | 32.5 | 19 | 13.0 | 7 | 5.0 |
| Schoharie | 1 | 4.8 | 4 | 14.2 | 1 | 3.6 |
| Warren | 1 | 2.1 | 4 | 7.5 | - | - |
| Washington | - | - | 1 | 2.1 | 3 | 4.9 |

| 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 | 123 | 7.6 | 85 | 5.2 | 73 | 4.3 |
| Broome | 5 | 2.6 | 9 | 4.1 | 4 | 2.7 |
| Cayuga | 5 | 6.8 | 4 | 6.6 | - | - |
| Chenango | - | - | 4 | 8.5 | - | - |
| Cortland | - | - | - | - | 1 | 2.3 |
| Herkimer | 2 | 4.5 | - | - | 4 | 8.0 |
| Jefferson | 4 | 3.6 | 6 | 5.5 | 4 | 3.1 |
| Lewis | 1 | 4.6 | 1 | 2.4 | - | - |
| Madison | 3 | 4.6 | 2 | 3.0 | 1 | 1.4 |
| Oneida | 15 | 7.3 | 10 | 4.5 | 25 | 10.7 |
| Onondaga | 76 | 17.4 | 34 | 7.6 | 26 | 5.3 |
| Oswego | 3 | 2.9 | 2 | 2.1 | 1 | 1.2 |
| St Lawrence | 2 | 2.0 | 1 | 1.1 | 1 | 0.5 |
| Tioga | - | - | 1 | 2.0 | - | - |
| Tompkins | 7 | 5.9 | 11 | 12.0 | 6 | 5.8 |
| Rochester Region | 428 | 35.7 | 156 | 13.4 | 142 | 11.1 |
| Chemung | 4 | 4.8 | 3 | 4.6 | 14 | 19.2 |
| Livingston | 2 | 4.7 | - | - | - | - |
| Monroe | 406 | 55.7 | 145 | 20.5 | 117 | 14.8 |
| Ontario | 4 | 4.4 | 2 | 2.2 | 5 | 5.1 |
| Schuyler | 1 | 7.2 | - | - | - | - |
| Seneca | 3 | 8.1 | 1 | 2.1 | 3 | 9.5 |
| Steuben | 3 | 3.9 | 1 | 1.5 | 2 | 2.1 |
| Wayne | 2 | 2.9 | 4 | 4.0 | - | - |
| Yates | 3 | 12.0 | - | - | 1 | 5.6 |
| Hudson Valley | 257 | 11.9 | 241 | 11.0 | 210 | 9.2 |
| Dutchess | 39 | 13.9 | 41 | 15.1 | 15 | 4.5 |
| Orange | 64 | 18.3 | 42 | 11.1 | 16 | 3.6 |
| Putnam | 6 | 5.9 | 8 | 9.2 | 6 | 7.2 |
| Rockland | 21 | 7.2 | 20 | 6.6 | 36 | 11.0 |
| Sullivan | 3 | 4.3 | 8 | 9.6 | 14 | 17.4 |
| Ulster | 9 | 4.4 | 17 | 9.6 | 9 | 5.4 |
| Westchester | 115 | 12.9 | 105 | 11.5 | 114 | 12.7 |
| Long Island | 177 | 6.6 | 331 | 12.7 | 192 | 6.2 |
| Nassau | 78 | 6.1 | 163 | 13.3 | 61 | 4.6 |
| Suffolk | 99 | 7.0 | 168 | 12.0 | 131 | 7.6 |

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

Table 3. Early Syphilis by Region/County and Sex, New York State, 2021

| Region/County | Male | | Female | | Total | |
|-----------------------------|-----------|-------|-----------|------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 7,971 | 85.1 | 996 | 10.7 | 9,030 | 48.1 |
| New York City (NYC) | 6,123 | 146.2 | 570 | 13.7 | 6,756 | 79.0 |
| Bronx | 1,366 | 207.7 | 222 | 31.9 | 1,615 | 117.7 |
| Kings | 1,698 | 130.1 | 161 | 11.8 | 1,868 | 69.0 |
| New York | 1,894 | 222.4 | 90 | 10.8 | 1,998 | 115.5 |
| Queens | 1,076 | 95.7 | 81 | 7.6 | 1,170 | 52.2 |
| Richmond | 89 | 40.0 | 16 | 7.2 | 105 | 23.5 |
| NYS excl. NYC | 1,848 | 34.6 | 426 | 8.4 | 2,274 | 21.7 |
| Buffalo Region | 208 | 28.8 | 35 | 5.1 | 243 | 17.1 |
| Allegany | 1 | 6.5 | - | - | 1 | 3.2 |
| Cattaraugus | 1 | 3.2 | - | - | 1 | 1.6 |
| Chautauqua | 8 | 14.4 | - | - | 8 | 7.4 |
| Erie | 173 | 38.3 | 33 | 7.5 | 206 | 22.9 |
| Genesee | 3 | 10.8 | - | - | 3 | 5.6 |
| Niagara | 21 | 21.4 | 2 | 2.1 | 23 | 11.7 |
| Orleans | 1 | 5.2 | - | - | 1 | 2.7 |
| Capital Region | 182 | 24.5 | 51 | 7.5 | 233 | 16.2 |
| Albany | 43 | 28.3 | 8 | 5.1 | 51 | 16.6 |
| Clinton | 3 | 5.4 | - | - | 3 | 2.7 |
| Columbia | 5 | 21.6 | - | - | 5 | 10.8 |
| Delaware | 4 | 16.6 | 1 | 6.9 | 5 | 12.0 |
| Essex | 2 | 9.7 | 1 | 8.7 | 3 | 9.0 |
| Franklin | 3 | 11.3 | - | - | 3 | 7.0 |
| Fulton | 4 | 13.2 | - | - | 4 | 6.7 |
| Greene | 9 | 34.7 | 1 | 5.0 | 10 | 20.7 |
| Otsego | 7 | 25.5 | - | - | 7 | 12.7 |
| Rensselaer | 32 | 39.6 | 6 | 8.8 | 38 | 24.3 |
| Saratoga | 19 | 15.8 | 4 | 3.4 | 23 | 9.7 |
| Schenectady | 45 | 58.0 | 25 | 33.4 | 70 | 45.5 |
| Schoharie | 4 | 30.9 | 1 | 6.9 | 5 | 19.0 |
| Warren | 1 | 4.6 | 4 | 14.3 | 5 | 9.6 |
| Washington | 1 | 4.0 | - | - | 1 | 2.1 |

| Region/County | Male | | Female | | Total | |
|-------------------------|-----------|-------|-----------|------|-----------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 186 | 22.6 | 22 | 2.8 | 208 | 12.9 |
| Broome | 10 | 9.0 | 4 | 4.3 | 14 | 6.7 |
| Cayuga | 9 | 25.0 | - | - | 9 | 13.4 |
| Chenango | 4 | 16.7 | - | - | 4 | 8.5 |
| Herkimer | 2 | 8.7 | - | - | 2 | 4.5 |
| Jefferson | 8 | 13.5 | 2 | 4.4 | 10 | 9.1 |
| Lewis | 2 | 13.6 | - | - | 2 | 7.1 |
| Madison | 5 | 15.2 | - | - | 5 | 7.6 |
| Oneida | 22 | 19.8 | 3 | 2.9 | 25 | 11.7 |
| Onondaga | 99 | 45.7 | 11 | 4.9 | 110 | 24.9 |
| Oswego | 5 | 9.8 | - | - | 5 | 5.0 |
| St Lawrence | 2 | 3.7 | 1 | 2.4 | 3 | 3.1 |
| Tioga | 1 | 4.1 | - | - | 1 | 2.0 |
| Tompkins | 17 | 33.7 | 1 | 2.3 | 18 | 17.8 |
| Rochester Region | 408 | 67.7 | 176 | 31.0 | 584 | 49.1 |
| Chemung | 4 | 10.3 | 3 | 8.6 | 7 | 9.4 |
| Livingston | 1 | 4.4 | 1 | 4.9 | 2 | 4.7 |
| Monroe | 385 | 107.1 | 166 | 46.9 | 551 | 76.1 |
| Ontario | 3 | 6.3 | 3 | 6.9 | 6 | 6.6 |
| Schuyler | 1 | 14.4 | - | - | 1 | 7.2 |
| Seneca | 3 | 15.6 | 1 | 4.3 | 4 | 10.2 |
| Steuben | 3 | 8.2 | 1 | 2.5 | 4 | 5.4 |
| Wayne | 5 | 11.1 | 1 | 2.7 | 6 | 6.9 |
| Yates | 3 | 24.2 | - | - | 3 | 12.0 |
| Hudson Valley | 422 | 38.3 | 76 | 7.3 | 498 | 22.9 |
| Dutchess | 66 | 46.3 | 14 | 10.7 | 80 | 29.0 |
| Orange | 80 | 43.3 | 26 | 15.0 | 106 | 29.4 |
| Putnam | 12 | 24.6 | 2 | 5.1 | 14 | 15.1 |
| Rockland | 32 | 21.0 | 9 | 6.3 | 41 | 13.7 |
| Sullivan | 7 | 15.1 | 4 | 12.7 | 11 | 13.9 |
| Ulster | 23 | 23.8 | 3 | 3.7 | 26 | 14.0 |
| Westchester | 202 | 45.1 | 18 | 3.9 | 220 | 24.4 |
| Long Island | 442 | 33.2 | 66 | 5.1 | 508 | 19.2 |
| Nassau | 199 | 32.0 | 42 | 6.9 | 241 | 19.5 |
| Suffolk | 243 | 34.2 | 24 | 3.4 | 267 | 19.0 |

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

Table 4. Primary and Secondary Syphilis by Region/County and Sex, New York State, 2021

| Region/County | Male | | Female | | Total | |
|-----------------------------|-----------|------|-----------|------|-----------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 3,079 | 32.4 | 406 | 4.4 | 3,502 | 18.4 |
| New York City (NYC) | 2,027 | 48.0 | 186 | 4.6 | 2,230 | 25.9 |
| Bronx | 421 | 62.9 | 68 | 9.9 | 495 | 35.8 |
| Kings | 624 | 47.4 | 58 | 4.2 | 684 | 25.1 |
| New York | 587 | 68.0 | 26 | 3.4 | 616 | 35.1 |
| Queens | 367 | 32.8 | 29 | 2.9 | 402 | 18.1 |
| Richmond | 28 | 12.2 | 5 | 2.4 | 33 | 7.3 |
| NYS excl. NYC | 1,052 | 19.7 | 220 | 4.3 | 1,272 | 12.1 |
| Buffalo Region | 119 | 16.6 | 20 | 3.0 | 139 | 9.9 |
| Chautauqua | 2 | 4.1 | - | - | 2 | 2.1 |
| Erie | 101 | 22.7 | 18 | 4.3 | 119 | 13.5 |
| Genesee | 1 | 4.3 | - | - | 1 | 2.3 |
| Niagara | 14 | 13.4 | 2 | 2.1 | 16 | 7.7 |
| Orleans | 1 | 5.2 | - | - | 1 | 2.7 |
| Capital Region | 123 | 16.4 | 25 | 3.7 | 148 | 10.2 |
| Albany | 29 | 20.3 | 3 | 1.9 | 32 | 11.0 |
| Clinton | 2 | 4.1 | - | - | 2 | 2.0 |
| Columbia | 2 | 8.7 | - | - | 2 | 4.3 |
| Delaware | 3 | 13.8 | 1 | 6.9 | 4 | 10.6 |
| Essex | 2 | 9.7 | - | - | 2 | 5.2 |
| Franklin | 3 | 11.3 | - | - | 3 | 7.0 |
| Fulton | 4 | 13.2 | - | - | 4 | 6.7 |
| Greene | 5 | 18.3 | 1 | 5.0 | 6 | 12.1 |
| Otsego | 5 | 19.7 | - | - | 5 | 9.9 |
| Rensselaer | 17 | 21.1 | 2 | 2.7 | 19 | 12.0 |
| Saratoga | 14 | 11.2 | 2 | 2.0 | 16 | 6.6 |
| Schenectady | 36 | 45.4 | 15 | 19.9 | 51 | 32.5 |
| Schoharie | 1 | 9.4 | - | - | 1 | 4.8 |
| Warren | - | - | 1 | 4.1 | 1 | 2.1 |

| Region/County | Male | | Female | | Total | |
|-------------------------|-----------|------|-----------|------|-----------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 110 | 13.3 | 13 | 1.7 | 123 | 7.6 |
| Broome | 4 | 4.3 | 1 | 1.0 | 5 | 2.6 |
| Cayuga | 5 | 12.9 | - | - | 5 | 6.8 |
| Herkimer | 2 | 8.7 | - | - | 2 | 4.5 |
| Jefferson | 3 | 4.1 | 1 | 2.8 | 4 | 3.6 |
| Lewis | 1 | 8.9 | - | - | 1 | 4.6 |
| Madison | 3 | 9.3 | - | - | 3 | 4.6 |
| Oneida | 12 | 11.3 | 3 | 2.9 | 15 | 7.3 |
| Onondaga | 69 | 31.8 | 7 | 3.4 | 76 | 17.4 |
| Oswego | 3 | 5.7 | - | - | 3 | 2.9 |
| St Lawrence | 2 | 3.7 | - | - | 2 | 2.0 |
| Tompkins | 6 | 9.4 | 1 | 2.3 | 7 | 5.9 |
| Rochester Region | 315 | 52.2 | 113 | 19.6 | 428 | 35.7 |
| Chemung | 3 | 7.1 | 1 | 2.4 | 4 | 4.8 |
| Livingston | 1 | 4.4 | 1 | 4.9 | 2 | 4.7 |
| Monroe | 297 | 82.7 | 109 | 30.2 | 406 | 55.7 |
| Ontario | 3 | 6.3 | 1 | 2.4 | 4 | 4.4 |
| Schuyler | 1 | 14.4 | - | - | 1 | 7.2 |
| Seneca | 3 | 15.6 | - | - | 3 | 8.1 |
| Steuben | 2 | 5.3 | 1 | 2.5 | 3 | 3.9 |
| Wayne | 2 | 5.8 | - | - | 2 | 2.9 |
| Yates | 3 | 24.2 | - | - | 3 | 12.0 |
| Hudson Valley | 223 | 20.5 | 34 | 3.2 | 257 | 11.9 |
| Dutchess | 32 | 22.1 | 7 | 5.3 | 39 | 13.9 |
| Orange | 50 | 28.0 | 14 | 8.2 | 64 | 18.3 |
| Putnam | 6 | 11.7 | - | - | 6 | 5.9 |
| Rockland | 18 | 12.3 | 3 | 1.9 | 21 | 7.2 |
| Sullivan | 2 | 5.3 | 1 | 3.1 | 3 | 4.3 |
| Ulster | 9 | 8.4 | - | - | 9 | 4.4 |
| Westchester | 106 | 24.0 | 9 | 1.9 | 115 | 12.9 |
| Long Island | 162 | 12.1 | 15 | 1.0 | 177 | 6.6 |
| Nassau | 69 | 10.9 | 9 | 1.3 | 78 | 6.1 |
| Suffolk | 93 | 13.0 | 6 | 0.8 | 99 | 7.0 |

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

Table 5. Early Syphilis by Sex and Age, New York State, 2021

| Age(yrs) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|----------|----------------------|-------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Male | | | | | | |
| 10-14 | 1 | 0.2 | 1 | 0.4 | 0 | 0.0 |
| 15-19 | 156 | 25.3 | 96 | 41.3 | 60 | 15.7 |
| 20-24 | 730 | 117.2 | 477 | 200.2 | 253 | 65.8 |
| 25-29 | 1,331 | 194.7 | 1,037 | 318.5 | 294 | 82.1 |
| 30-34 | 1,870 | 261.0 | 1,550 | 432.2 | 320 | 89.4 |
| 35-39 | 1,358 | 205.2 | 1,105 | 358.6 | 253 | 71.5 |
| 40-44 | 933 | 153.4 | 755 | 282.3 | 178 | 52.2 |
| 45-49 | 514 | 89.7 | 397 | 161.6 | 117 | 35.7 |
| 50-54 | 447 | 70.2 | 325 | 126.4 | 122 | 32.1 |
| 55-59 | 334 | 50.1 | 216 | 83.8 | 118 | 28.9 |
| 60-64 | 172 | 26.9 | 95 | 39.7 | 77 | 19.3 |
| 65-69 | 75 | 14.2 | 45 | 22.7 | 30 | 9.1 |
| 70+ | 50 | 5.0 | 24 | 6.3 | 26 | 4.2 |
| Female | | | | | | |
| 10-14 | 4 | 0.7 | 3 | 1.3 | 1 | 0.3 |
| 15-19 | 81 | 13.7 | 57 | 25.0 | 24 | 6.6 |
| 20-24 | 161 | 25.9 | 99 | 38.8 | 62 | 16.9 |
| 25-29 | 184 | 26.5 | 99 | 28.0 | 85 | 25.0 |
| 30-34 | 170 | 23.9 | 101 | 27.6 | 69 | 20.0 |
| 35-39 | 162 | 24.5 | 98 | 31.2 | 64 | 18.5 |
| 40-44 | 101 | 16.4 | 58 | 20.6 | 43 | 12.8 |
| 45-49 | 49 | 8.3 | 24 | 9.1 | 25 | 7.6 |
| 50-54 | 38 | 5.8 | 13 | 4.7 | 25 | 6.5 |
| 55-59 | 25 | 3.6 | 9 | 3.2 | 16 | 3.8 |
| 60-64 | 14 | 2.1 | 6 | 2.2 | 8 | 1.9 |
| 65-69 | 3 | 0.5 | 0 | 0.0 | 3 | 0.9 |
| 70+ | 4 | 0.3 | 3 | 0.5 | 1 | 0.1 |

| Age(yrs) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|----------|----------------------|-------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Total | | | | | | |
| 10-14 | 5 | 0.4 | 4 | 0.8 | 1 | 0.1 |
| 15-19 | 238 | 19.7 | 154 | 33.5 | 84 | 11.2 |
| 20-24 | 902 | 72.4 | 587 | 119.0 | 315 | 41.9 |
| 25-29 | 1,527 | 110.9 | 1,148 | 169.2 | 379 | 54.3 |
| 30-34 | 2,056 | 143.9 | 1,667 | 230.0 | 389 | 55.3 |
| 35-39 | 1,532 | 115.9 | 1,215 | 195.3 | 317 | 45.3 |
| 40-44 | 1,042 | 85.0 | 821 | 149.6 | 221 | 32.6 |
| 45-49 | 566 | 48.6 | 424 | 83.1 | 142 | 21.7 |
| 50-54 | 485 | 37.4 | 338 | 63.5 | 147 | 19.3 |
| 55-59 | 359 | 26.3 | 225 | 41.8 | 134 | 16.2 |
| 60-64 | 186 | 14.1 | 101 | 19.9 | 85 | 10.5 |
| 65-69 | 78 | 7.0 | 45 | 10.4 | 33 | 4.9 |
| 70+ | 54 | 2.3 | 27 | 2.9 | 27 | 1.9 |

Rates are per 100,000 residents.

Table 6. Primary and Secondary Syphilis by Sex and Age, New York State, 2021

| Age(yrs) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|----------|----------------------|------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Male | | | | | | |
| 10-14 | 1 | 0.2 | 1 | 0.4 | 0 | 0.0 |
| 15-19 | 86 | 14.0 | 55 | 23.7 | 31 | 8.1 |
| 20-24 | 338 | 54.3 | 200 | 83.9 | 138 | 35.9 |
| 25-29 | 544 | 79.6 | 395 | 121.3 | 149 | 41.6 |
| 30-34 | 691 | 96.4 | 493 | 137.5 | 198 | 55.3 |
| 35-39 | 458 | 69.2 | 309 | 100.3 | 149 | 42.1 |
| 40-44 | 298 | 49.0 | 206 | 77.0 | 92 | 27.0 |
| 45-49 | 185 | 32.3 | 116 | 47.2 | 69 | 21.1 |
| 50-54 | 191 | 30.0 | 117 | 45.5 | 74 | 19.5 |
| 55-59 | 133 | 20.0 | 63 | 24.4 | 70 | 17.2 |
| 60-64 | 83 | 13.0 | 41 | 17.1 | 42 | 10.5 |
| 65-69 | 42 | 8.0 | 22 | 11.1 | 20 | 6.1 |
| 70+ | 29 | 2.9 | 9 | 2.4 | 20 | 3.2 |
| Female | | | | | | |
| 10-14 | 2 | 0.4 | 1 | 0.4 | 1 | 0.3 |
| 15-19 | 33 | 5.6 | 24 | 10.5 | 9 | 2.5 |
| 20-24 | 57 | 9.2 | 32 | 12.6 | 25 | 6.8 |
| 25-29 | 67 | 9.7 | 24 | 6.8 | 43 | 12.6 |
| 30-34 | 69 | 9.7 | 30 | 8.2 | 39 | 11.3 |
| 35-39 | 70 | 10.6 | 35 | 11.1 | 35 | 10.1 |
| 40-44 | 39 | 6.3 | 18 | 6.4 | 21 | 6.3 |
| 45-49 | 22 | 3.7 | 9 | 3.4 | 13 | 4.0 |
| 50-54 | 23 | 3.5 | 7 | 2.5 | 16 | 4.2 |
| 55-59 | 13 | 1.9 | 4 | 1.4 | 9 | 2.1 |
| 60-64 | 9 | 1.3 | 2 | 0.7 | 7 | 1.7 |
| 65-69 | 2 | 0.3 | 0 | 0.0 | 2 | 0.6 |
| 70+ | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |

| Age(yrs) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|----------|----------------------|------|---------------------|------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Total | | | | | | |
| 10-14 | 3 | 0.3 | 2 | 0.4 | 1 | 0.1 |
| 15-19 | 119 | 9.8 | 79 | 17.2 | 40 | 5.3 |
| 20-24 | 398 | 32.0 | 235 | 47.7 | 163 | 21.7 |
| 25-29 | 613 | 44.5 | 421 | 62.0 | 192 | 27.5 |
| 30-34 | 763 | 53.4 | 526 | 72.6 | 237 | 33.7 |
| 35-39 | 533 | 40.3 | 349 | 56.1 | 184 | 26.3 |
| 40-44 | 339 | 27.7 | 226 | 41.2 | 113 | 16.7 |
| 45-49 | 209 | 17.9 | 127 | 24.9 | 82 | 12.5 |
| 50-54 | 214 | 16.5 | 124 | 23.3 | 90 | 11.8 |
| 55-59 | 146 | 10.7 | 67 | 12.4 | 79 | 9.5 |
| 60-64 | 92 | 7.0 | 43 | 8.5 | 49 | 6.0 |
| 65-69 | 44 | 3.9 | 22 | 5.1 | 22 | 3.2 |
| 70+ | 29 | 1.2 | 9 | 1.0 | 20 | 1.4 |

Rates are per 100,000 residents.

Table 7. Early Syphilis by Region/County and Year, New York State, 2019 - 2021

| Region/County | 2019 | | 2020 | | 2021 | |
|-----------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 7,247 | 38.6 | 7,752 | 39.8 | 9,030 | 48.1 |
| New York City (NYC) | 5,665 | 65.3 | 6,274 | 68.4 | 6,756 | 79.0 |
| Bronx | 1,300 | 92.8 | 1,442 | 99.2 | 1,615 | 117.7 |
| Kings | 1,445 | 53.3 | 1,716 | 59.3 | 1,868 | 69.0 |
| New York | 1,922 | 106.1 | 2,008 | 105.1 | 1,998 | 115.5 |
| Queens | 929 | 41.0 | 1,024 | 42.9 | 1,170 | 52.2 |
| Richmond | 69 | 15.3 | 84 | 18.2 | 105 | 23.5 |
| NYS excl. NYC | 1,582 | 15.3 | 1,478 | 14.0 | 2,274 | 21.7 |
| Buffalo Region | 134 | 9.4 | 134 | 9.1 | 243 | 17.1 |
| Allegany | 1 | 2.4 | 1 | 2.3 | 1 | 3.2 |
| Cattaraugus | 3 | 4.1 | 4 | 5.1 | 1 | 1.6 |
| Chautauqua | 4 | 3.8 | 6 | 6.3 | 8 | 7.4 |
| Erie | 109 | 12.4 | 110 | 11.8 | 206 | 22.9 |
| Genesee | 3 | 5.5 | 1 | 2.3 | 3 | 5.6 |
| Niagara | 10 | 5.0 | 10 | 5.0 | 23 | 11.7 |
| Orleans | 2 | 3.6 | 2 | 5.4 | 1 | 2.7 |
| Wyoming | 2 | 6.5 | - | - | - | - |
| Capital Region | 219 | 15.9 | 184 | 13.0 | 233 | 16.2 |
| Albany | 98 | 32.5 | 75 | 24.5 | 51 | 16.6 |
| Clinton | 2 | 3.6 | - | - | 3 | 2.7 |
| Columbia | 5 | 10.0 | 8 | 17.0 | 5 | 10.8 |
| Delaware | 2 | 7.4 | 1 | 2.9 | 5 | 12.0 |
| Essex | - | - | 1 | 3.7 | 3 | 9.0 |
| Franklin | 1 | 2.8 | 1 | 2.1 | 3 | 7.0 |
| Fulton | 2 | 4.6 | - | - | 4 | 6.7 |
| Greene | 5 | 12.9 | 5 | 9.9 | 10 | 20.7 |
| Montgomery | - | - | 2 | 4.9 | - | - |
| Otsego | 5 | 8.2 | 6 | 12.4 | 7 | 12.7 |
| Rensselaer | 41 | 27.5 | 42 | 26.6 | 38 | 24.3 |
| Saratoga | 9 | 4.2 | 10 | 4.6 | 23 | 9.7 |
| Schenectady | 40 | 26.0 | 22 | 15.2 | 70 | 45.5 |
| Schoharie | 1 | 3.9 | 3 | 10.5 | 5 | 19.0 |
| Warren | 6 | 10.4 | 8 | 11.4 | 5 | 9.6 |
| Washington | 2 | 3.6 | - | - | 1 | 2.1 |

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

| Region/County | 2019 | | 2020 | | 2021 | |
|-------------------------|-----------|------|-----------|------|-----------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 134 | 8.4 | 83 | 5.0 | 208 | 12.9 |
| Broome | 19 | 10.7 | 4 | 2.4 | 14 | 6.7 |
| Cayuga | 1 | 0.8 | 2 | 2.8 | 9 | 13.4 |
| Chenango | 3 | 7.0 | 4 | 6.9 | 4 | 8.5 |
| Cortland | 6 | 14.1 | 1 | 1.2 | - | - |
| Herkimer | 4 | 6.5 | 1 | 2.0 | 2 | 4.5 |
| Jefferson | 8 | 6.4 | 8 | 6.4 | 10 | 9.1 |
| Lewis | 2 | 9.3 | 1 | 4.7 | 2 | 7.1 |
| Madison | 4 | 5.3 | 2 | 3.1 | 5 | 7.6 |
| Oneida | 18 | 8.0 | 12 | 5.9 | 25 | 11.7 |
| Onondaga | 37 | 9.1 | 30 | 6.8 | 110 | 24.9 |
| Oswego | 6 | 4.9 | - | - | 5 | 5.0 |
| St Lawrence | 6 | 7.0 | 3 | 3.0 | 3 | 3.1 |
| Tioga | 3 | 7.0 | - | - | 1 | 2.0 |
| Tompkins | 17 | 16.6 | 15 | 9.8 | 18 | 17.8 |
| Rochester Region | 316 | 26.8 | 345 | 28.3 | 584 | 49.1 |
| Chemung | 6 | 8.2 | 3 | 2.9 | 7 | 9.4 |
| Livingston | 3 | 5.1 | 5 | 9.8 | 2 | 4.7 |
| Monroe | 287 | 39.9 | 312 | 41.5 | 551 | 76.1 |
| Ontario | 5 | 5.5 | 7 | 7.0 | 6 | 6.6 |
| Schuyler | 2 | 14.6 | 1 | 7.2 | 1 | 7.2 |
| Seneca | 3 | 9.7 | 2 | 7.6 | 4 | 10.2 |
| Steuben | 6 | 6.4 | 5 | 6.8 | 4 | 5.4 |
| Wayne | 3 | 4.5 | 10 | 13.8 | 6 | 6.9 |
| Yates | 1 | 3.5 | - | - | 3 | 12.0 |
| Hudson Valley | 424 | 20.0 | 405 | 18.7 | 498 | 22.9 |
| Dutchess | 95 | 33.9 | 70 | 24.7 | 80 | 29.0 |
| Orange | 105 | 28.6 | 98 | 25.5 | 106 | 29.4 |
| Putnam | 8 | 9.2 | 12 | 14.2 | 14 | 15.1 |
| Rockland | 38 | 13.6 | 35 | 11.9 | 41 | 13.7 |
| Sullivan | 9 | 13.3 | 8 | 11.2 | 11 | 13.9 |
| Ulster | 29 | 17.8 | 22 | 14.0 | 26 | 14.0 |
| Westchester | 140 | 16.0 | 160 | 18.3 | 220 | 24.4 |
| Long Island | 355 | 13.7 | 327 | 12.4 | 508 | 19.2 |
| Nassau | 189 | 15.3 | 161 | 12.9 | 241 | 19.5 |
| Suffolk | 166 | 12.4 | 166 | 11.9 | 267 | 19.0 |

Table 8. Early Syphilis by Year and Region, New York State, 1959 - 2021

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1959 | 3,374 | 20.0 | 3,128 | 40.2 | 246 | 2.7 |
| 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 |

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|------|---------------------|-------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1991 | 11,486 | 63.9 | 9,902 | 135.2 | 1,584 | 14.9 |
| 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 | 79.8 | 2,274 | 20.0 |

Rates are per 100,000 residents.

**Table 9. Primary and Secondary Syphilis by Year and Region
New York State, 1956 - 2021**

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|------|---------------------|------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1956 | 739 | 4.5 | 605 | 7.5 | 134 | 1.6 |
| 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 |

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|------|---------------------|------|---------------|------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 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 | 17.7 | 2,230 | 26.3 | 1,272 | 11.2 |

Rates are per 100,000 residents.

Figure 7. Gonorrhea by Year and Region, New York State, 1960 - 2021

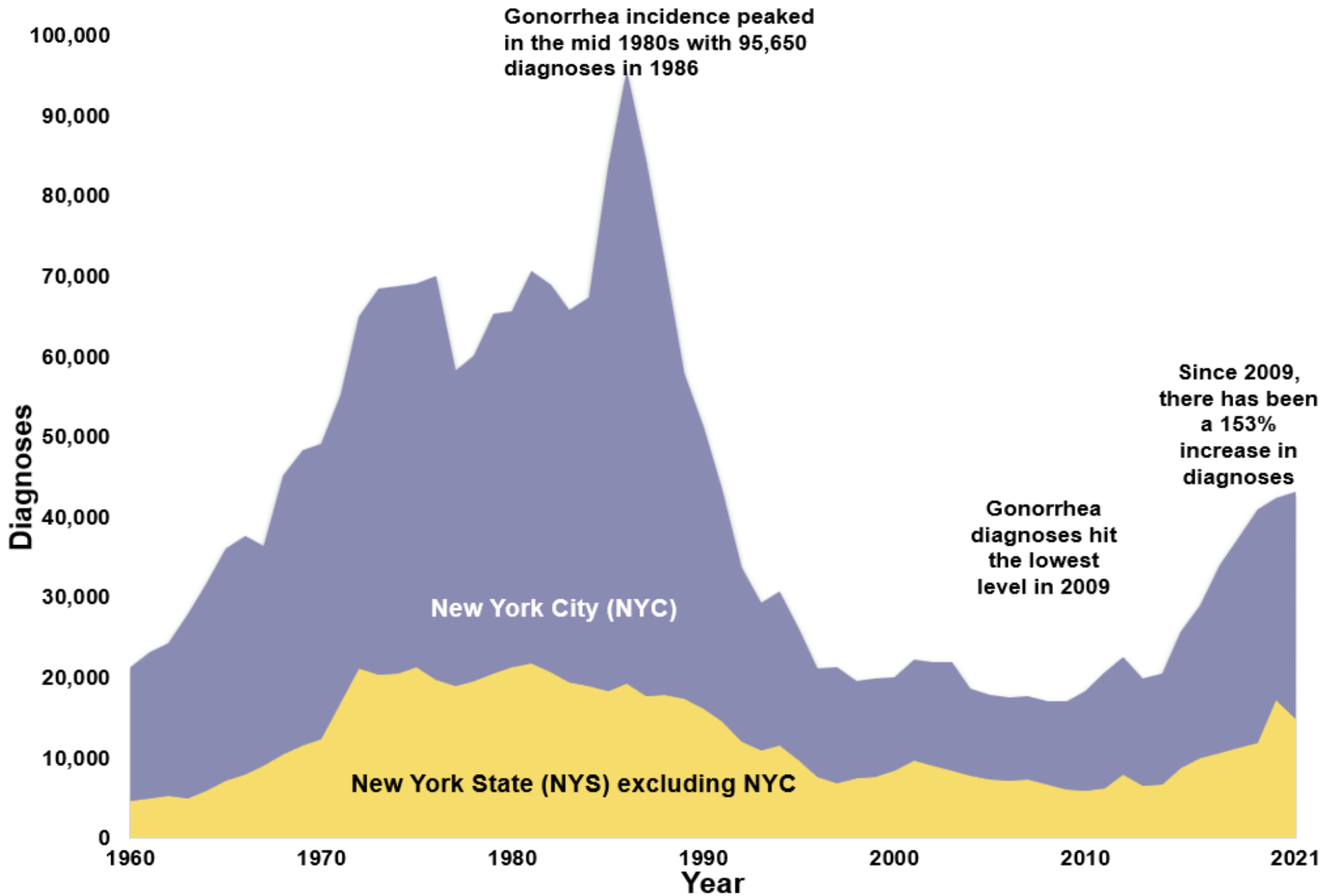
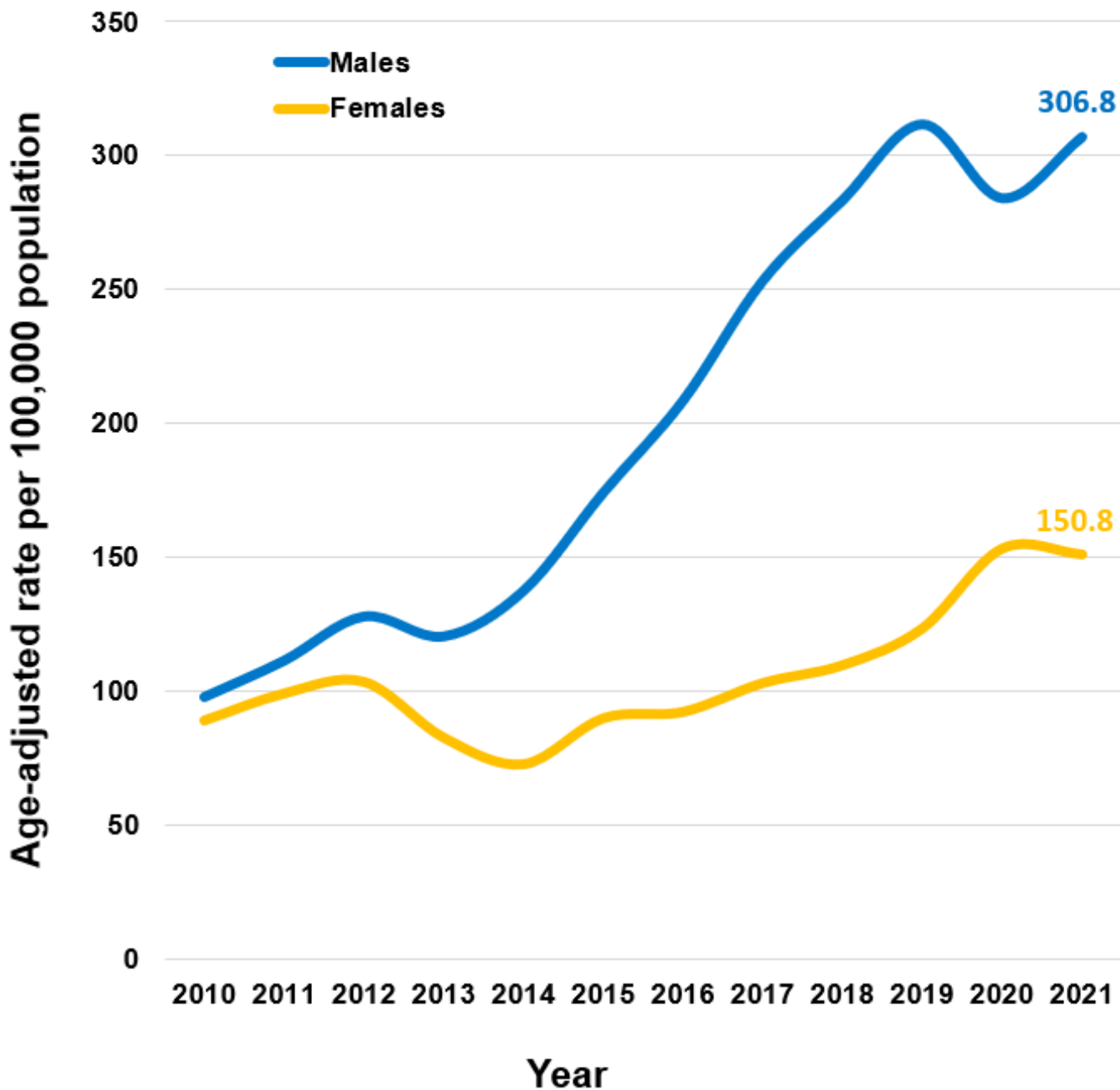


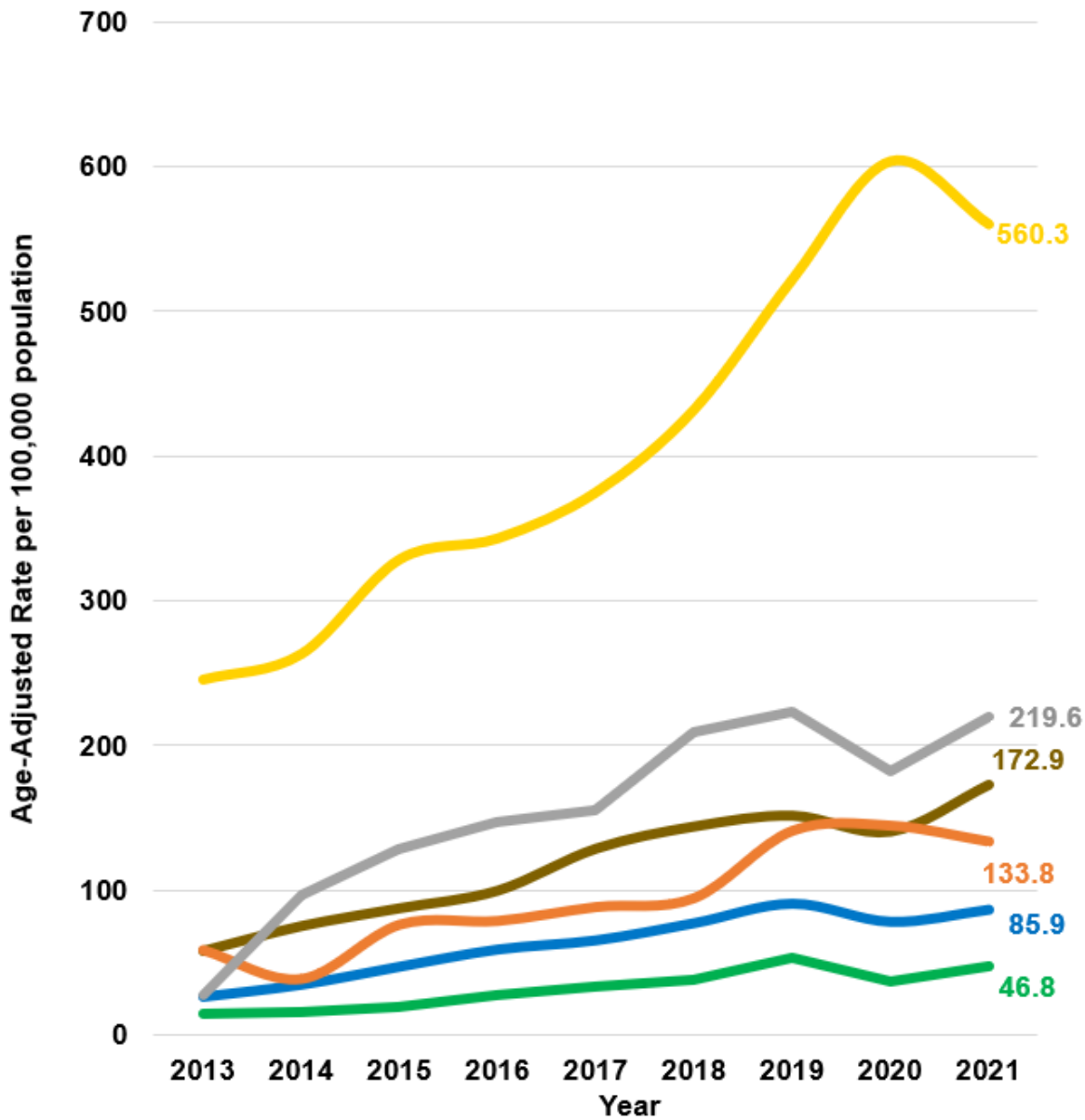
Figure 8. Gonorrhea Rates by Sex and Year, New York State, 2010 - 2021



What this figure shows
Since 2014, the rate among **males** has continued to exceed those among **females**

In 2021, the rate in males rebounded after the COVID-19 influenced decline in 2020. The rate in females declined slightly compared to 2020.

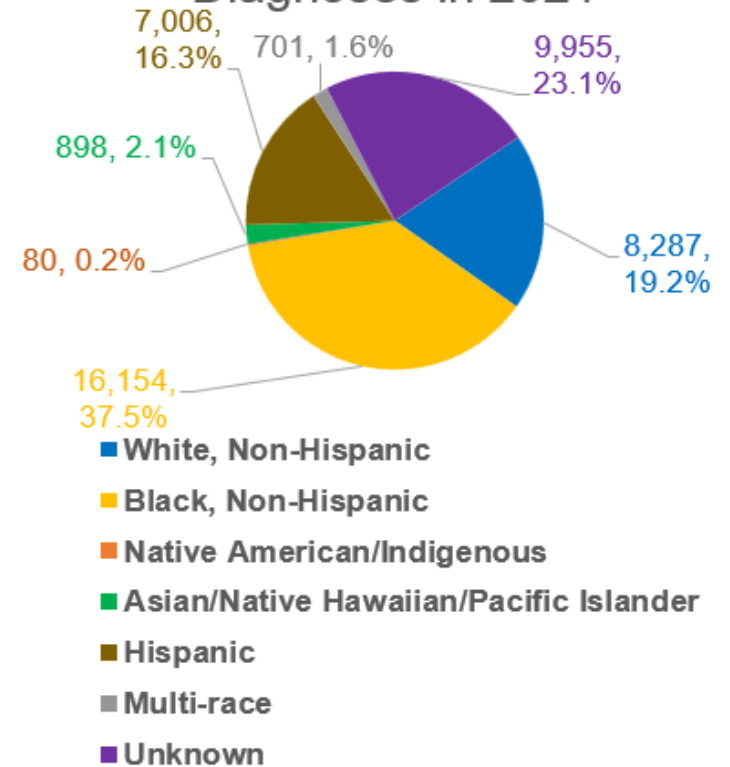
Figure 9. Gonorrhea Rates by Race/Ethnicity and Year, New York State, 2013 - 2021



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 2021



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

Figure 10. Gonorrhea Rates by Age and Sex, New York State, 2021

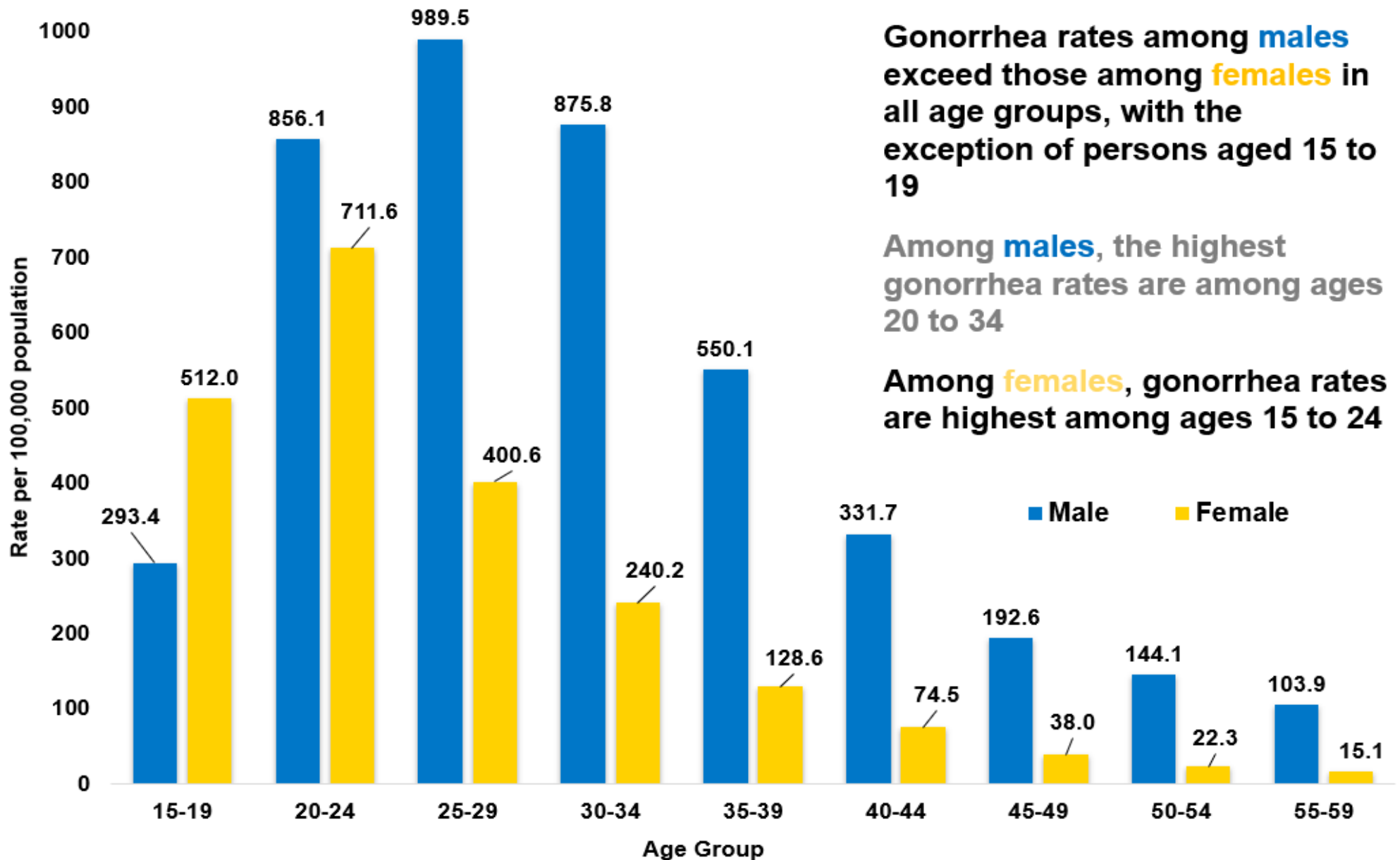


Table 10. Gonorrhea by Region/County and Sex, New York State, 2021

| Region/County | Male | | Female | | Total | |
|-----------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 29,018 | 306.8 | 13,968 | 150.9 | 43,081 | 228.8 |
| New York City (NYC) | 20,941 | 499.2 | 7,126 | 177.9 | 28,162 | 335.3 |
| Bronx | 3,799 | 551.0 | 2,242 | 313.6 | 6,080 | 428.1 |
| Kings | 6,383 | 483.8 | 2,286 | 182.0 | 8,690 | 327.4 |
| New York | 7,197 | 842.5 | 1,280 | 162.4 | 8,494 | 495.2 |
| Queens | 3,234 | 292.1 | 1,108 | 108.6 | 4,360 | 200.8 |
| Richmond | 328 | 145.8 | 210 | 95.7 | 538 | 120.6 |
| NYS excl. NYC | 8,077 | 151.9 | 6,842 | 133.4 | 14,919 | 142.6 |
| Buffalo Region | 1,706 | 235.6 | 1,411 | 204.0 | 3,117 | 219.7 |
| Allegany | 8 | 34.2 | 4 | 17.4 | 12 | 26.0 |
| Cattaraugus | 33 | 98.5 | 28 | 92.2 | 61 | 95.3 |
| Chautauqua | 89 | 164.0 | 97 | 185.8 | 186 | 173.4 |
| Erie | 1,356 | 300.3 | 1,039 | 236.5 | 2,395 | 267.9 |
| Genesee | 27 | 99.2 | 31 | 134.8 | 58 | 115.5 |
| Niagara | 169 | 185.0 | 188 | 214.5 | 357 | 199.2 |
| Orleans | 17 | 88.2 | 13 | 76.1 | 30 | 82.0 |
| Wyoming | 7 | 30.6 | 11 | 68.4 | 18 | 46.9 |
| Capital Region | 887 | 122.2 | 834 | 121.8 | 1,721 | 121.8 |
| Albany | 370 | 231.5 | 307 | 176.1 | 677 | 203.9 |
| Clinton | 22 | 48.9 | 12 | 26.6 | 34 | 38.7 |
| Columbia | 21 | 78.3 | 16 | 71.3 | 37 | 73.9 |
| Delaware | 5 | 27.8 | 9 | 49.9 | 14 | 37.5 |
| Essex | 1 | 5.1 | 1 | 2.5 | 2 | 4.1 |
| Franklin | 3 | 11.3 | 2 | 10.9 | 5 | 11.4 |
| Fulton | 20 | 86.1 | 27 | 128.7 | 47 | 106.6 |
| Greene | 15 | 65.3 | 16 | 91.9 | 31 | 74.3 |
| Montgomery | 33 | 153.1 | 41 | 199.3 | 74 | 175.2 |
| Otsego | 13 | 49.6 | 8 | 32.9 | 21 | 40.8 |
| Rensselaer | 117 | 148.6 | 130 | 179.0 | 247 | 161.7 |
| Saratoga | 36 | 34.3 | 62 | 62.9 | 98 | 48.4 |
| Schenectady | 196 | 265.5 | 185 | 254.1 | 381 | 258.9 |
| Schoharie | 6 | 44.1 | 3 | 23.8 | 9 | 34.3 |
| Warren | 18 | 65.3 | 10 | 41.8 | 28 | 53.5 |
| Washington | 11 | 37.1 | 5 | 21.7 | 16 | 29.7 |

| Region/County | Male | | Female | | Total | |
|-------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 1,376 | 165.3 | 1,384 | 169.4 | 2,760 | 167.1 |
| Broome | 149 | 157.7 | 145 | 148.4 | 294 | 152.7 |
| Cayuga | 43 | 120.0 | 37 | 124.2 | 80 | 121.9 |
| Chenango | 17 | 84.4 | 7 | 40.2 | 24 | 62.9 |
| Cortland | 20 | 105.8 | 22 | 98.9 | 42 | 103.6 |
| Herkimer | 17 | 67.2 | 18 | 73.1 | 35 | 70.0 |
| Jefferson | 88 | 123.3 | 78 | 141.4 | 166 | 130.5 |
| Lewis | 12 | 101.0 | 8 | 81.1 | 20 | 91.9 |
| Madison | 24 | 82.5 | 17 | 54.1 | 41 | 68.7 |
| Oneida | 184 | 171.5 | 212 | 214.6 | 396 | 191.7 |
| Onondaga | 652 | 297.0 | 691 | 300.9 | 1,343 | 298.8 |
| Oswego | 49 | 97.6 | 78 | 151.8 | 127 | 124.2 |
| St Lawrence | 18 | 30.7 | 13 | 29.9 | 31 | 30.2 |
| Tioga | 13 | 68.0 | 7 | 37.2 | 20 | 52.6 |
| Tompkins | 90 | 140.7 | 51 | 79.9 | 141 | 110.3 |
| Rochester Region | 1,523 | 257.3 | 1,614 | 277.8 | 3,137 | 267.0 |
| Chemung | 65 | 171.5 | 81 | 232.3 | 146 | 200.4 |
| Livingston | 11 | 40.1 | 8 | 34.2 | 19 | 37.5 |
| Monroe | 1,300 | 362.5 | 1,332 | 367.8 | 2,632 | 363.8 |
| Ontario | 40 | 76.2 | 53 | 109.0 | 93 | 92.3 |
| Schuyler | 6 | 79.1 | 8 | 119.3 | 14 | 100.1 |
| Seneca | 9 | 53.4 | 15 | 107.5 | 24 | 76.5 |
| Steuben | 40 | 102.5 | 57 | 155.3 | 97 | 128.3 |
| Wayne | 48 | 122.2 | 56 | 156.5 | 104 | 139.0 |
| Yates | 4 | 42.0 | 4 | 34.5 | 8 | 38.4 |
| Hudson Valley | 1,209 | 110.3 | 789 | 73.9 | 1,998 | 92.3 |
| Dutchess | 124 | 86.6 | 108 | 79.1 | 232 | 82.9 |
| Orange | 181 | 91.5 | 152 | 82.4 | 333 | 86.5 |
| Putnam | 25 | 56.5 | 9 | 22.2 | 34 | 39.9 |
| Rockland | 130 | 86.3 | 58 | 38.3 | 188 | 62.6 |
| Sullivan | 38 | 96.8 | 32 | 100.6 | 70 | 98.6 |
| Ulster | 75 | 88.9 | 68 | 88.4 | 143 | 89.0 |
| Westchester | 636 | 144.8 | 362 | 81.9 | 998 | 113.1 |
| Long Island | 1,376 | 103.6 | 810 | 62.9 | 2,186 | 83.4 |
| Nassau | 626 | 100.8 | 358 | 59.2 | 984 | 80.1 |
| Suffolk | 750 | 106.1 | 452 | 66.1 | 1,202 | 86.3 |

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

Table 6. Gonorrhea by Sex and Age, New York State, 2021

| Age(yrs) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|---------------|----------------------|-------|---------------------|---------|---------------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Male | | | | | | |
| 10-14 | 34 | 5.7 | 23 | 9.4 | 11 | 3.1 |
| 15-19 | 1,807 | 293.4 | 1,084 | 466.3 | 723 | 188.6 |
| 20-24 | 5,333 | 856.1 | 3,393 | 1,424.2 | 1,940 | 504.2 |
| 25-29 | 6,765 | 989.5 | 4,946 | 1,519.2 | 1,819 | 508.0 |
| 30-34 | 6,276 | 875.8 | 4,919 | 1,371.5 | 1,357 | 379.1 |
| 35-39 | 3,641 | 550.1 | 2,824 | 916.5 | 817 | 230.9 |
| 40-44 | 2,018 | 331.7 | 1,566 | 585.6 | 452 | 132.5 |
| 45-49 | 1,104 | 192.6 | 810 | 329.6 | 294 | 89.8 |
| 50-54 | 918 | 144.1 | 649 | 252.4 | 269 | 70.8 |
| 55-59 | 692 | 103.9 | 483 | 187.3 | 209 | 51.2 |
| 60-64 | 273 | 42.7 | 158 | 66.1 | 115 | 28.8 |
| 65-69 | 116 | 22.0 | 69 | 34.8 | 47 | 14.2 |
| 70+ | 36 | 3.6 | 13 | 3.4 | 23 | 3.7 |
| Female | | | | | | |
| 10-14 | 134 | 23.7 | 69 | 29.7 | 65 | 19.5 |
| 15-19 | 3,034 | 512.0 | 1,592 | 699.6 | 1,442 | 395.0 |
| 20-24 | 4,430 | 711.6 | 2,309 | 905.9 | 2,121 | 576.9 |
| 25-29 | 2,777 | 400.6 | 1,399 | 396.3 | 1,378 | 405.0 |
| 30-34 | 1,710 | 240.2 | 842 | 230.0 | 868 | 251.0 |
| 35-39 | 849 | 128.6 | 400 | 127.4 | 449 | 129.7 |
| 40-44 | 460 | 74.5 | 204 | 72.5 | 256 | 76.2 |
| 45-49 | 225 | 38.0 | 120 | 45.3 | 105 | 32.1 |
| 50-54 | 147 | 22.3 | 77 | 28.0 | 70 | 18.3 |
| 55-59 | 106 | 15.1 | 67 | 23.9 | 39 | 9.3 |
| 60-64 | 56 | 8.2 | 25 | 9.3 | 31 | 7.5 |
| 65-69 | 18 | 3.1 | 11 | 4.7 | 7 | 2.0 |
| 70+ | 14 | 1.0 | 8 | 1.4 | 6 | 0.7 |

| Age(yrs) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|--------------|----------------------|-------|---------------------|---------|---------------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Total | | | | | | |
| 10-14 | 168 | 14.4 | 92 | 19.3 | 76 | 11.1 |
| 15-19 | 4,846 | 401.0 | 2,681 | 582.8 | 2,165 | 289.3 |
| 20-24 | 9,778 | 785.1 | 5,717 | 1,159.3 | 4,061 | 539.8 |
| 25-29 | 9,566 | 694.8 | 6,369 | 938.6 | 3,197 | 457.8 |
| 30-34 | 8,008 | 560.6 | 5,783 | 797.9 | 2,225 | 316.2 |
| 35-39 | 4,504 | 340.6 | 3,238 | 520.4 | 1,266 | 180.8 |
| 40-44 | 2,489 | 203.0 | 1,781 | 324.5 | 708 | 104.6 |
| 45-49 | 1,331 | 114.2 | 932 | 182.6 | 399 | 60.9 |
| 50-54 | 1,067 | 82.4 | 728 | 136.7 | 339 | 44.5 |
| 55-59 | 798 | 58.4 | 550 | 102.1 | 248 | 29.9 |
| 60-64 | 329 | 24.9 | 183 | 36.0 | 146 | 18.0 |
| 65-69 | 134 | 12.0 | 80 | 18.4 | 54 | 7.9 |
| 70+ | 50 | 2.1 | 21 | 2.2 | 29 | 2.0 |

Rates are per 100,000 residents.

Table 12. Gonorrhea by Region/County and Year, New York State, 2019 - 2021

| Region/County | 2019 | | 2020 | | 2021 | |
|-----------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 40,896 | 217.0 | 42,318 | 218.4 | 43,081 | 228.8 |
| New York City (NYC) | 28,973 | 341.0 | 25,027 | 283.6 | 28,162 | 335.3 |
| Bronx | 5,932 | 410.1 | 5,939 | 398.6 | 6,080 | 428.1 |
| Kings | 8,989 | 343.8 | 7,753 | 282.0 | 8,690 | 327.4 |
| New York | 9,242 | 500.8 | 6,841 | 370.4 | 8,494 | 495.2 |
| Queens | 4,322 | 200.3 | 3,893 | 170.9 | 4,360 | 200.8 |
| Richmond | 488 | 111.9 | 601 | 133.2 | 538 | 120.6 |
| NYS excl. NYC | 11,923 | 115.0 | 17,291 | 164.6 | 14,919 | 142.6 |
| Buffalo Region | 2,521 | 179.3 | 3,817 | 267.5 | 3,117 | 219.7 |
| Allegany | 12 | 29.8 | 9 | 19.2 | 12 | 26.0 |
| Cattaraugus | 37 | 55.2 | 48 | 76.7 | 61 | 95.3 |
| Chautauqua | 138 | 122.3 | 144 | 131.1 | 186 | 173.4 |
| Erie | 1,942 | 222.1 | 3,016 | 336.1 | 2,395 | 267.9 |
| Genesee | 26 | 52.5 | 38 | 75.2 | 58 | 115.5 |
| Niagara | 337 | 184.0 | 500 | 274.1 | 357 | 199.2 |
| Orleans | 20 | 54.7 | 47 | 131.5 | 30 | 82.0 |
| Wyoming | 9 | 28.1 | 15 | 45.5 | 18 | 46.9 |
| Capital Region | 1,577 | 112.5 | 2,170 | 153.9 | 1,721 | 121.8 |
| Albany | 733 | 224.5 | 911 | 267.9 | 677 | 203.9 |
| Clinton | 29 | 35.3 | 17 | 21.8 | 34 | 38.7 |
| Columbia | 30 | 65.9 | 48 | 104.1 | 37 | 73.9 |
| Delaware | 10 | 24.8 | 14 | 39.7 | 14 | 37.5 |
| Essex | 11 | 39.4 | 4 | 14.3 | 2 | 4.1 |
| Franklin | 5 | 10.0 | 12 | 24.5 | 5 | 11.4 |
| Fulton | 28 | 62.3 | 86 | 196.2 | 47 | 106.6 |
| Greene | 16 | 39.3 | 26 | 62.9 | 31 | 74.3 |
| Hamilton | 1 | 35.9 | - | - | - | - |
| Montgomery | 30 | 72.2 | 76 | 174.2 | 74 | 175.2 |
| Otsego | 26 | 42.7 | 28 | 51.1 | 21 | 40.8 |
| Rensselaer | 275 | 179.7 | 364 | 236.6 | 247 | 161.7 |
| Saratoga | 88 | 43.1 | 103 | 50.4 | 98 | 48.4 |
| Schenectady | 245 | 170.5 | 424 | 291.8 | 381 | 258.9 |
| Schoharie | 7 | 26.0 | 5 | 17.6 | 9 | 34.3 |
| Warren | 30 | 56.5 | 31 | 57.2 | 28 | 53.5 |
| Washington | 13 | 23.8 | 21 | 39.1 | 16 | 29.7 |

| Region/County | 2019 | | 2020 | | 2021 | |
|-------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 1,819 | 109.0 | 2,701 | 161.1 | 2,760 | 167.1 |
| Broome | 208 | 111.7 | 310 | 164.3 | 294 | 152.7 |
| Cayuga | 62 | 95.6 | 101 | 157.3 | 80 | 121.9 |
| Chenango | 14 | 35.8 | 17 | 42.4 | 24 | 62.9 |
| Cortland | 23 | 43.7 | 33 | 77.2 | 42 | 103.6 |
| Herkimer | 20 | 38.8 | 33 | 67.7 | 35 | 70.0 |
| Jefferson | 95 | 79.0 | 230 | 178.8 | 166 | 130.5 |
| Lewis | 3 | 14.6 | 4 | 17.8 | 20 | 91.9 |
| Madison | 24 | 38.1 | 28 | 43.7 | 41 | 68.7 |
| Oneida | 160 | 77.4 | 347 | 164.2 | 396 | 191.7 |
| Onondaga | 1,017 | 228.7 | 1,398 | 307.9 | 1,343 | 298.8 |
| Oswego | 39 | 36.9 | 49 | 46.4 | 127 | 124.2 |
| St Lawrence | 24 | 23.8 | 28 | 23.8 | 31 | 30.2 |
| Tioga | 13 | 34.0 | 26 | 64.5 | 20 | 52.6 |
| Tompkins | 117 | 78.7 | 97 | 80.7 | 141 | 110.3 |
| Rochester Region | 2,652 | 224.1 | 4,494 | 379.1 | 3,137 | 267.0 |
| Chemung | 110 | 152.4 | 116 | 159.2 | 146 | 200.4 |
| Livingston | 40 | 63.3 | 39 | 65.2 | 19 | 37.5 |
| Monroe | 2,296 | 317.2 | 4,045 | 553.0 | 2,632 | 363.8 |
| Ontario | 58 | 59.5 | 74 | 76.4 | 93 | 92.3 |
| Schuyler | 8 | 62.6 | 4 | 29.1 | 14 | 100.1 |
| Seneca | 16 | 52.4 | 19 | 61.7 | 24 | 76.5 |
| Steuben | 67 | 82.3 | 34 | 44.6 | 97 | 128.3 |
| Wayne | 51 | 69.3 | 159 | 212.2 | 104 | 139.0 |
| Yates | 6 | 26.6 | 4 | 14.7 | 8 | 38.4 |
| Hudson Valley | 1,735 | 81.4 | 2,116 | 97.7 | 1,998 | 92.3 |
| Dutchess | 210 | 74.5 | 300 | 108.0 | 232 | 82.9 |
| Orange | 288 | 77.2 | 397 | 105.4 | 333 | 86.5 |
| Putnam | 30 | 36.3 | 31 | 35.7 | 34 | 39.9 |
| Rockland | 140 | 47.4 | 114 | 37.0 | 188 | 62.6 |
| Sullivan | 46 | 68.6 | 108 | 155.4 | 70 | 98.6 |
| Ulster | 115 | 71.0 | 149 | 91.7 | 143 | 89.0 |
| Westchester | 906 | 104.5 | 1,017 | 114.5 | 998 | 113.1 |
| Long Island | 1,619 | 63.1 | 1,993 | 75.9 | 2,186 | 83.4 |
| Nassau | 818 | 67.1 | 935 | 75.5 | 984 | 80.1 |
| Suffolk | 801 | 59.6 | 1,058 | 76.5 | 1,202 | 86.3 |

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

Table 13. Gonorrhea by Year and Region, New York State, 1959 - 2021

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|-------|---------------------|---------|---------------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1959 | 18,610 | 110.2 | 14,400 | 185.2 | 4,210 | 47.4 |
| 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 |

| Year | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|------|----------------------|-------|---------------------|-------|---------------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| 1991 | 43,530 | 242.3 | 28,940 | 395.3 | 14,590 | 136.7 |
| 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 | 217.2 | 28,162 | 332.6 | 14,919 | 131.2 |

Rates are per 100,000 residents.

Figure 11. Chlamydia by Year and Region, New York State, 2001 - 2021

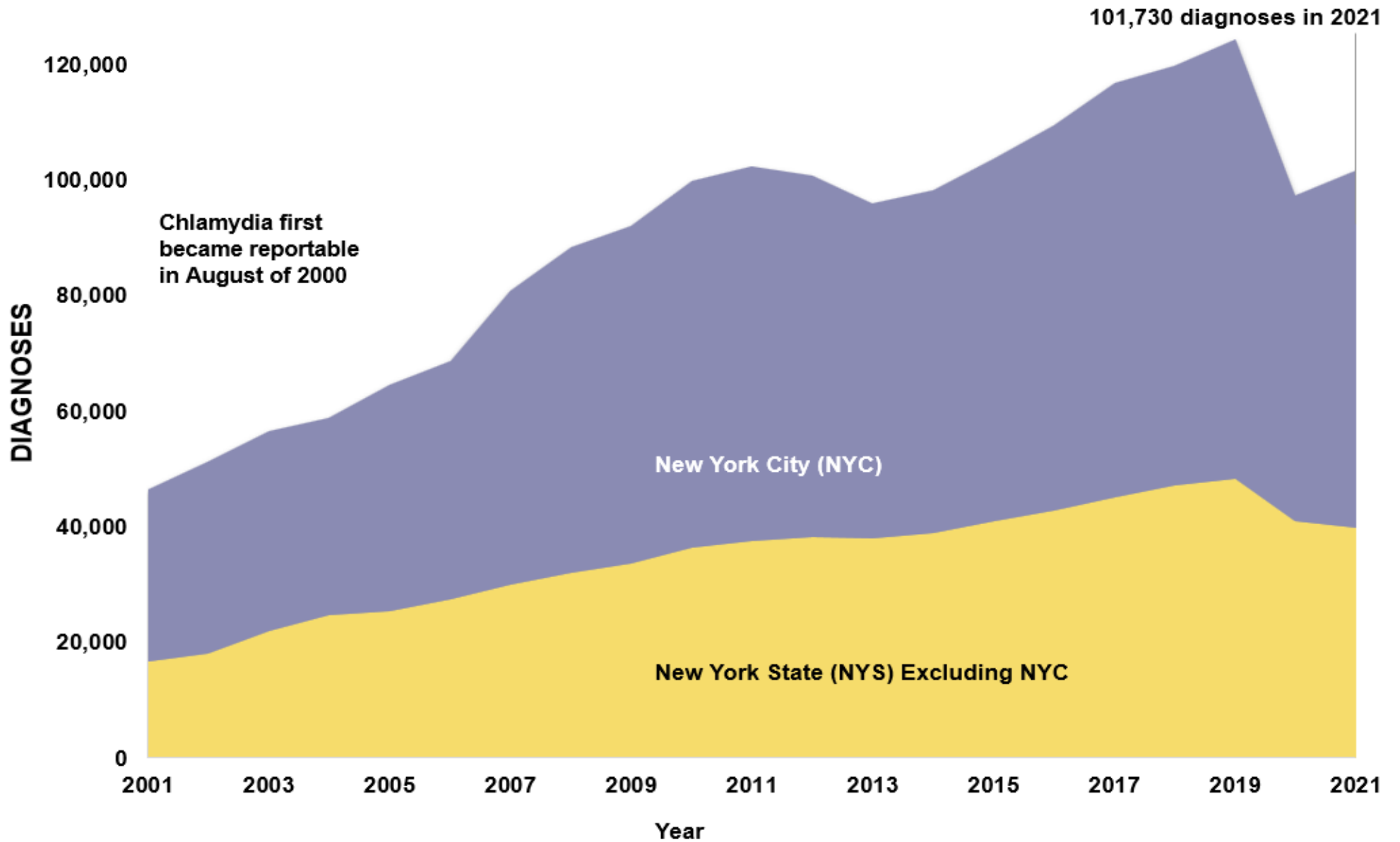
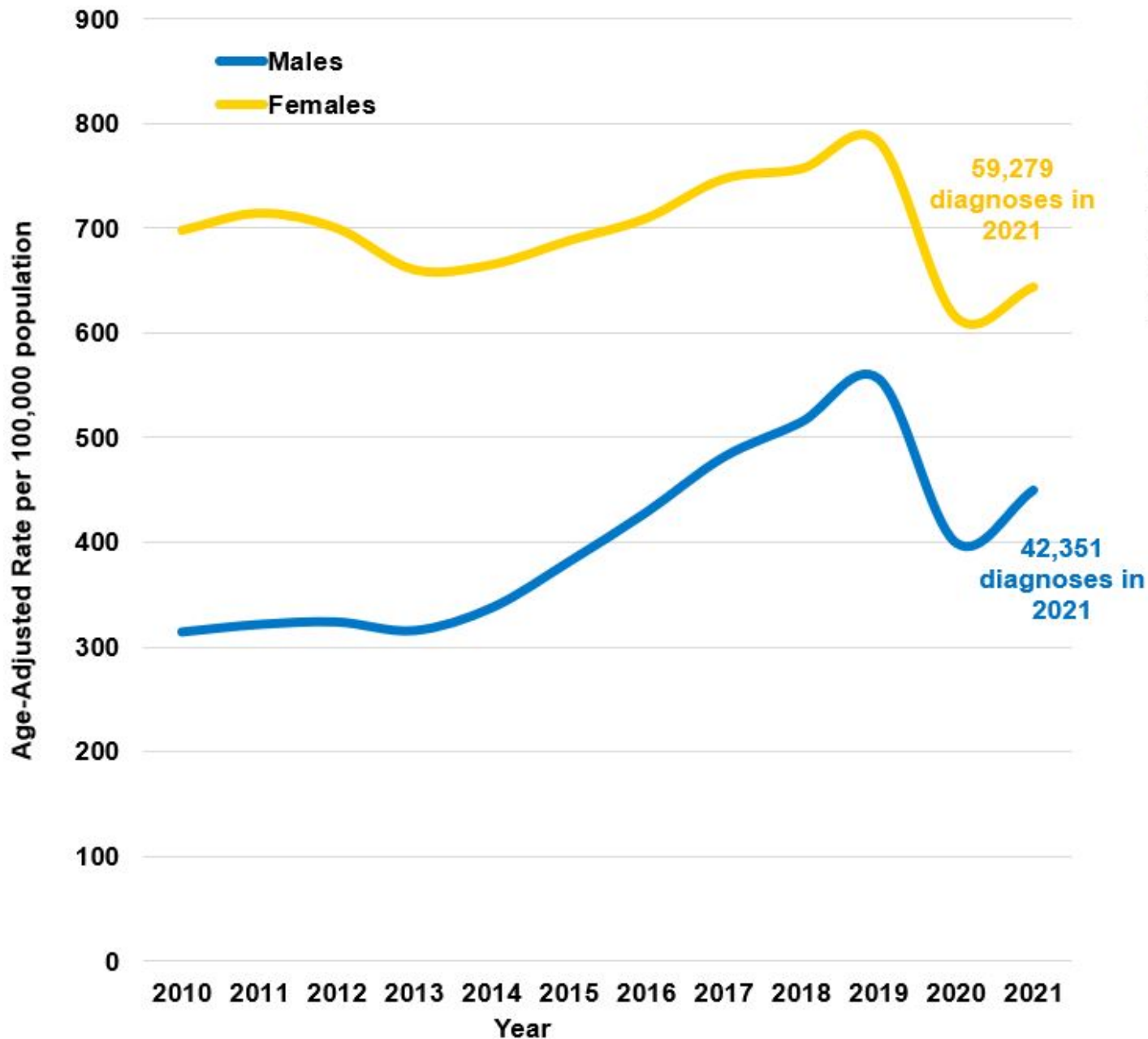


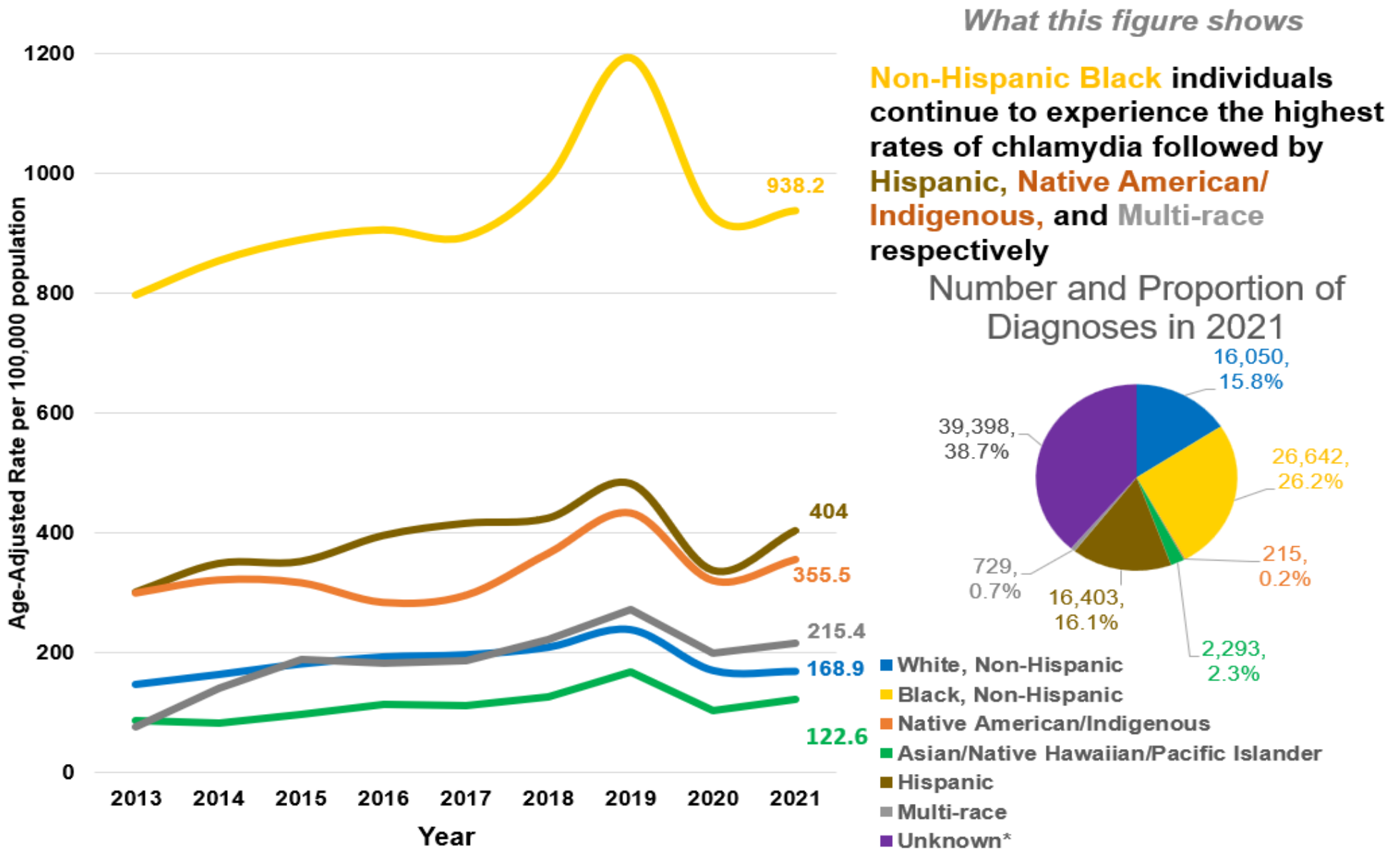
Figure 12. Chlamydia Rates by Sex and Year, New York State, 2010 - 2021



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 - 2021



*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, 2021

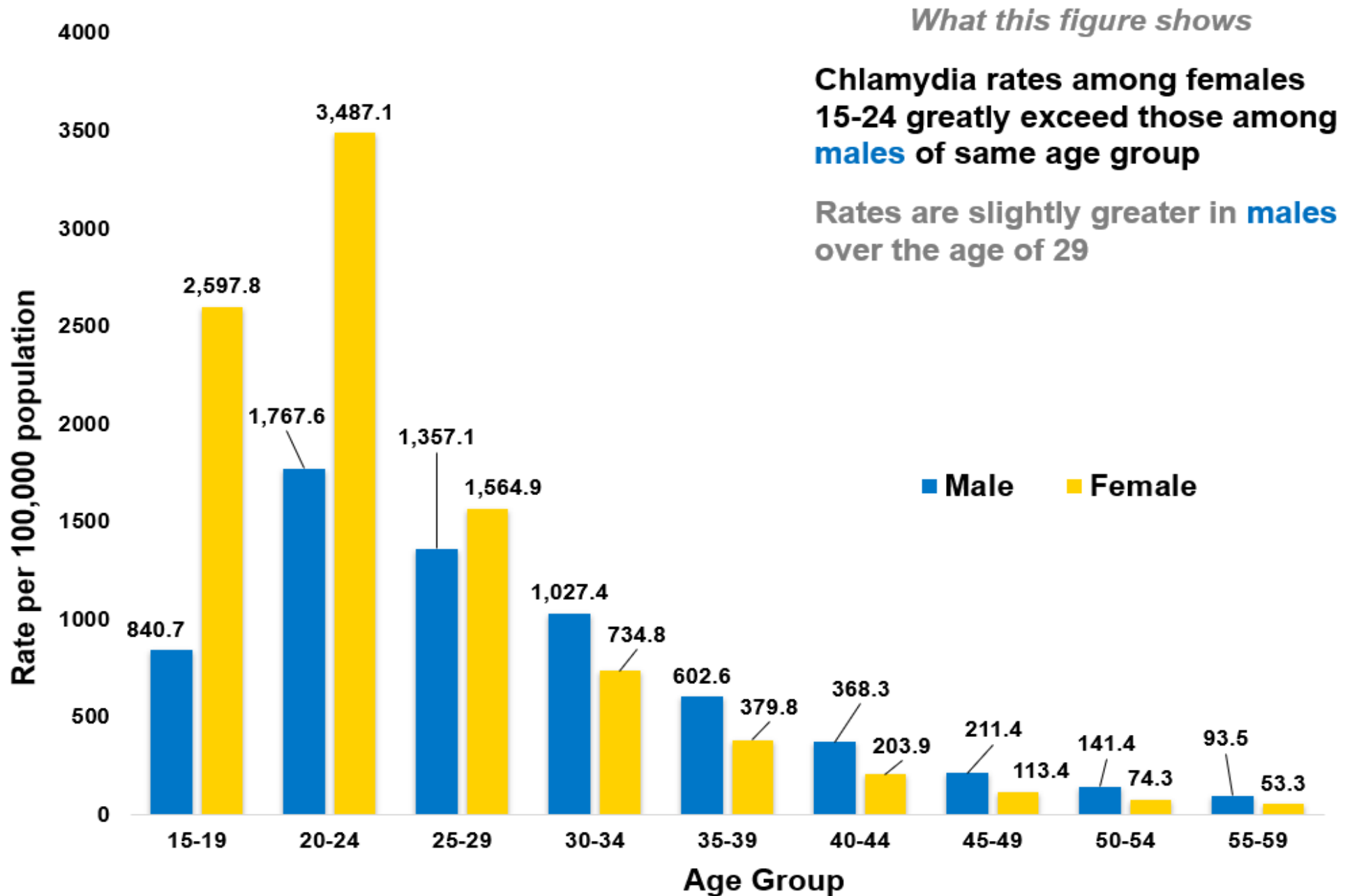


Table 14. Chlamydia by Region/County and Sex, New York State, 2021

| Region/County | Male | | Female | | Total | |
|-----------------------------|-----------|---------|-----------|---------|-----------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 42,351 | 450.2 | 59,279 | 643.6 | 101,730 | 546.0 |
| New York City (NYC) | 28,860 | 706.7 | 33,051 | 833.8 | 62,011 | 770.8 |
| Bronx | 5,632 | 806.7 | 9,352 | 1,312.0 | 15,020 | 1,055.0 |
| Kings | 8,796 | 691.4 | 10,224 | 825.8 | 19,038 | 757.5 |
| New York | 8,316 | 1,007.5 | 5,414 | 687.5 | 13,751 | 853.0 |
| Queens | 5,587 | 523.1 | 7,093 | 703.9 | 12,704 | 613.4 |
| Richmond | 529 | 234.5 | 968 | 441.1 | 1,498 | 336.2 |
| NYS excl. NYC | 13,491 | 250.4 | 26,228 | 504.1 | 39,719 | 374.2 |
| Buffalo Region | 2,137 | 295.1 | 4,142 | 599.2 | 6,279 | 444.3 |
| Allegany | 29 | 114.5 | 55 | 222.8 | 84 | 164.4 |
| Cattaraugus | 44 | 129.4 | 144 | 437.1 | 188 | 279.2 |
| Chautauqua | 127 | 223.6 | 306 | 555.2 | 433 | 384.3 |
| Erie | 1,632 | 363.4 | 2,879 | 659.5 | 4,511 | 510.2 |
| Genesee | 56 | 216.2 | 97 | 424.0 | 153 | 313.8 |
| Niagara | 202 | 218.7 | 557 | 636.7 | 759 | 424.2 |
| Orleans | 29 | 154.8 | 55 | 329.9 | 84 | 239.4 |
| Wyoming | 18 | 91.6 | 49 | 337.5 | 67 | 201.1 |
| Capital Region | 1,341 | 182.3 | 2,926 | 421.5 | 4,267 | 298.3 |
| Albany | 492 | 289.2 | 902 | 499.4 | 1,394 | 396.4 |
| Clinton | 48 | 112.7 | 122 | 306.3 | 170 | 205.4 |
| Columbia | 39 | 155.4 | 89 | 413.8 | 128 | 275.6 |
| Delaware | 29 | 147.5 | 51 | 290.0 | 80 | 212.7 |
| Essex | 10 | 63.2 | 42 | 342.7 | 52 | 185.5 |
| Franklin | 17 | 64.3 | 55 | 307.5 | 72 | 156.1 |
| Fulton | 38 | 169.1 | 112 | 546.9 | 150 | 352.0 |
| Greene | 32 | 132.8 | 60 | 386.9 | 92 | 226.6 |
| Hamilton | - | - | 1 | 64.4 | 1 | 31.0 |
| Montgomery | 37 | 169.8 | 96 | 468.8 | 133 | 314.4 |
| Otsego | 40 | 130.9 | 92 | 264.2 | 132 | 201.2 |
| Rensselaer | 147 | 184.0 | 334 | 467.5 | 481 | 316.3 |
| Saratoga | 106 | 102.2 | 283 | 288.5 | 389 | 194.0 |
| Schenectady | 237 | 322.0 | 502 | 700.3 | 739 | 508.0 |
| Schoharie | 14 | 108.2 | 35 | 260.3 | 49 | 183.8 |
| Warren | 34 | 127.1 | 81 | 335.8 | 115 | 227.5 |
| Washington | 21 | 71.6 | 69 | 321.8 | 90 | 178.2 |

| Region/County | Male | | Female | | Total | |
|-------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 2,091 | 234.4 | 4,221 | 490.7 | 6,312 | 358.9 |
| Broome | 258 | 256.5 | 491 | 462.0 | 749 | 355.0 |
| Cayuga | 68 | 197.5 | 137 | 460.4 | 205 | 318.9 |
| Chenango | 28 | 149.4 | 83 | 472.9 | 111 | 303.9 |
| Cortland | 48 | 165.7 | 102 | 336.3 | 150 | 254.4 |
| Herkimer | 35 | 135.5 | 95 | 386.2 | 130 | 258.0 |
| Jefferson | 271 | 320.7 | 443 | 810.0 | 714 | 524.3 |
| Lewis | 11 | 97.4 | 20 | 195.0 | 31 | 144.8 |
| Madison | 33 | 98.0 | 85 | 245.0 | 118 | 172.6 |
| Oneida | 254 | 228.6 | 571 | 565.0 | 825 | 388.0 |
| Onondaga | 771 | 343.7 | 1,512 | 651.6 | 2,283 | 499.9 |
| Oswego | 71 | 125.7 | 227 | 423.5 | 298 | 270.8 |
| St Lawrence | 88 | 139.7 | 182 | 333.1 | 270 | 229.2 |
| Tioga | 24 | 125.2 | 67 | 364.6 | 91 | 240.6 |
| Tompkins | 131 | 177.1 | 206 | 242.5 | 337 | 208.7 |
| Rochester Region | 2,051 | 345.1 | 3,809 | 650.2 | 5,860 | 495.8 |
| Chemung | 107 | 279.6 | 217 | 629.6 | 324 | 448.3 |
| Livingston | 25 | 66.8 | 74 | 200.1 | 99 | 133.1 |
| Monroe | 1,668 | 461.4 | 2,924 | 804.9 | 4,592 | 631.8 |
| Ontario | 74 | 147.4 | 201 | 413.9 | 275 | 278.8 |
| Schuyler | 8 | 113.2 | 29 | 454.3 | 37 | 277.8 |
| Seneca | 17 | 103.7 | 47 | 363.6 | 64 | 214.9 |
| Steuben | 55 | 143.8 | 101 | 274.2 | 156 | 206.8 |
| Wayne | 83 | 218.8 | 195 | 553.0 | 278 | 383.2 |
| Yates | 14 | 135.0 | 21 | 177.2 | 35 | 158.0 |
| Hudson Valley | 2,704 | 243.4 | 4,892 | 453.8 | 7,596 | 345.8 |
| Dutchess | 320 | 220.2 | 564 | 399.1 | 884 | 308.1 |
| Orange | 499 | 242.5 | 935 | 500.7 | 1,434 | 361.3 |
| Putnam | 53 | 116.2 | 121 | 300.6 | 174 | 204.0 |
| Rockland | 348 | 225.7 | 655 | 425.1 | 1,003 | 323.1 |
| Sullivan | 50 | 139.3 | 147 | 462.4 | 197 | 292.4 |
| Ulster | 135 | 163.9 | 249 | 316.4 | 384 | 239.6 |
| Westchester | 1,299 | 295.1 | 2,221 | 500.5 | 3,520 | 397.3 |
| Long Island | 3,167 | 237.9 | 6,238 | 484.6 | 9,405 | 358.6 |
| Nassau | 1,585 | 254.5 | 2,911 | 480.2 | 4,496 | 365.1 |
| Suffolk | 1,582 | 223.4 | 3,327 | 488.4 | 4,909 | 352.8 |

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

Table 15. Chlamydia by Sex and Age, New York State, 2021

| Age(yrs) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|---------------|----------------------|---------|---------------------|---------|---------------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Male | | | | | | |
| 10-14 | 72 | 12.0 | 39 | 15.9 | 33 | 9.4 |
| 15-19 | 5,177 | 840.7 | 2,944 | 1,266.4 | 2,233 | 582.6 |
| 20-24 | 11,012 | 1,767.6 | 6,385 | 2,680.0 | 4,627 | 1,202.7 |
| 25-29 | 9,278 | 1,357.1 | 6,492 | 1,994.0 | 2,786 | 778.1 |
| 30-34 | 7,362 | 1,027.3 | 5,637 | 1,571.7 | 1,725 | 481.9 |
| 35-39 | 3,989 | 602.6 | 3,156 | 1,024.2 | 833 | 235.5 |
| 40-44 | 2,241 | 368.3 | 1,778 | 664.9 | 463 | 135.8 |
| 45-49 | 1,212 | 211.4 | 915 | 372.4 | 297 | 90.7 |
| 50-54 | 901 | 141.4 | 700 | 272.2 | 201 | 52.9 |
| 55-59 | 623 | 93.5 | 469 | 181.9 | 154 | 37.7 |
| 60-64 | 317 | 49.6 | 231 | 96.6 | 86 | 21.5 |
| 65-69 | 108 | 20.4 | 75 | 37.8 | 33 | 10.0 |
| 70+ | 47 | 4.7 | 32 | 8.4 | 15 | 2.4 |
| Female | | | | | | |
| 10-14 | 505 | 89.2 | 286 | 122.9 | 219 | 65.6 |
| 15-19 | 15,395 | 2,597.8 | 8,144 | 3,578.9 | 7,251 | 1,986.2 |
| 20-24 | 21,708 | 3,487.1 | 11,375 | 4,463.0 | 10,333 | 2,810.6 |
| 25-29 | 10,848 | 1,564.9 | 6,478 | 1,835.2 | 4,370 | 1,284.5 |
| 30-34 | 5,231 | 734.7 | 3,164 | 864.1 | 2,067 | 597.7 |
| 35-39 | 2,508 | 379.8 | 1,533 | 488.2 | 975 | 281.6 |
| 40-44 | 1,259 | 203.9 | 771 | 273.9 | 488 | 145.3 |
| 45-49 | 671 | 113.4 | 445 | 168.1 | 226 | 69.1 |
| 50-54 | 489 | 74.3 | 346 | 125.6 | 143 | 37.4 |
| 55-59 | 374 | 53.3 | 280 | 99.7 | 94 | 22.4 |
| 60-64 | 181 | 26.5 | 144 | 53.5 | 37 | 9.0 |
| 65-69 | 63 | 10.8 | 52 | 22.0 | 11 | 3.1 |
| 70+ | 27 | 2.0 | 21 | 3.7 | 6 | 0.7 |

| Age(yrs) | New York State (NYS) | | New York City (NYC) | | NYS excl. NYC | |
|--------------|----------------------|---------|---------------------|---------|---------------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Total | | | | | | |
| 10-14 | 577 | 49.6 | 325 | 68.0 | 252 | 36.7 |
| 15-19 | 20,574 | 1,702.6 | 11,090 | 2,410.7 | 9,484 | 1,267.3 |
| 20-24 | 32,740 | 2,628.7 | 17,780 | 3,605.6 | 14,960 | 1,988.4 |
| 25-29 | 20,151 | 1,463.6 | 12,995 | 1,915.1 | 7,156 | 1,024.8 |
| 30-34 | 12,614 | 883.0 | 8,822 | 1,217.1 | 3,792 | 538.8 |
| 35-39 | 6,517 | 492.9 | 4,709 | 756.9 | 1,808 | 258.3 |
| 40-44 | 3,504 | 285.8 | 2,553 | 465.1 | 951 | 140.5 |
| 45-49 | 1,886 | 161.9 | 1,363 | 267.0 | 523 | 79.9 |
| 50-54 | 1,395 | 107.7 | 1,051 | 197.3 | 344 | 45.1 |
| 55-59 | 997 | 72.9 | 749 | 139.0 | 248 | 29.9 |
| 60-64 | 498 | 37.7 | 375 | 73.8 | 123 | 15.1 |
| 65-69 | 171 | 15.3 | 127 | 29.2 | 44 | 6.5 |
| 70+ | 74 | 3.1 | 53 | 5.6 | 21 | 1.5 |

Rates are per 100,000 residents.

**Table 16. Chlamydia Among Young Females, by Age and Region/County
New York State, 2021**

| Region/County | 15-19 yrs | | 20-24 yrs | | 15-24 yrs | |
|-----------------------------|-----------|---------|-----------|---------|-----------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 15,395 | 2,597.8 | 21,708 | 3,487.1 | 37,103 | 3,053.4 |
| New York City (NYC) | 8,144 | 3,578.9 | 11,375 | 4,463.0 | 19,519 | 4,045.9 |
| Bronx | 2,627 | 5,682.3 | 3,244 | 6,779.8 | 5,871 | 6,240.5 |
| Kings | 2,548 | 3,621.8 | 3,428 | 4,457.3 | 5,976 | 4,058.2 |
| New York | 1,214 | 3,194.1 | 1,960 | 3,674.7 | 3,174 | 3,474.7 |
| Queens | 1,493 | 2,577.6 | 2,389 | 3,822.8 | 3,882 | 3,223.8 |
| Richmond | 262 | 1,741.4 | 354 | 2,477.6 | 616 | 2,100.0 |
| NYS excl. NYC | 7,251 | 1,986.2 | 10,333 | 2,810.6 | 17,584 | 2,399.9 |
| Buffalo Region | 1,312 | 2,766.9 | 1,527 | 3,231.0 | 2,839 | 2,998.6 |
| Allegany | 20 | 1,013.2 | 24 | 1,269.8 | 44 | 1,138.7 |
| Cattaraugus | 50 | 1,950.8 | 57 | 2,552.6 | 107 | 2,231.0 |
| Chautauqua | 119 | 2,775.2 | 99 | 2,657.0 | 218 | 2,720.2 |
| Erie | 870 | 3,039.0 | 1,091 | 3,626.3 | 1,961 | 3,339.9 |
| Genesee | 20 | 1,171.6 | 41 | 2,814.0 | 61 | 1,927.9 |
| Niagara | 198 | 3,256.6 | 185 | 3,190.2 | 383 | 3,224.2 |
| Orleans | 18 | 1,587.3 | 14 | 1,221.6 | 32 | 1,403.5 |
| Wyoming | 17 | 1,629.9 | 16 | 1,731.6 | 33 | 1,677.7 |
| Capital Region | 831 | 1,801.8 | 1,209 | 2,336.8 | 2,040 | 2,084.6 |
| Albany | 250 | 2,174.3 | 371 | 2,251.2 | 621 | 2,219.6 |
| Clinton | 19 | 715.1 | 60 | 1,707.0 | 79 | 1,280.0 |
| Columbia | 21 | 1,508.6 | 38 | 2,769.7 | 59 | 2,134.6 |
| Delaware | 24 | 1,788.4 | 16 | 1,387.7 | 40 | 1,603.2 |
| Essex | 7 | 831.4 | 19 | 2,474.0 | 26 | 1,614.9 |
| Franklin | 11 | 846.8 | 26 | 2,227.9 | 37 | 1,500.4 |
| Fulton | 38 | 2,631.6 | 43 | 3,187.5 | 81 | 2,900.1 |
| Greene | 20 | 2,072.5 | 27 | 2,537.6 | 47 | 2,316.4 |
| Hamilton | 1 | 892.9 | - | 0.0 | 1 | 490.2 |
| Montgomery | 29 | 2,026.6 | 35 | 2,613.9 | 64 | 2,310.5 |
| Otsego | 30 | 1,113.2 | 40 | 1,198.7 | 70 | 1,160.5 |
| Rensselaer | 101 | 2,133.1 | 123 | 2,552.9 | 224 | 2,344.8 |
| Saratoga | 65 | 951.4 | 145 | 2,224.3 | 210 | 1,572.9 |
| Schenectady | 161 | 3,360.5 | 185 | 3,770.9 | 346 | 3,568.1 |
| Schoharie | 17 | 1,631.5 | 10 | 1,103.8 | 27 | 1,386.0 |
| Warren | 22 | 1,380.2 | 38 | 2,372.0 | 60 | 1,877.3 |
| Washington | 15 | 1,034.5 | 33 | 2,442.6 | 48 | 1,713.7 |

| Region/County | 15-19 yrs | | 20-24 yrs | | 15-24 yrs | |
|-------------------------|-----------|---------|-----------|---------|-----------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 1,270 | 2,077.4 | 1,721 | 2,628.7 | 2,991 | 2,362.5 |
| Broome | 154 | 2,157.2 | 207 | 2,165.5 | 361 | 2,161.9 |
| Cayuga | 29 | 1,395.6 | 49 | 2,415.0 | 78 | 1,899.2 |
| Chenango | 29 | 2,361.6 | 31 | 2,700.3 | 60 | 2,525.3 |
| Cortland | 40 | 1,730.9 | 40 | 1,396.6 | 80 | 1,545.9 |
| Herkimer | 31 | 1,635.0 | 39 | 2,446.7 | 70 | 2,005.7 |
| Jefferson | 112 | 3,628.1 | 219 | 5,354.5 | 331 | 4,612.0 |
| Lewis | 8 | 1,048.5 | 9 | 1,310.0 | 17 | 1,172.4 |
| Madison | 32 | 1,113.8 | 33 | 1,273.1 | 65 | 1,189.4 |
| Oneida | 181 | 2,471.3 | 223 | 3,265.0 | 404 | 2,854.3 |
| Onondaga | 485 | 2,943.7 | 550 | 3,384.8 | 1,035 | 3,162.7 |
| Oswego | 61 | 1,477.4 | 83 | 2,248.1 | 144 | 1,841.2 |
| St Lawrence | 45 | 1,006.7 | 91 | 2,192.8 | 136 | 1,577.7 |
| Tioga | 20 | 1,455.6 | 31 | 2,605.0 | 51 | 1,989.1 |
| Tompkins | 43 | 718.5 | 116 | 1,318.8 | 159 | 1,075.7 |
| Rochester Region | 1,047 | 2,587.0 | 1,438 | 3,527.4 | 2,485 | 3,058.9 |
| Chemung | 67 | 2,723.6 | 70 | 3,006.9 | 137 | 2,861.3 |
| Livingston | 20 | 759.6 | 41 | 1,284.1 | 61 | 1,047.0 |
| Monroe | 798 | 3,257.3 | 1,080 | 4,331.6 | 1,878 | 3,799.2 |
| Ontario | 45 | 1,295.0 | 95 | 2,785.1 | 140 | 2,033.1 |
| Schuyler | 11 | 2,625.3 | 6 | 1,470.6 | 17 | 2,055.6 |
| Seneca | 13 | 1,465.6 | 17 | 2,038.4 | 30 | 1,743.2 |
| Steuben | 24 | 919.9 | 45 | 1,869.5 | 69 | 1,375.6 |
| Wayne | 58 | 2,281.7 | 79 | 3,469.5 | 137 | 2,842.9 |
| Yates | 11 | 1,160.3 | 5 | 512.3 | 16 | 831.6 |
| Hudson Valley | 1,236 | 1,537.0 | 1,912 | 2,585.2 | 3,148 | 2,039.1 |
| Dutchess | 148 | 1,445.9 | 239 | 2,292.8 | 387 | 1,873.2 |
| Orange | 256 | 1,772.6 | 349 | 2,729.8 | 605 | 2,222.1 |
| Putnam | 19 | 655.6 | 57 | 2,108.8 | 76 | 1,356.9 |
| Rockland | 155 | 1,258.0 | 272 | 2,553.0 | 427 | 1,858.5 |
| Sullivan | 44 | 1,961.7 | 57 | 2,727.3 | 101 | 2,330.9 |
| Ulster | 73 | 1,315.1 | 91 | 1,694.3 | 164 | 1,501.6 |
| Westchester | 541 | 1,653.0 | 847 | 2,829.7 | 1,388 | 2,215.1 |
| Long Island | 1,555 | 1,737.3 | 2,526 | 2,856.0 | 4,081 | 2,293.3 |
| Nassau | 709 | 1,667.4 | 1,169 | 2,856.2 | 1,878 | 2,250.4 |
| Suffolk | 846 | 1,800.6 | 1,357 | 2,855.9 | 2,203 | 2,331.2 |

Rates are per 100,000 residents.

Table 17. Chlamydia by Region/County and Year, New York State, 2019 - 2021

| Region/County | 2019 | | 2020 | | 2021 | |
|-----------------------------|-----------|---------|-----------|-------|-----------|---------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| New York State (NYS) | 124,389 | 668.3 | 97,199 | 506.3 | 101,730 | 546.0 |
| New York City (NYC) | 76,206 | 942.2 | 56,167 | 660.7 | 62,011 | 770.8 |
| Bronx | 18,369 | 1,269.2 | 14,265 | 952.8 | 15,020 | 1,055.0 |
| Kings | 23,171 | 939.1 | 17,129 | 652.5 | 19,038 | 757.5 |
| New York | 17,889 | 1,037.4 | 12,315 | 694.5 | 13,751 | 853.0 |
| Queens | 14,859 | 725.7 | 11,022 | 507.9 | 12,704 | 613.4 |
| Richmond | 1,918 | 443.2 | 1,436 | 319.5 | 1,498 | 336.2 |
| NYS excl. NYC | 48,183 | 457.8 | 41,032 | 383.8 | 39,719 | 374.2 |
| Buffalo Region | 7,744 | 552.5 | 6,769 | 474.1 | 6,279 | 444.3 |
| Allegany | 136 | 261.1 | 111 | 219.4 | 84 | 164.4 |
| Cattaraugus | 225 | 334.5 | 168 | 249.3 | 188 | 279.2 |
| Chautauqua | 621 | 534.3 | 505 | 440.0 | 433 | 384.3 |
| Erie | 5,463 | 631.7 | 4,938 | 555.1 | 4,511 | 510.2 |
| Genesee | 149 | 296.8 | 127 | 255.6 | 153 | 313.8 |
| Niagara | 933 | 519.5 | 750 | 412.9 | 759 | 424.2 |
| Orleans | 151 | 412.8 | 106 | 294.4 | 84 | 239.4 |
| Wyoming | 66 | 189.1 | 64 | 188.6 | 67 | 201.1 |
| Capital Region | 5,839 | 408.0 | 4,923 | 342.9 | 4,267 | 298.3 |
| Albany | 2,006 | 578.5 | 1,565 | 445.1 | 1,394 | 396.4 |
| Clinton | 269 | 316.6 | 203 | 241.7 | 170 | 205.4 |
| Columbia | 162 | 353.7 | 147 | 320.0 | 128 | 275.6 |
| Delaware | 96 | 257.4 | 61 | 161.8 | 80 | 212.7 |
| Essex | 61 | 217.2 | 48 | 166.4 | 52 | 185.5 |
| Franklin | 106 | 223.1 | 72 | 153.7 | 72 | 156.1 |
| Fulton | 166 | 380.0 | 146 | 338.8 | 150 | 352.0 |
| Greene | 136 | 338.6 | 100 | 249.7 | 92 | 226.6 |
| Hamilton | 3 | 105.3 | 1 | 30.2 | 1 | 31.0 |
| Montgomery | 149 | 352.9 | 169 | 398.7 | 133 | 314.4 |
| Otsego | 271 | 386.6 | 132 | 181.3 | 132 | 201.2 |
| Rensselaer | 735 | 473.0 | 709 | 460.6 | 481 | 316.3 |
| Saratoga | 491 | 248.1 | 444 | 220.7 | 389 | 194.0 |
| Schenectady | 861 | 598.6 | 845 | 581.1 | 739 | 508.0 |
| Schoharie | 76 | 262.6 | 52 | 196.2 | 49 | 183.8 |
| Warren | 136 | 266.5 | 107 | 210.6 | 115 | 227.5 |
| Washington | 115 | 221.8 | 122 | 239.8 | 90 | 178.2 |

| Region/County | 2019 | | 2020 | | 2021 | |
|-------------------------|-----------|-------|-----------|-------|-----------|-------|
| | Diagnoses | Rate | Diagnoses | Rate | Diagnoses | Rate |
| Central Region | 7,576 | 432.0 | 6,585 | 370.8 | 6,312 | 358.9 |
| Broome | 704 | 350.9 | 735 | 343.9 | 749 | 355.0 |
| Cayuga | 263 | 404.4 | 229 | 353.5 | 205 | 318.9 |
| Chenango | 102 | 266.2 | 78 | 207.0 | 111 | 303.9 |
| Cortland | 231 | 368.9 | 180 | 302.4 | 150 | 254.4 |
| Herkimer | 159 | 303.9 | 157 | 310.0 | 130 | 258.0 |
| Jefferson | 776 | 582.0 | 711 | 508.7 | 714 | 524.3 |
| Lewis | 50 | 227.5 | 52 | 238.2 | 31 | 144.8 |
| Madison | 212 | 289.3 | 144 | 202.3 | 118 | 172.6 |
| Oneida | 849 | 402.3 | 696 | 326.3 | 825 | 388.0 |
| Onondaga | 2,950 | 657.3 | 2,621 | 568.9 | 2,283 | 499.9 |
| Oswego | 338 | 294.6 | 257 | 228.3 | 298 | 270.8 |
| St Lawrence | 307 | 263.1 | 239 | 210.4 | 270 | 229.2 |
| Tioga | 123 | 315.4 | 95 | 241.9 | 91 | 240.6 |
| Tompkins | 512 | 321.0 | 391 | 265.1 | 337 | 208.7 |
| Rochester Region | 7,365 | 620.0 | 6,690 | 561.0 | 5,860 | 495.8 |
| Chemung | 381 | 531.3 | 339 | 467.2 | 324 | 448.3 |
| Livingston | 163 | 229.2 | 134 | 180.9 | 99 | 133.1 |
| Monroe | 5,758 | 794.6 | 5,357 | 730.2 | 4,592 | 631.8 |
| Ontario | 311 | 320.9 | 250 | 259.3 | 275 | 278.8 |
| Schuyler | 33 | 240.3 | 30 | 228.2 | 37 | 277.8 |
| Seneca | 80 | 260.6 | 60 | 193.2 | 64 | 214.9 |
| Steuben | 298 | 379.5 | 192 | 251.7 | 156 | 206.8 |
| Wayne | 306 | 419.9 | 294 | 402.2 | 278 | 383.2 |
| Yates | 35 | 154.2 | 34 | 140.0 | 35 | 158.0 |
| Hudson Valley | 9,427 | 436.4 | 7,095 | 321.4 | 7,596 | 345.8 |
| Dutchess | 1,158 | 400.0 | 891 | 310.3 | 884 | 308.1 |
| Orange | 1,738 | 449.0 | 1,430 | 359.5 | 1,434 | 361.3 |
| Putnam | 212 | 242.5 | 138 | 164.8 | 174 | 204.0 |
| Rockland | 1,182 | 384.3 | 935 | 300.8 | 1,003 | 323.1 |
| Sullivan | 280 | 435.1 | 213 | 317.7 | 197 | 292.4 |
| Ulster | 603 | 379.8 | 471 | 293.7 | 384 | 239.6 |
| Westchester | 4,254 | 490.3 | 3,017 | 336.4 | 3,520 | 397.3 |
| Long Island | 10,232 | 397.7 | 8,970 | 340.7 | 9,405 | 358.6 |
| Nassau | 4,928 | 406.3 | 4,173 | 337.5 | 4,496 | 365.1 |
| Suffolk | 5,304 | 390.2 | 4,797 | 343.4 | 4,909 | 352.8 |

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

Table 18. Chlamydia by Year and Region, New York State, 2001 - 2021

| 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 | 512.9 | 62,011 | 732.3 | 39,719 | 349.4 |

Rates are per 100,000 residents.

Technical Notes: Data Sources

1. The 2021 STI 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 (NYS DOH) Communicable Disease Electronic Surveillance System (CDESS). STI Surveillance data in this report include diagnoses reported to CDESS in 2021 and closed by September 15, 2022.
2. The 2021 New York City STI morbidity data were obtained from data provided by the New York City Department of Health and Mental Hygiene (NYC DOHMH) Bureau of STI in December 2022. The Maven surveillance system is the source of surveillance information for STI diagnoses reported among residents of the five boroughs of New York City.
3. In the prior years, the annual surveillance report was produced using U.S. population data available from the National Cancer Institute Surveillance, Epidemiology, and End Results Program (SEER). Starting with the 2021 annual surveillance report, census data[§] were used to calculate rates by county, age, race/ethnicity, and sex. Rates are age-adjusted to the U.S. population to enable comparison of rates between areas or demographic groups with differing age structures. Owing to this change in methodology, rates from this report moving forward should not be compared to prior reports released.

§ Census data (<https://www2.census.gov/programs-surveys/pepest/datasets/>), released June 2022.

Technical Notes: STI Statistics

1. Reportable STIs in New York State include syphilis, gonorrhea, chlamydia, chancroid, and lymphogranuloma venereum (LGV). Reporting requirements for granuloma inguinale are limited to residents of the five boroughs of New York City. Statistics for chancroid, granuloma inguinale, and LGV were not included in this report due to the small numbers of reported cases.
2. Individual STI diagnoses were aggregated at the state and county level, by disease, age, sex, and race/ethnicity.
3. The STI rates were calculated by the number of STI 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 the 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. Additionally, this is the first year that multi-race is being presented due to a change in methodology i.e. use of census data versus SEER data.
5. Sex presented in this report is limitedly categorized into male and female only. Future reports will also display STI rates and diagnoses by gender identity at the time of diagnosis.
6. In 2005, CDC 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. NYC DOHMH 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 - 2021.
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).

Technical Notes: References

1. New York State Public Health Law (n.d.). Retrieved from https://www.health.ny.gov/regulations/public_health_law/
2. 2021 Sexually Transmitted Diseases Surveillance, Centers for Disease Control and Prevention (n.d.). Retrieved from [Sexually Transmitted Disease Surveillance, 2021 \(cdc.gov\)](#)
3. Syphilis, New York State Department of Health (n.d.). Retrieved from <https://www.health.ny.gov/publications/3807/>
4. Syphilis Treatment and Care, Centers for Disease Control and Prevention (n.d.). Retrieved from <https://www.cdc.gov/std/syphilis/treatment.htm>
5. Syphilis (Treponema pallidum) 2018 Case Definition, Centers for Disease Control and Prevention (n.d.). Retrieved from <https://ndc.services.cdc.gov/case-definitions/syphilis-2018/>
6. Congenital Syphilis (Treponema pallidum) 2015 Case Definition, Centers for Disease Control and Prevention (n.d.). Retrieved from <https://ndc.services.cdc.gov/case-definitions/congenital-syphilis-2015/>
7. Gonorrhea, New York State Department of Health (n.d.). Retrieved from <https://www.health.ny.gov/publications/3802/>
8. Gonorrhea Treatment and Care, Centers for Disease Control and Prevention (n.d.). Retrieved from <https://www.cdc.gov/std/gonorrhea/treatment.htm>
9. Antibiotic-Resistant Gonorrhea, Centers for Disease Control and Prevention (n.d.). Retrieved from <https://www.cdc.gov/std/gonorrhea/arg/default.htm>
10. Update to CDC's Treatment Guidelines for Gonococcal Infection, 2020. (n.d.). Retrieved from <https://dx.doi.org/10.15585/mmwr.mm6950a6>
11. Gonorrhea (Neisseria gonorrhoeae) 2014 Case Definition, Centers for Disease Control and Prevention (n.d.). Retrieved from <https://ndc.services.cdc.gov/case-definitions/gonorrhea-2014/>
12. Chlamydia, New York State Department of Health (n.d.). Retrieved from <https://www.health.ny.gov/publications/3835/>
13. Chlamydia Treatment and Care, Centers for Disease Control and Prevention (n.d.). Retrieved from <https://www.cdc.gov/std/chlamydia/treatment.htm>
14. Expedited Partner Therapy, New York State Department of Health (n.d.). Retrieved from <https://www.health.ny.gov/diseases/communicable/std/ept/>
15. Chlamydia Trachomatis Infection 2022 Case Definition, Centers for Disease Control and Prevention (n.d.). Retrieved from <https://ndc.services.cdc.gov/case-definitions/chlamydia-trachomatis-infection-2022/>

Technical Notes: Citation and Contact Information

Suggested citation:

Sexually Transmitted Infections Surveillance Report, New York State, 2021.
AIDS Institute, New York State Department of Health

Inquiries regarding this report should be directed to:

New York State Department of Health
Office of Sexual Health and Epidemiology
Surveillance and Special Projects Unit
ESP, Corning Tower, Rm. 542
Albany, NY 12237
(518) 474-3598
stdc@health.ny.gov