

# Epidemiology of Sexually Transmitted Diseases (STD) Connecticut—2019

Connecticut Department of Public Health

Linda Ferraro

STD Program Director

Lynn Sosa, M.D.

Deputy State Epidemiologist



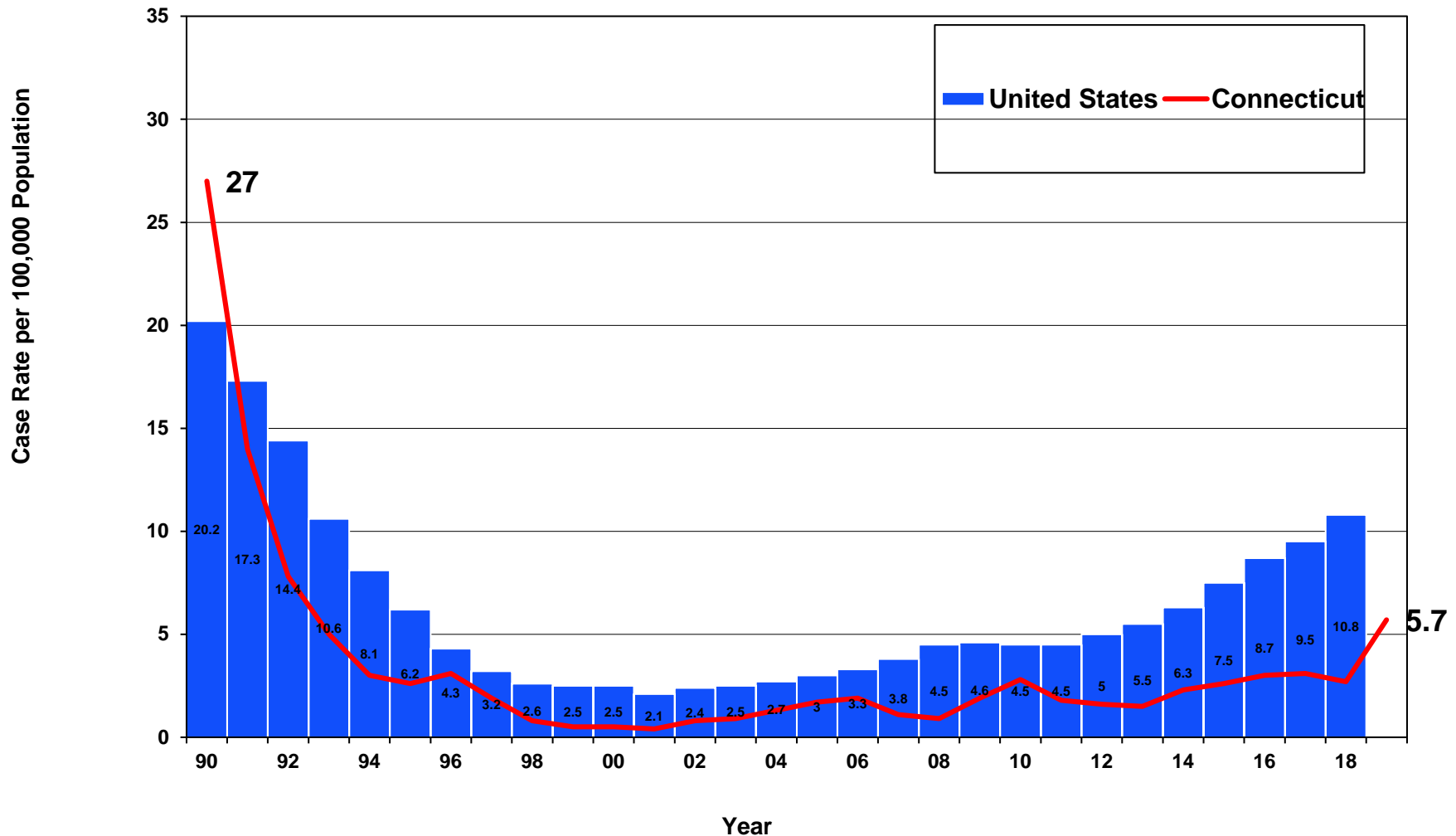
# Today's Goals

- **Review the epidemiology of 2019 STD data and trends**
- **Present options for STD Indicators**

# Syphilis

- a systemic infection that if left untreated can cause a variety of manifestations, is contracted mainly by infection during sexual intercourse, but also congenitally by infection of a developing fetus.
- Can develop into neurologic, ocular (eye) or otic (ear) manifestations (can occur at any stage)
- Can manifest 15-30 years after infection
- 4 stages/case definitions
  - **Primary** – sore or chancre on genitals at the site of infection, could be painless
  - **Secondary** – skin rash (hands/feet/torso) swollen lymph nodes, fever
  - **Early Latent** (non-primary or secondary – no sign/symptoms – diagnosed less than a year after exposure
  - **Late Latent** (unknown duration) – no symptom – more than a year since exposure

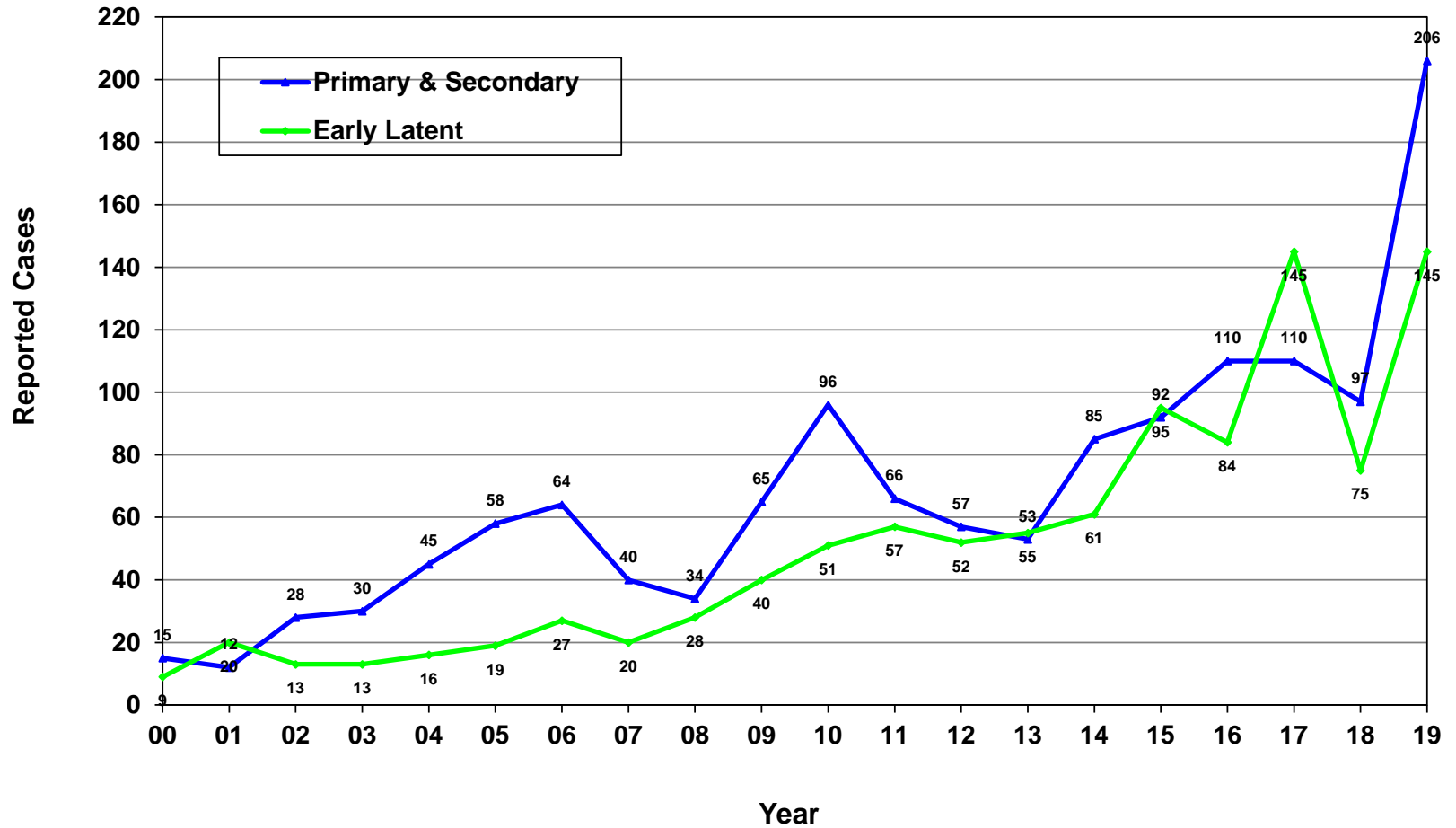
# Primary & Secondary Syphilis Case Rates Connecticut v. USA, 1990–2019



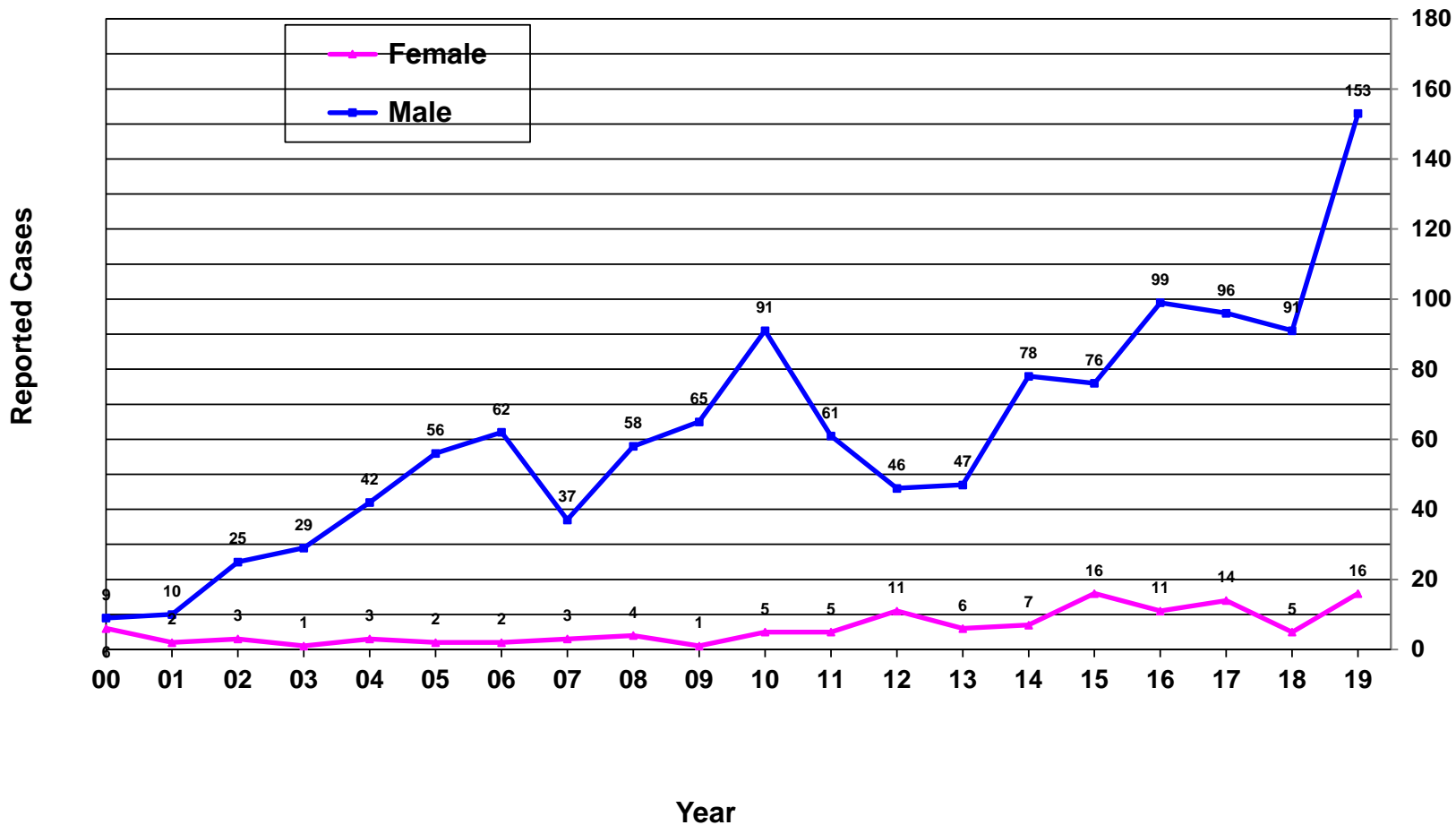
Source: CT STD Control Program and CDC



# Early Syphilis Cases Primary/Secondary & Early Latent 2000–2019

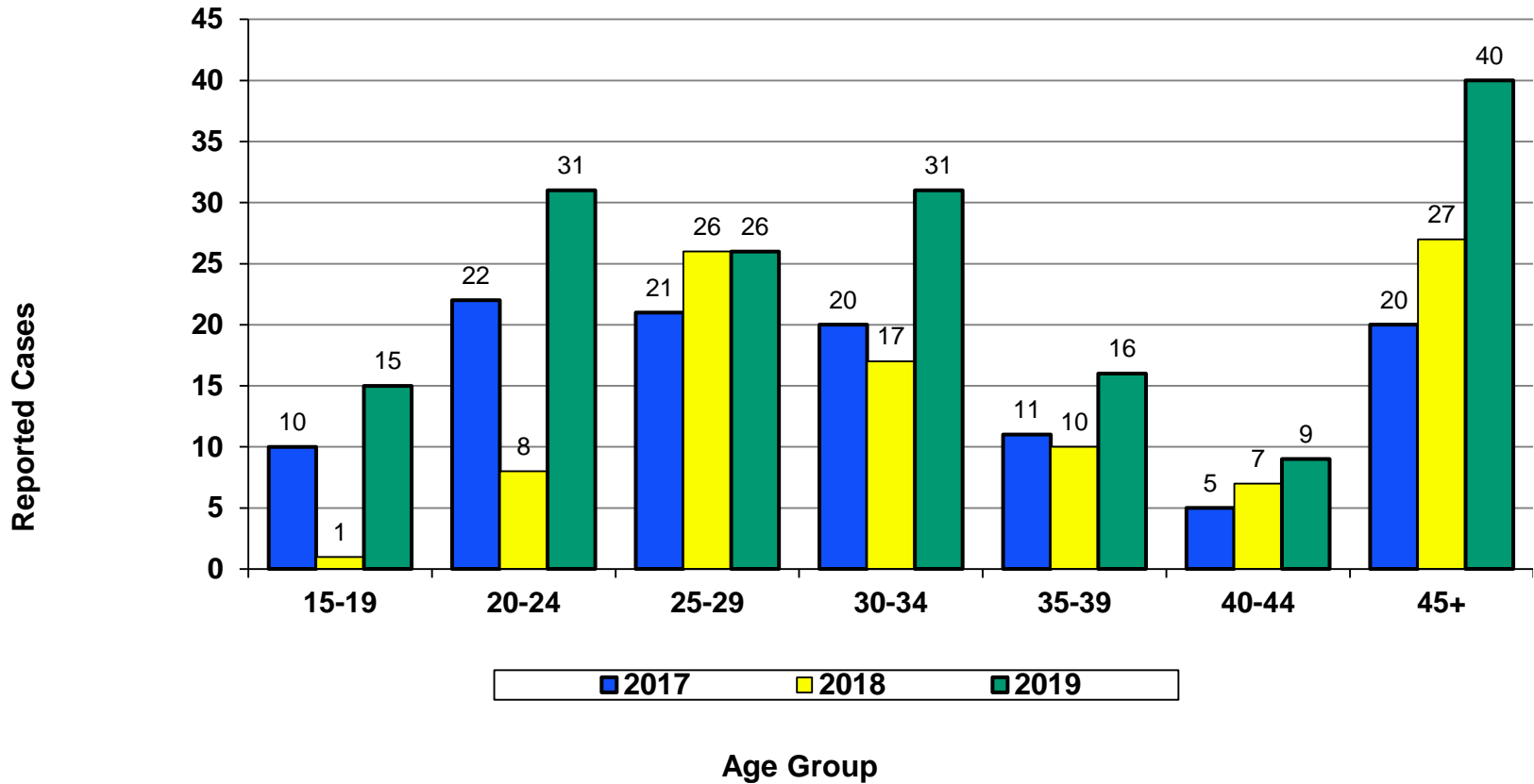


# Primary & Secondary Syphilis Cases By Sex, 2000–2019

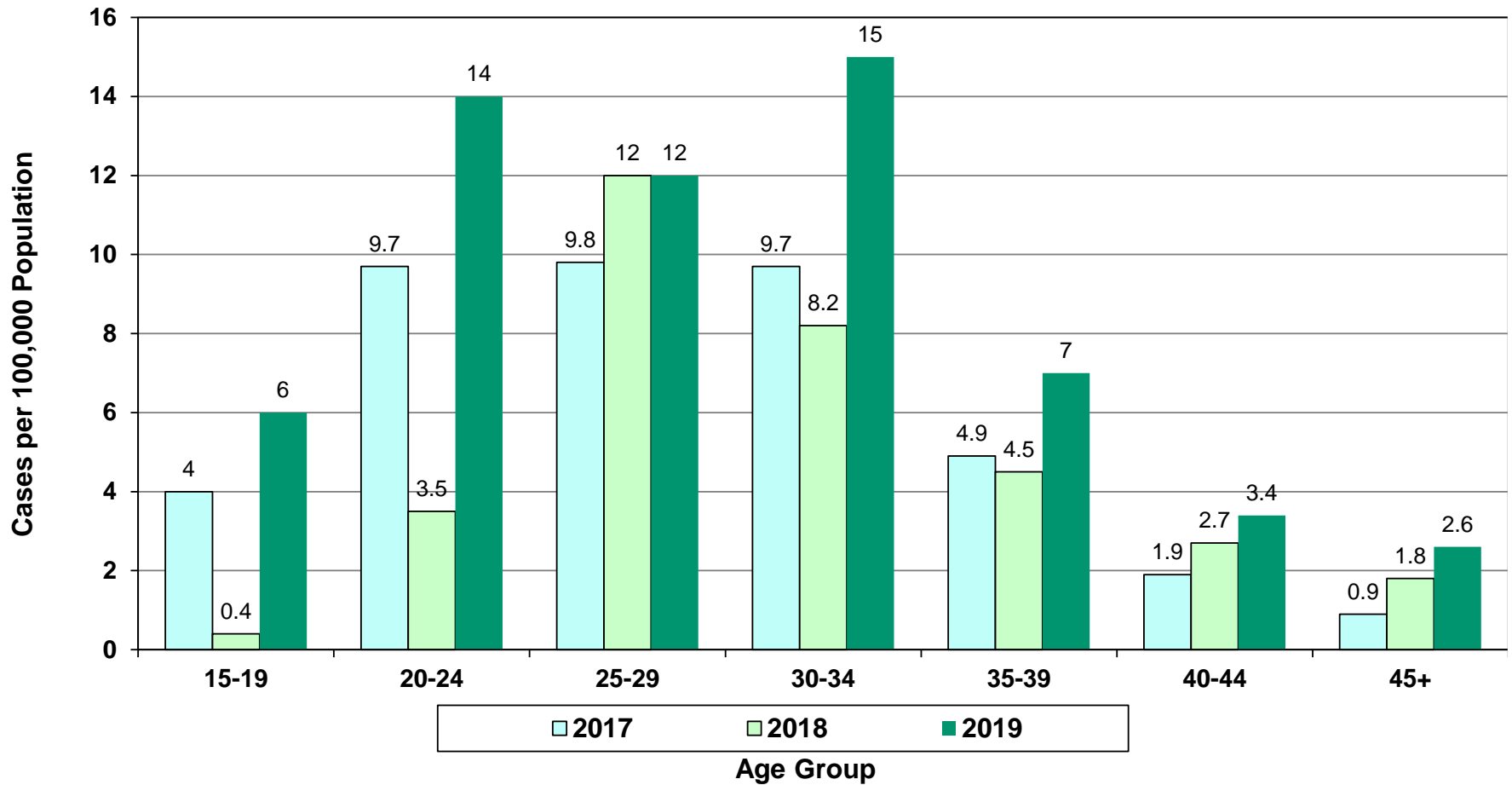


Source: CT STD Control Program

# Primary & Secondary Syphilis Case Counts By Age Groups, 2017–2019

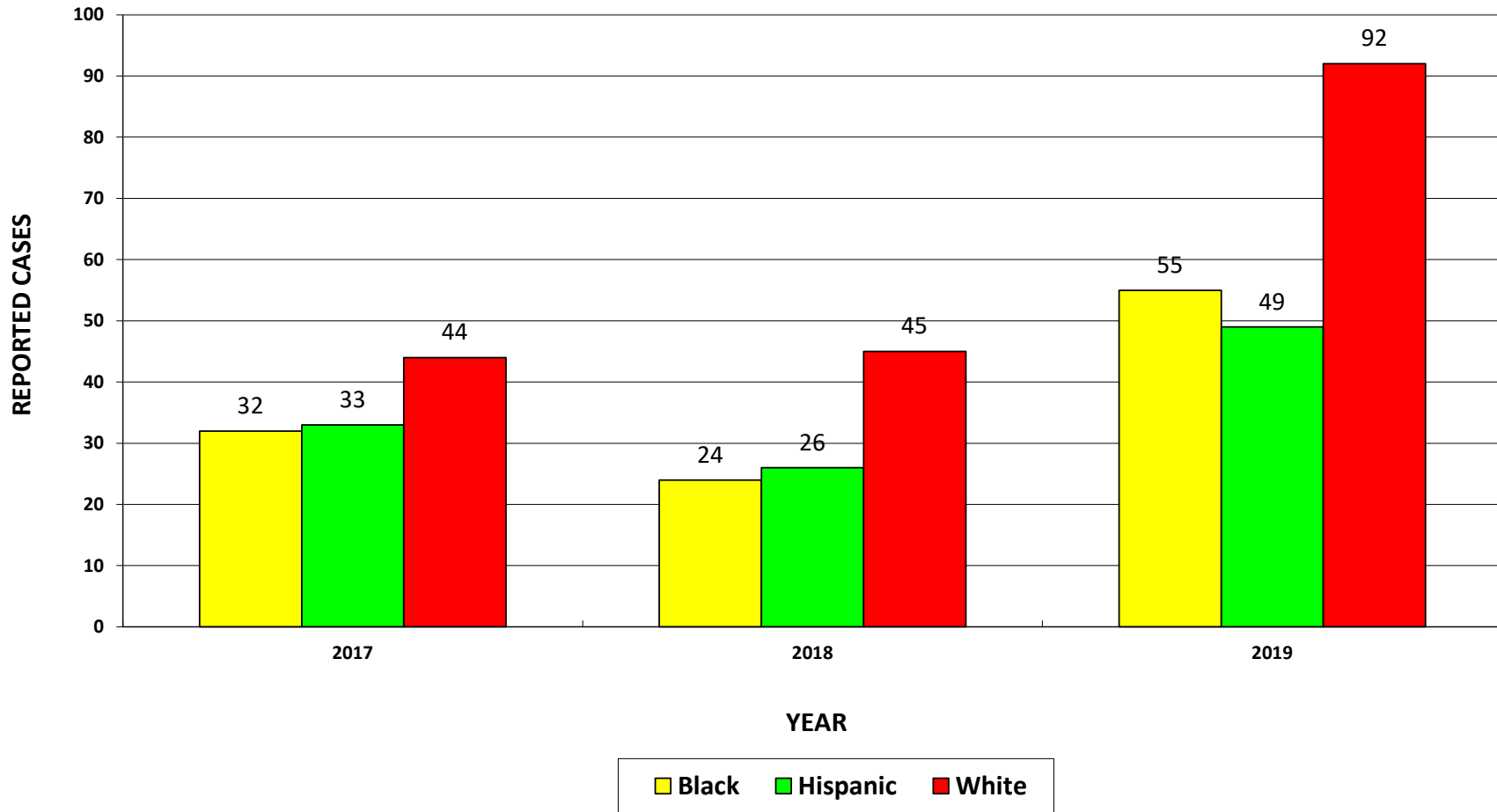


# Primary & Secondary Syphilis Case Rates By Age Groups, 2017–2019



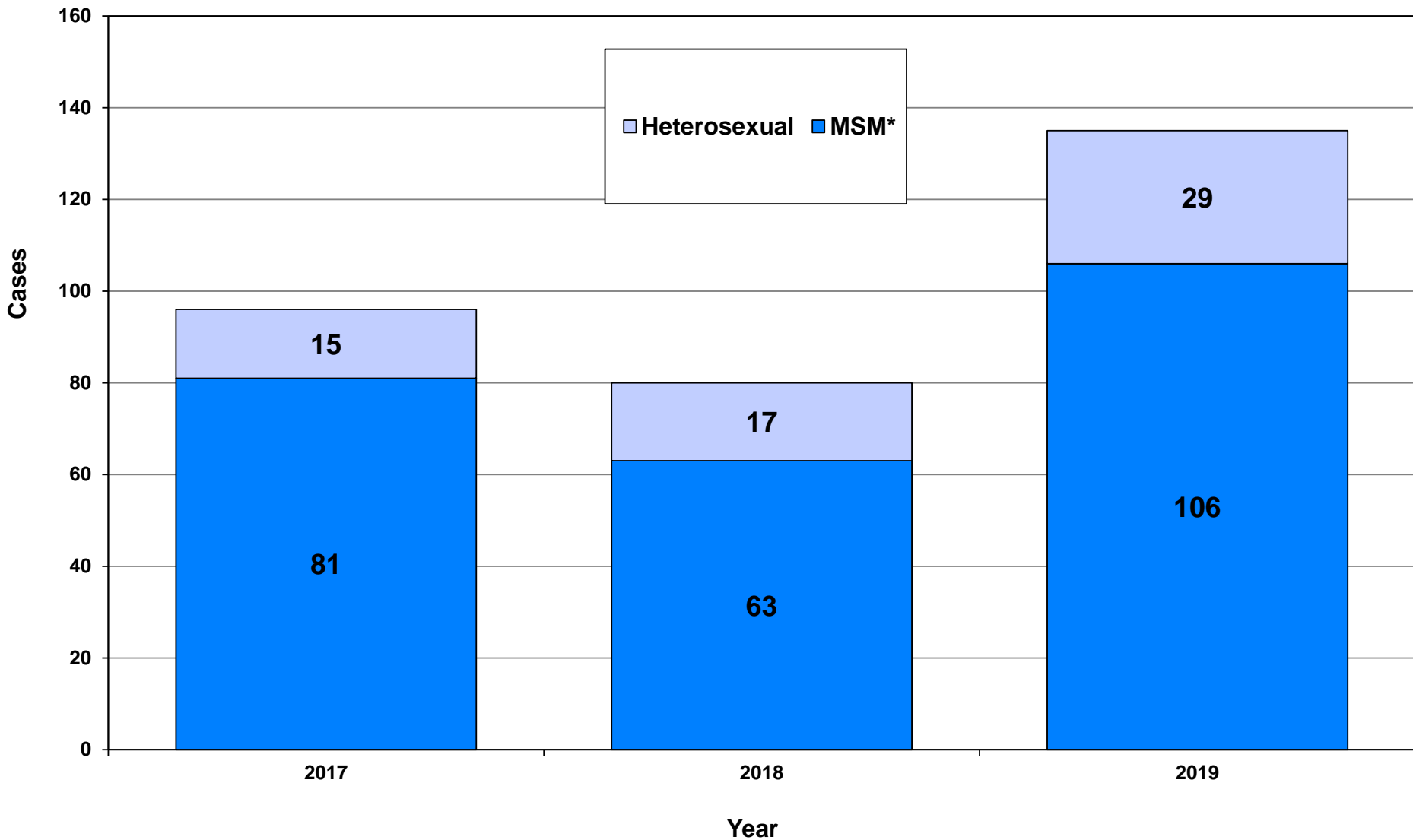


# Primary & Secondary Syphilis Cases By Race/Ethnicity, 2017–2019



Source: CT STD Control Program

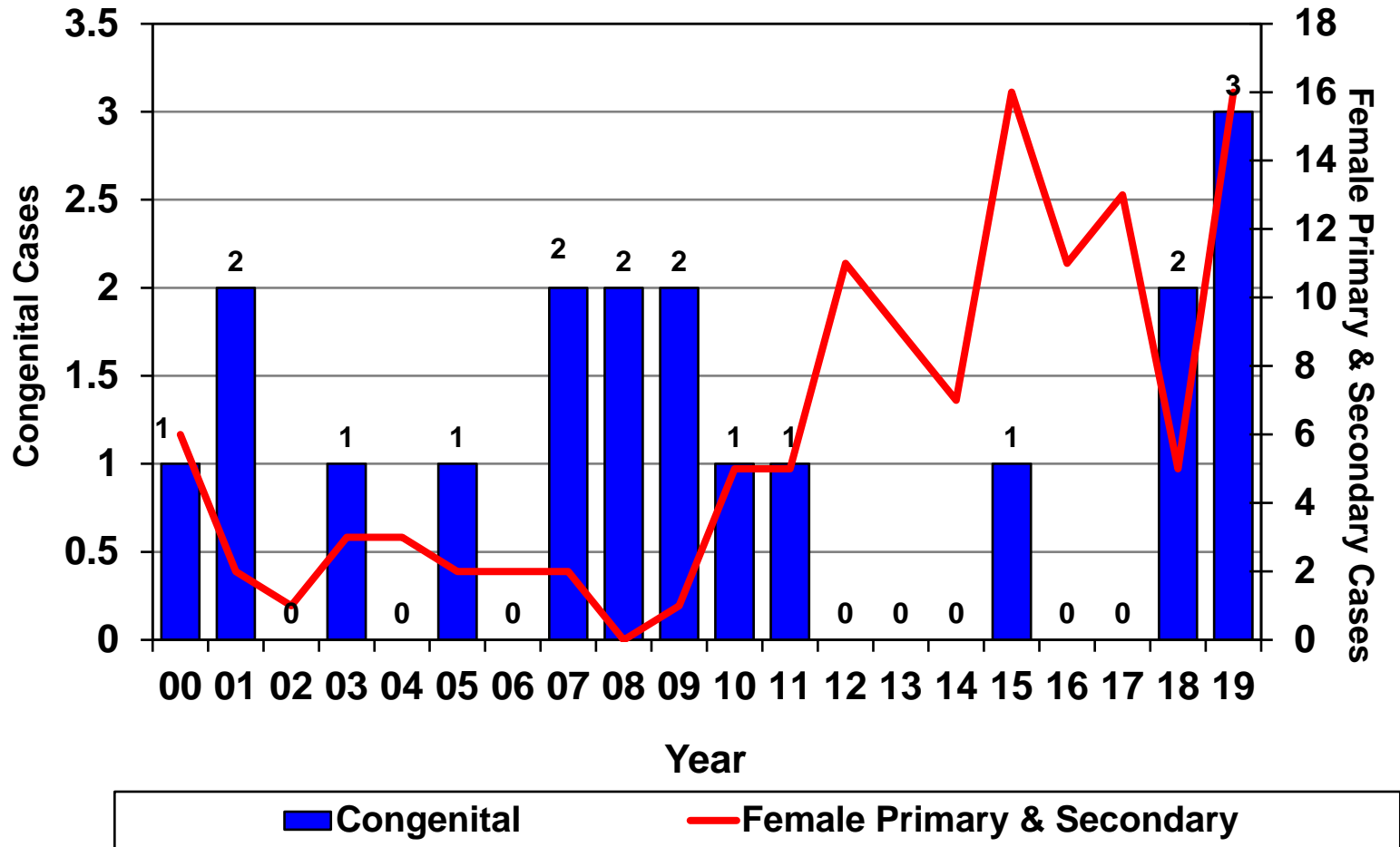
# Males With Primary & Secondary Syphilis By Sexual Orientation, 2017–2019



\*Men who have sex with men

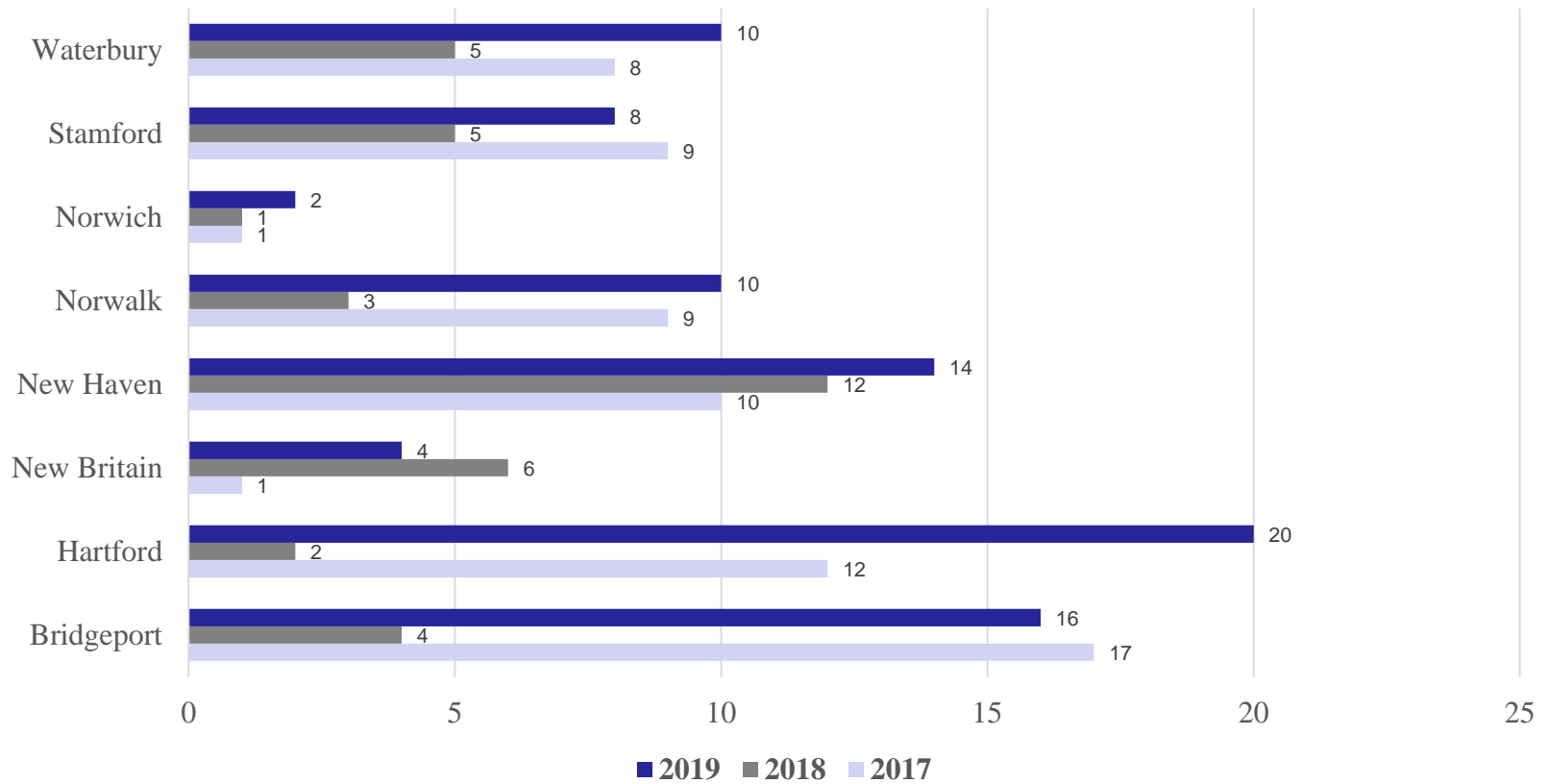
Source: CT STD Control Program

# Female Primary & Secondary Syphilis Cases and Congenital Syphilis, 2000–2019\*\*

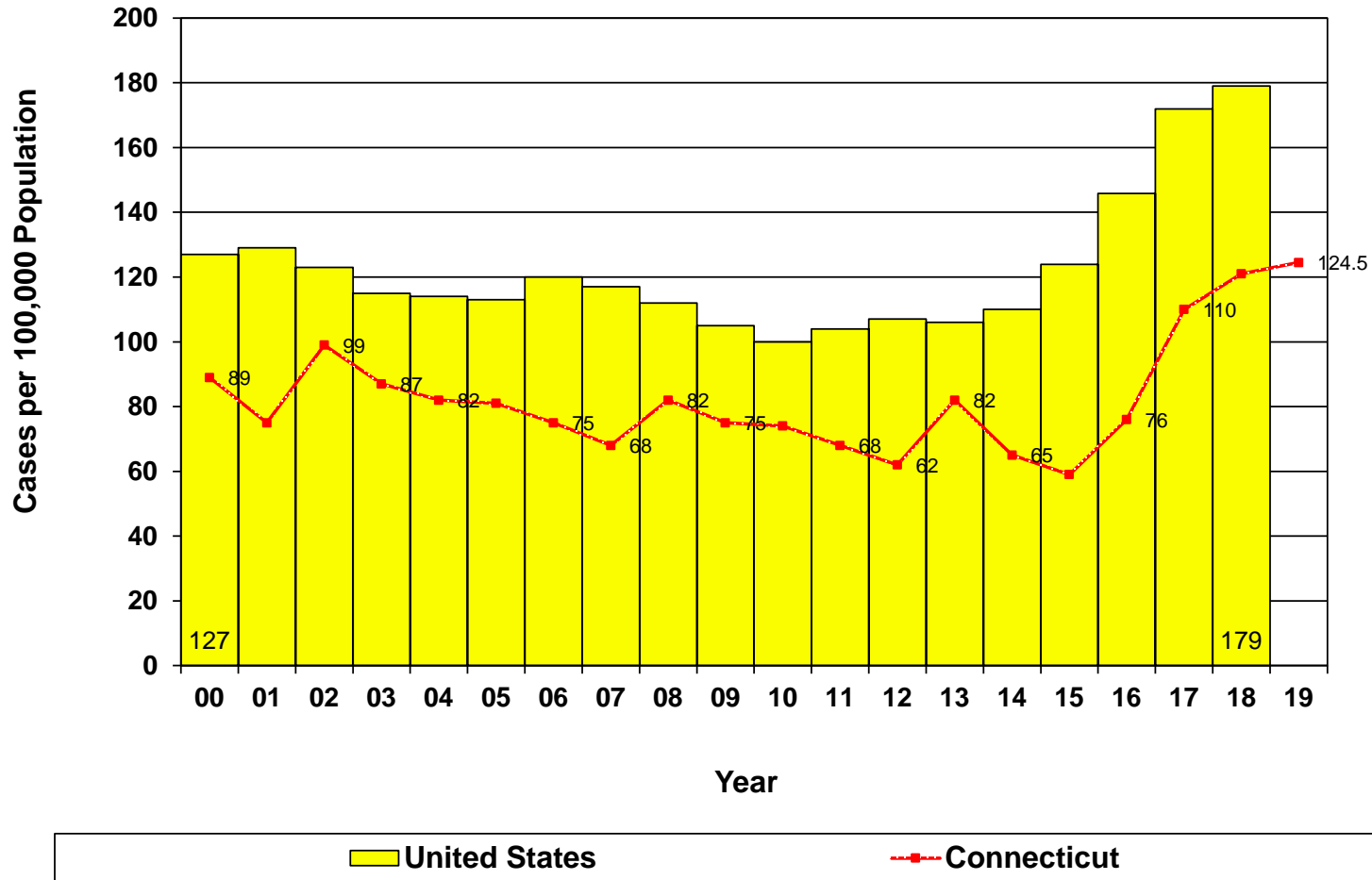


\* Under 1 Year of Age  
 Source: CT STD Control Program

# Primary & Secondary Syphilis Cases By Selected Towns, 2017–2019

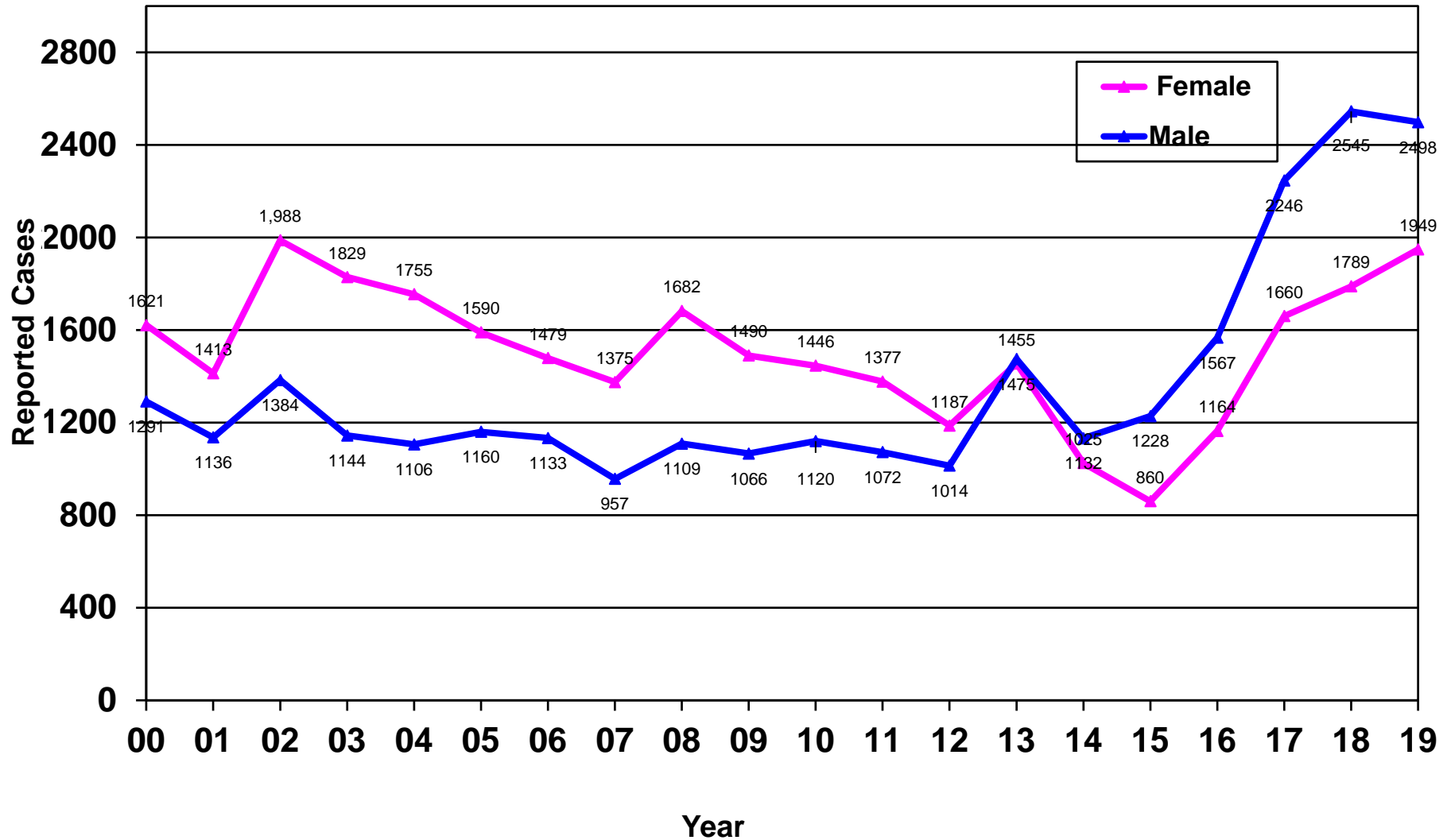


# Gonorrhea Case Rates Connecticut v. USA, 2000–2019



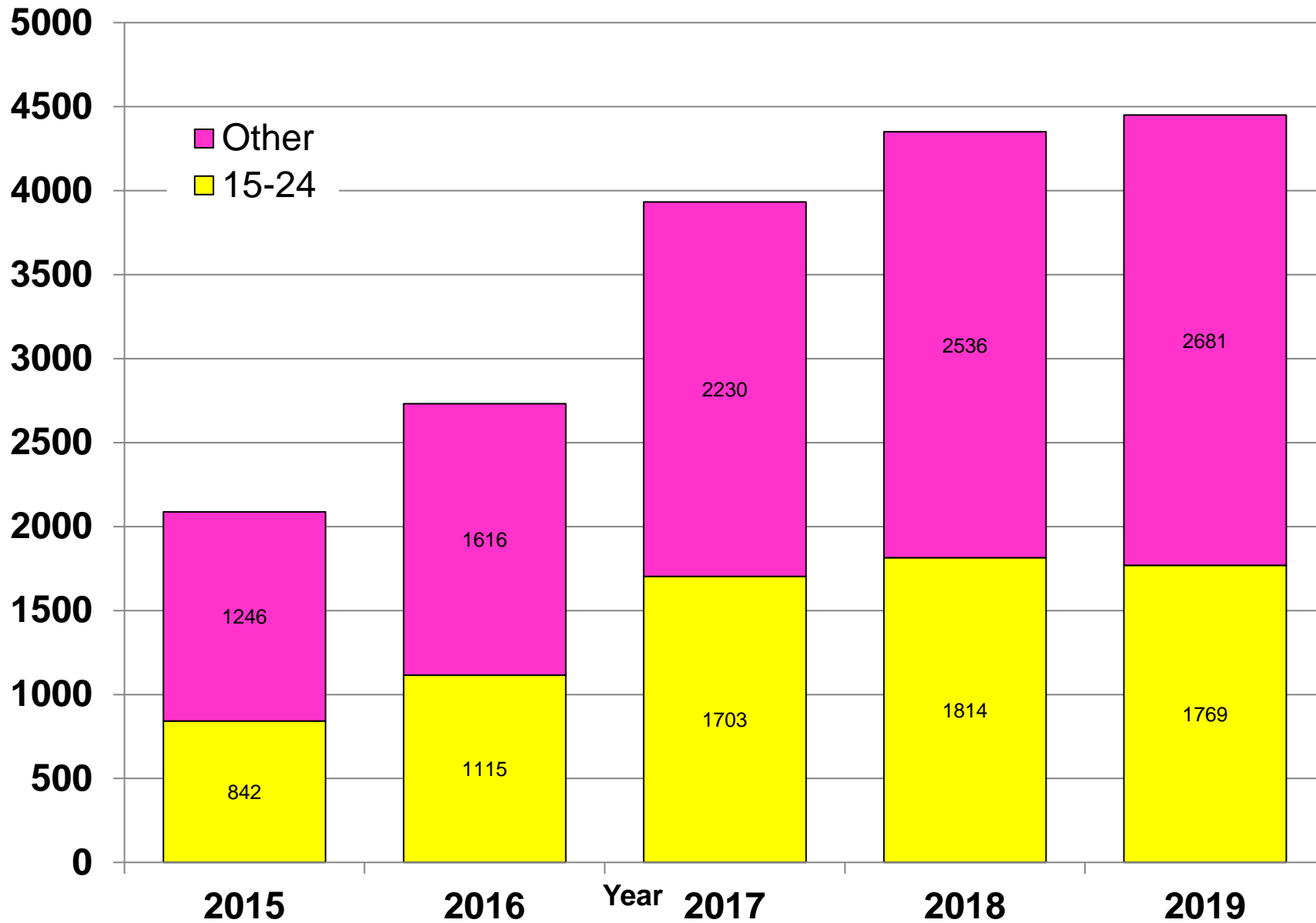
Source: CT STD Control Program and CDC

# Reported Gonorrhea Cases By Sex, 2000–2019

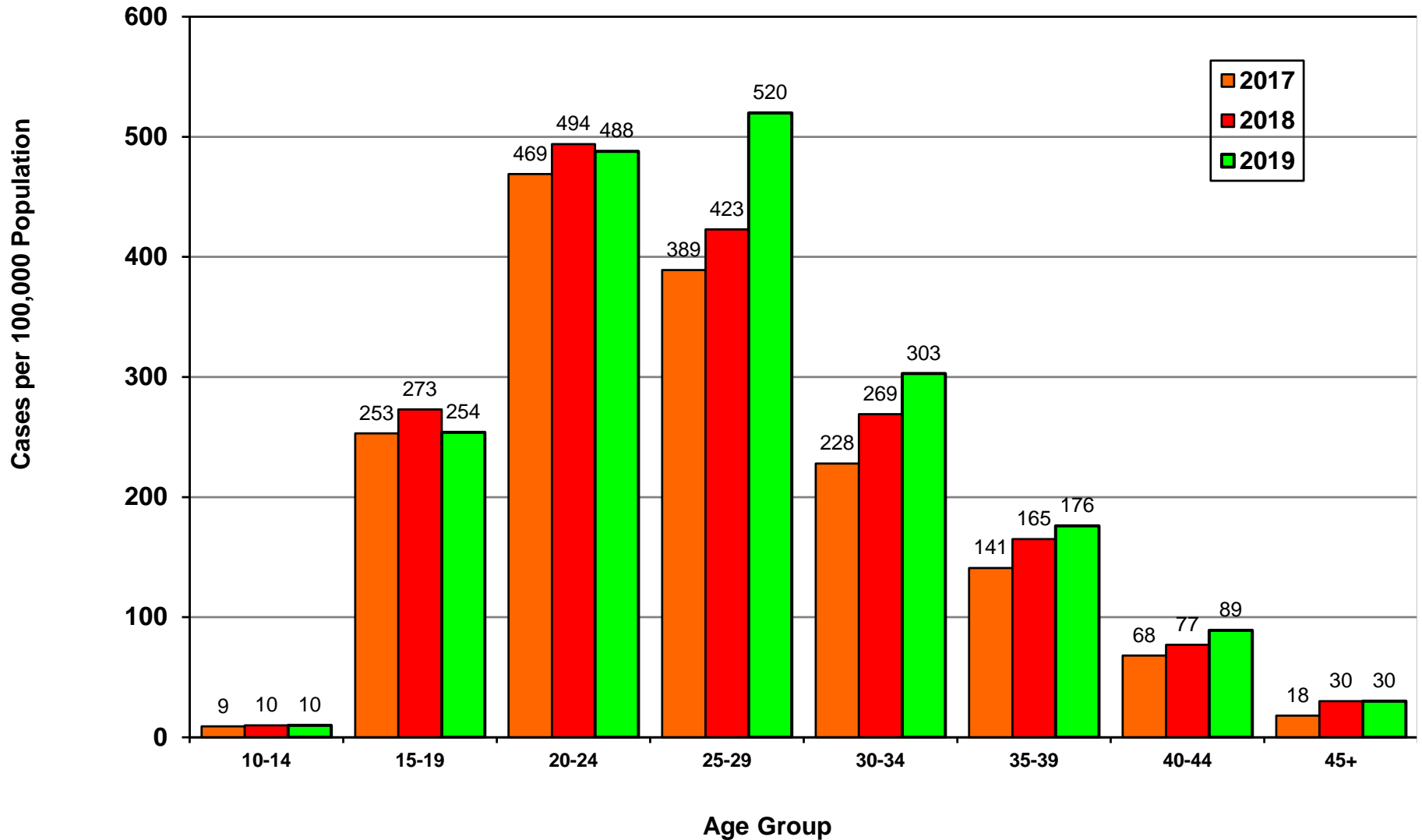


Source: CT STD Control Program

# Gonorrhea Cases Among 15–24 Year Olds, 2015–2019



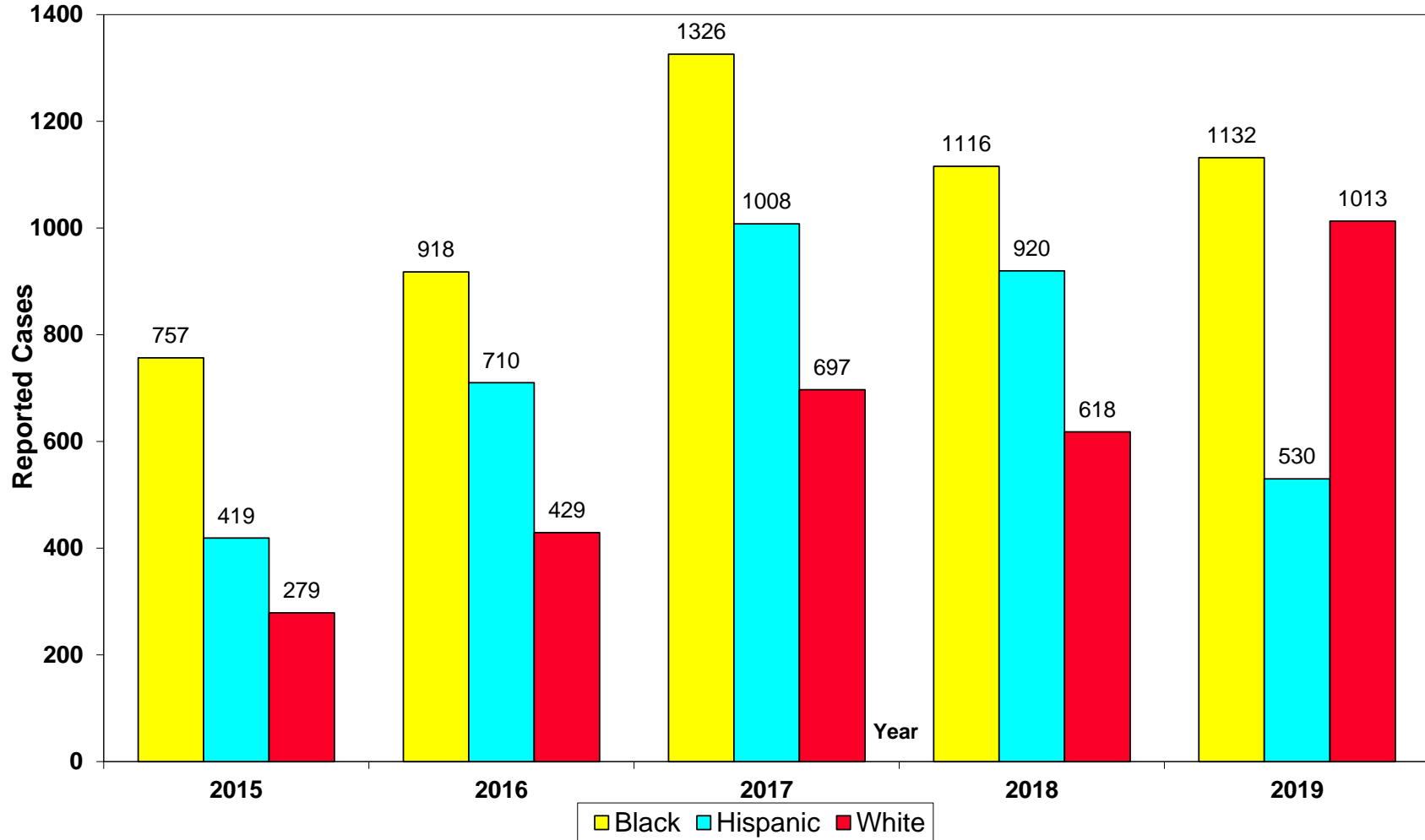
# Gonorrhea Case Rates By Selected Age Groups, 2017–2019



Source: CT STD Control Program



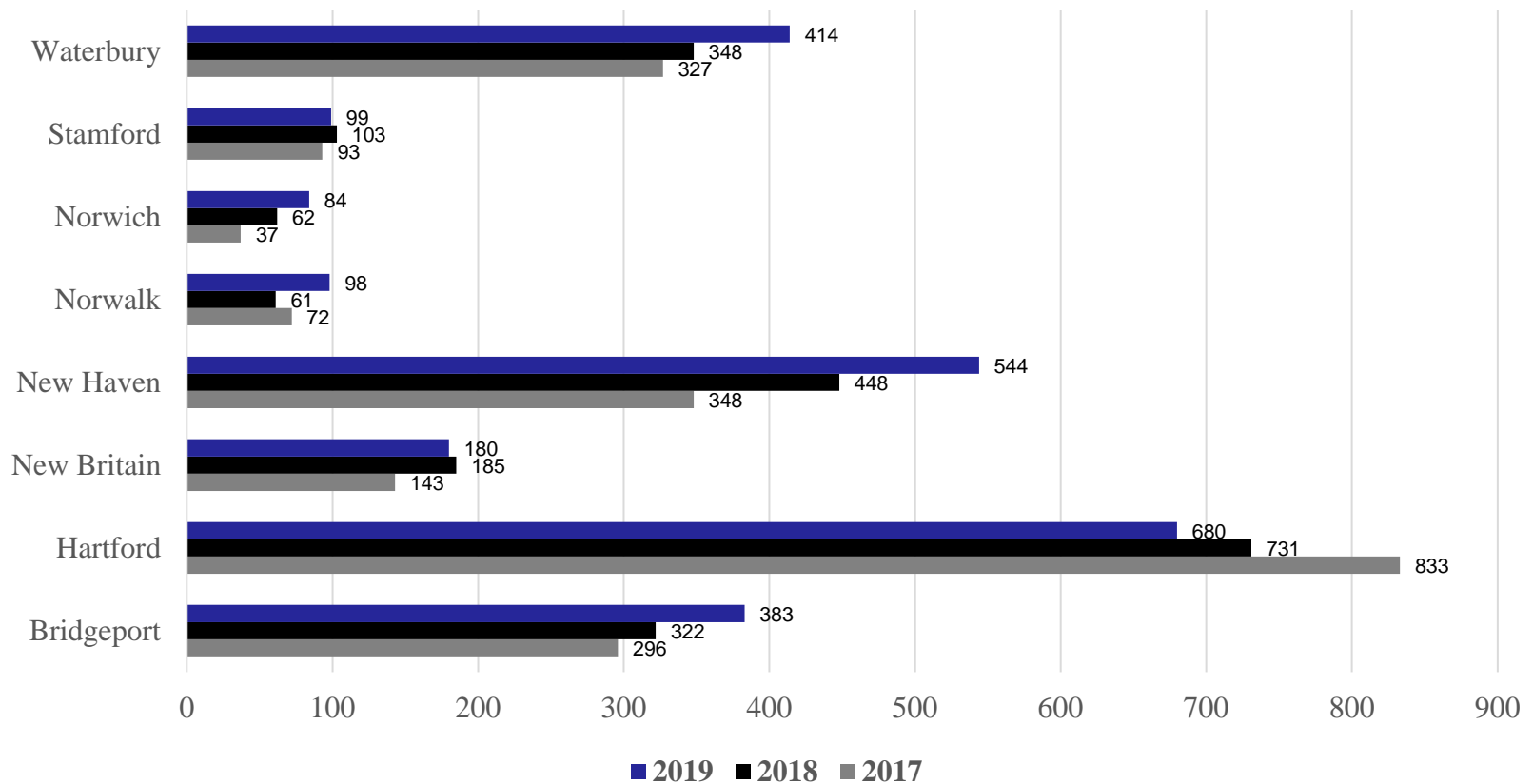
# Gonorrhea Cases By Race/Ethnicity, 2015–2019\*



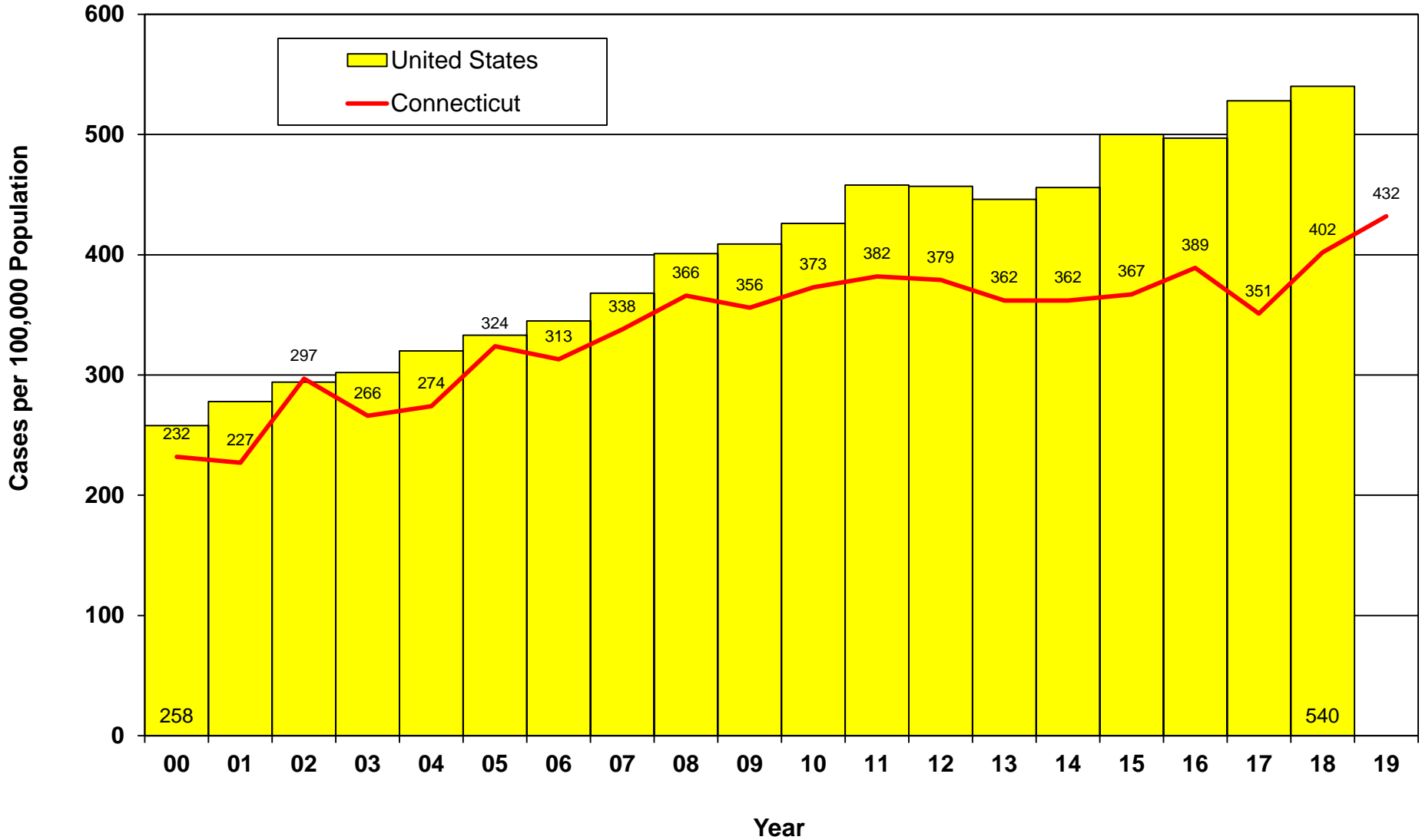
\*57% Unknown Race/Ethnicity

Source: CT STD Control Program

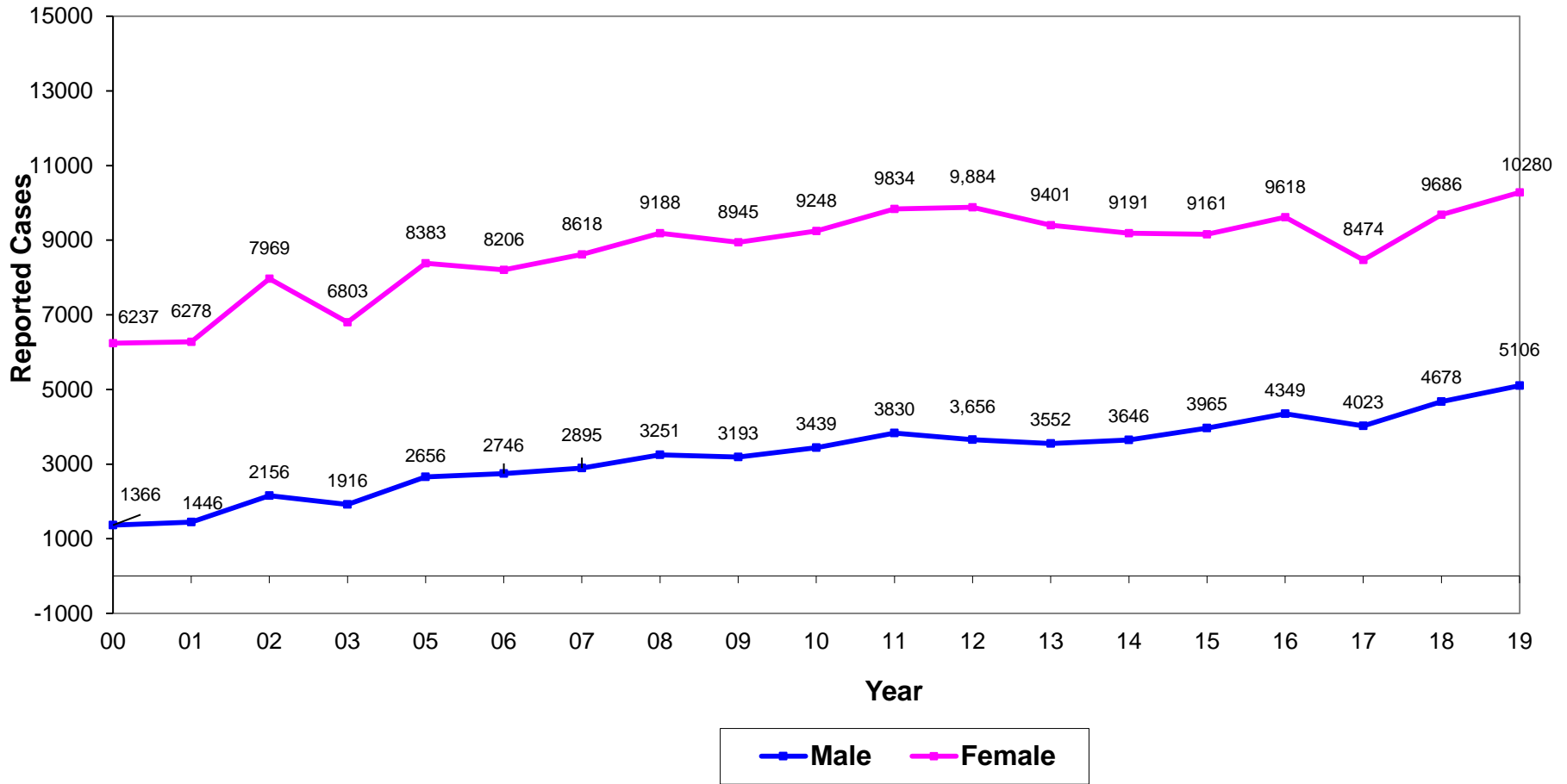
# Gonorrhea Cases by Selected Towns, 2017–2019



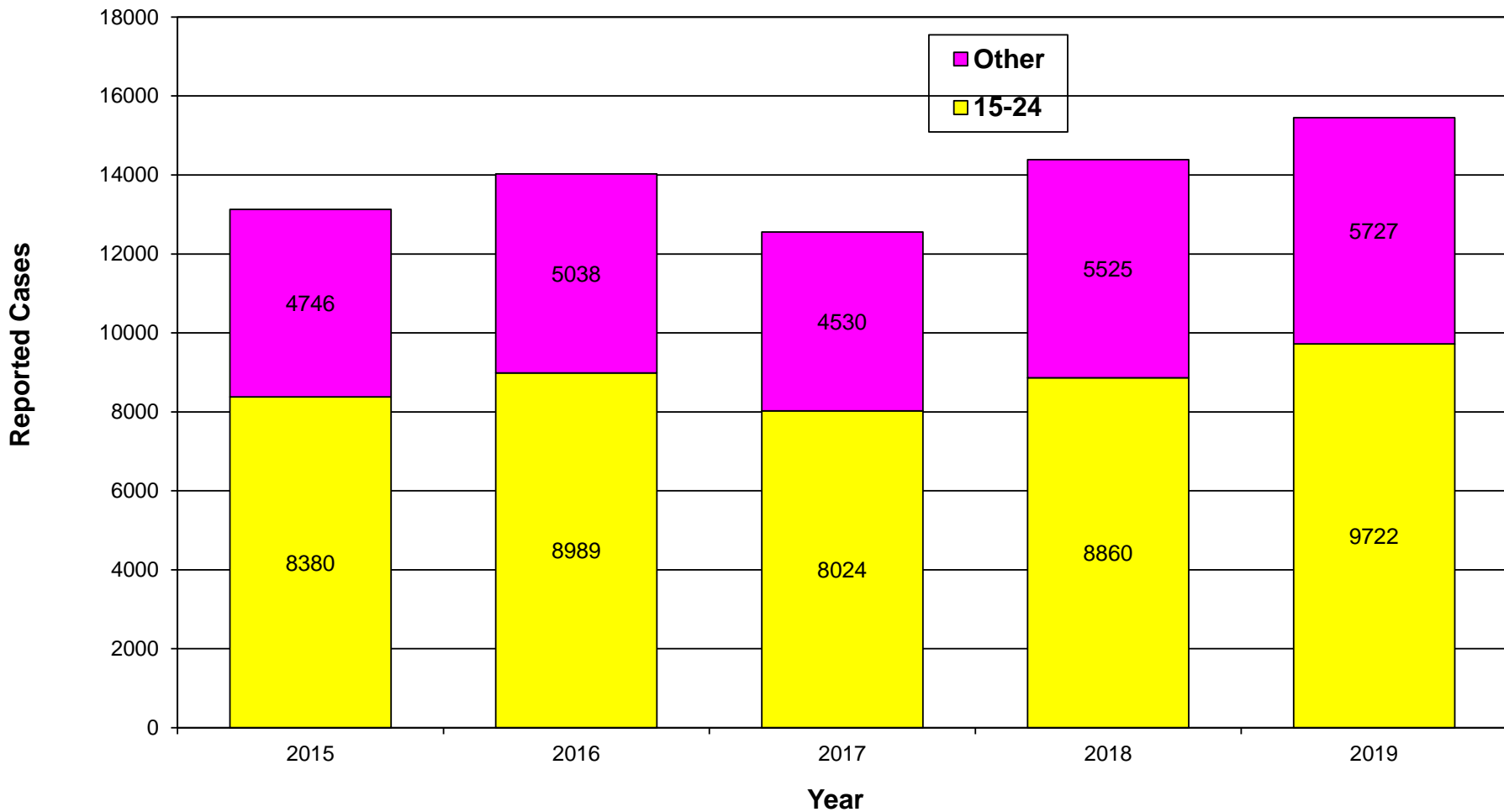
# Chlamydia Case Rates Connecticut v USA, 2000–2019



# Chlamydia Cases By Sex, 2000–2019

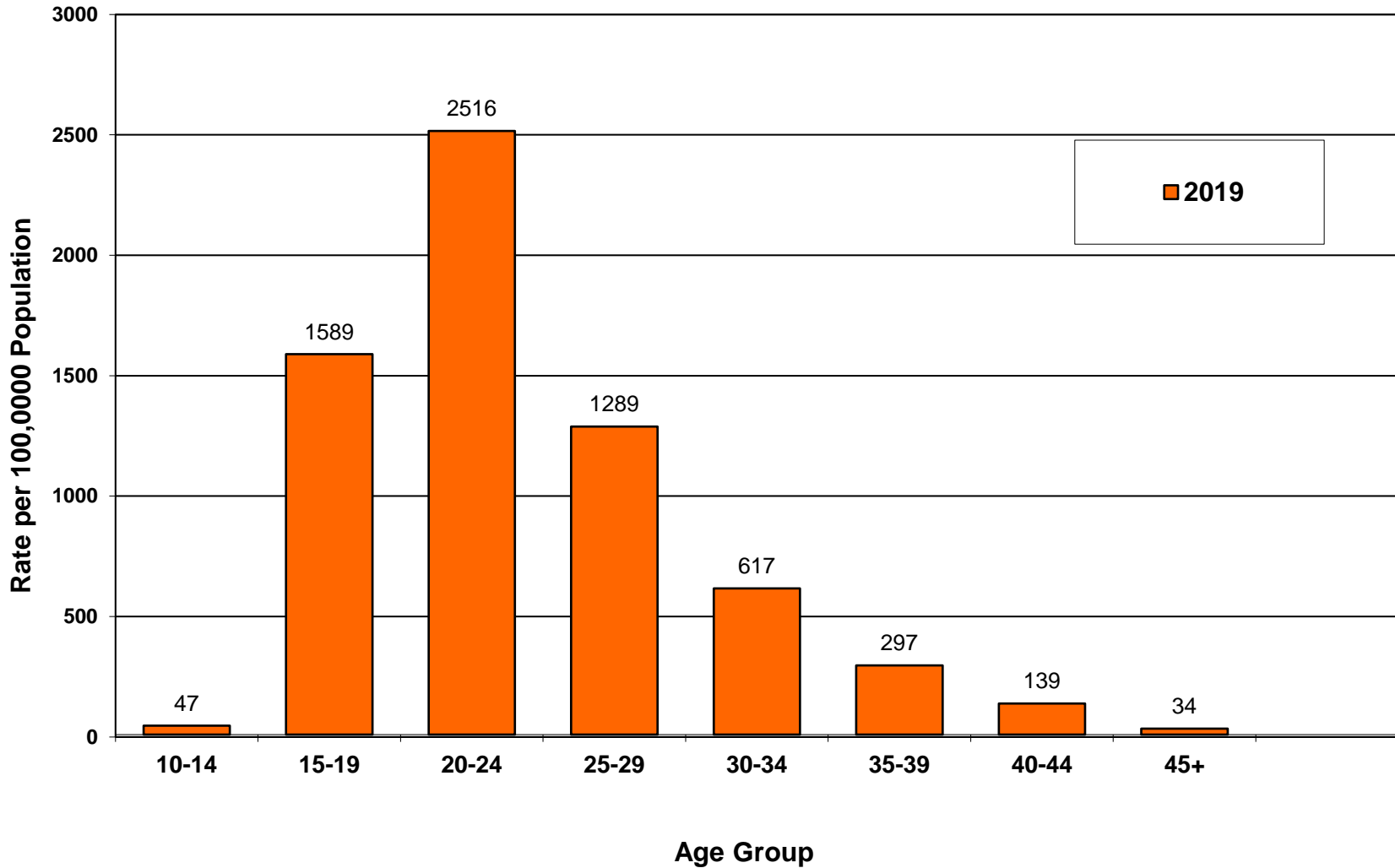


# Chlamydia Case Counts Among 15–24 Year Olds, 2015–2019

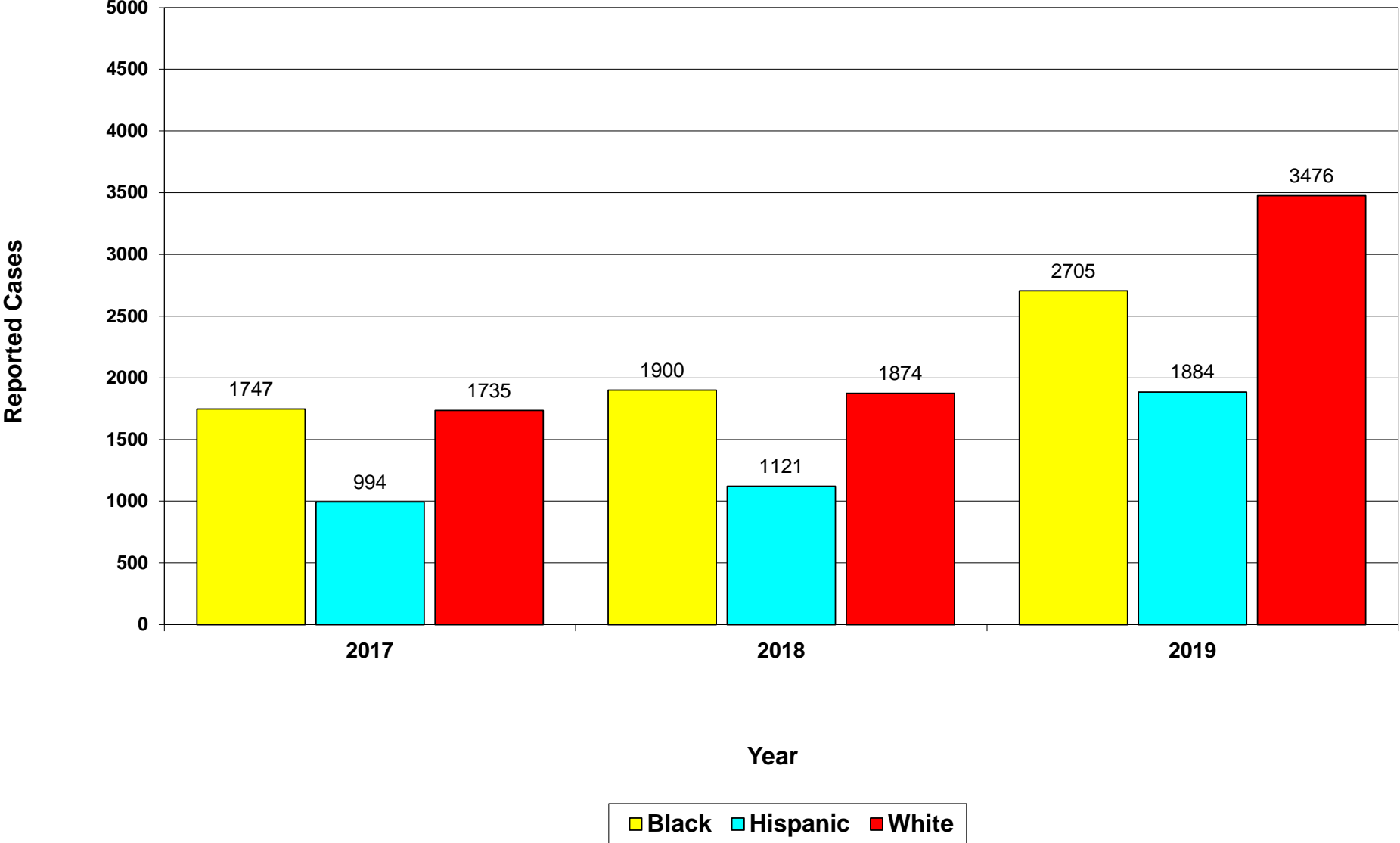


Source: CT STD Control Program

# Chlamydia Case Rates By Age Groups, 2019

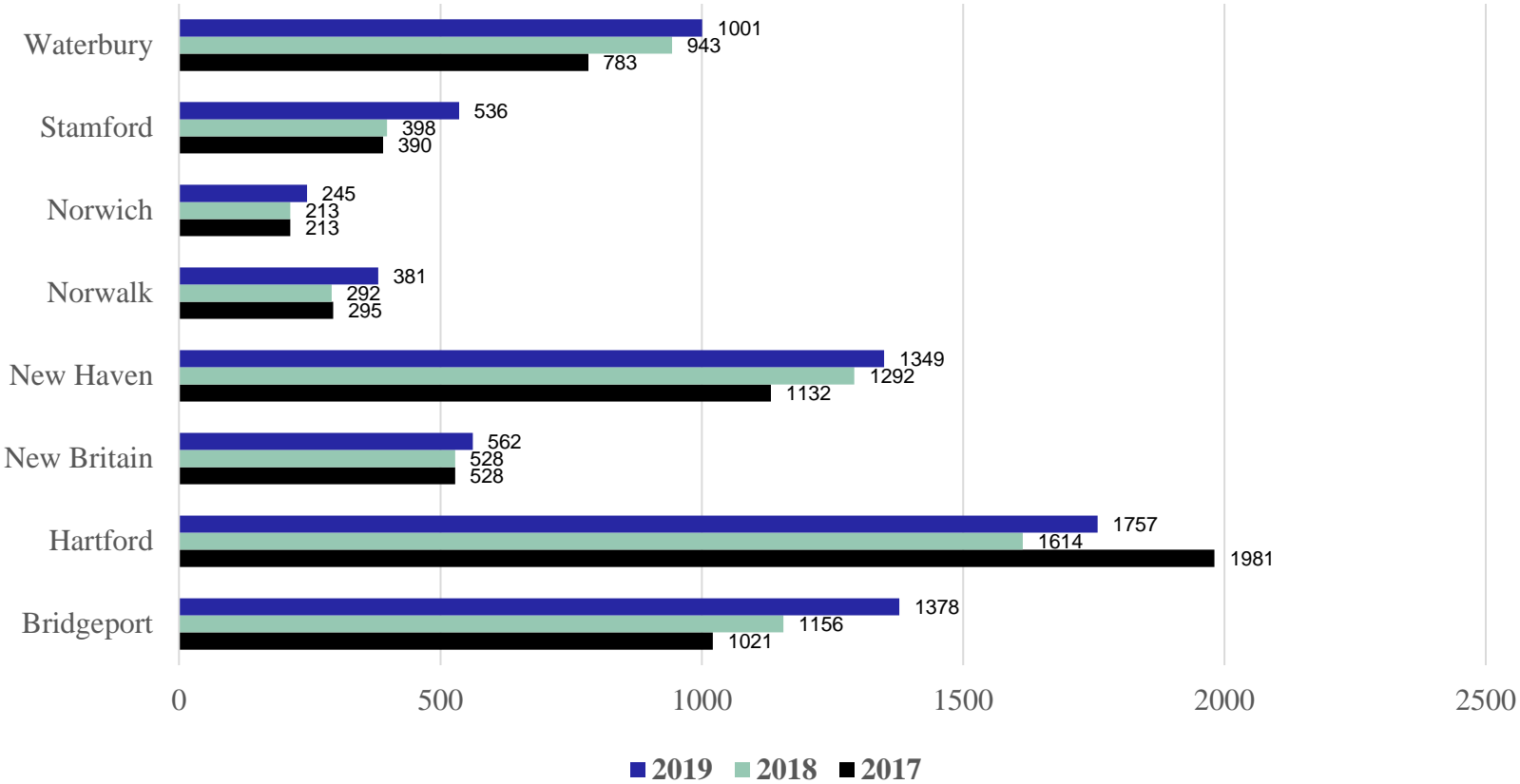


# Chlamydia Cases By Race/Ethnicity, 2017–2019\*



Source: CT STD Control Program: \* 41% race/ethnicity not reported

# Chlamydia Cases by Selected Towns, 2017–2019





# STD Testing

- Nationwide shortage of STD testing supplies, mainly chlamydia and gonorrhea
- 2021 – STD Control Program will begin exploring feasibility of STD home testing

# STD Indicators Ideas

- #/% of investigated cases who were newly diagnosed with HIV within 30 days after syphilis diagnosis
- #/% of investigated syphilis cases who were educated and referred to PrEP within 30 days after syphilis diagnosis

# Thank you!

- Contact Info

- Linda Ferraro – [linda.Ferraro@ct.gov](mailto:linda.Ferraro@ct.gov)

- » (860) 578-5856