



# **Syphilis Surveillance Supplement 2013–2017**

**Division of STD Prevention  
February 2019**

U.S Department of Health and Human Services  
**Centers for Disease Control and Prevention**  
National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention  
Division of STD Prevention  
Atlanta, Georgia, 30329-4027

## **Copyright Information**

All material contained in this report is in the public domain and may be used and reprinted without special permission; however, citation as to source is appreciated.

## **Suggested Citation**

Centers for Disease Control and Prevention. *Syphilis Surveillance Supplement 2013–2017*. Atlanta: U.S. Department of Health and Human Services; 2019.

## **Additional Resources**

The following additional resources related to this report were prepared for public use:

- All data tables in this report are available in excel format at <https://www.cdc.gov/std/stats17/syphilis2017/>
- Slide set with slides showing trends in the highlighted variables are available at <https://www.cdc.gov/std/stats17/syphilis2017/>

For additional STD surveillance data and information, please see the following:

- 2017 STD Surveillance Report, available at <https://www.cdc.gov/std/stats17/default.htm>
- Recommendations for Public Health Surveillance of Syphilis in the United States, available at <https://www.cdc.gov/std/SyphSurvReco.pdf>
- NCHHSTP AtlasPlus, an interactive tool for accessing STD surveillance data, as well as HIV/AIDS, TB, and viral hepatitis data; available at: <https://www.cdc.gov/nchhstp/atlas/>

*This report was prepared by*

**Surveillance and Data Management Branch**

Division of STD Prevention

National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention  
Centers for Disease Control and Prevention

Jim Braxton  
Jeremy Grey  
Alesia Harvey  
Sarah Kidd  
Rodney Presley  
Viani Ramirez  
Elizabeth Torrone  
Hillard Weinstock

*Others contributing to the production and dissemination of this publication*

**Division of STD Prevention**

Diane Ballard  
Gail Bolan  
Keith Davis  
Nikki Mayes  
Raul Romaguera  
Salina Smith

**National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention**

Brian Katzowitz

Publication of this report would not have been possible without the contributions of the state and territorial health departments, STD control programs, and public health laboratories that provided surveillance data to CDC.

## **Table of Contents**

Commentary.....	5
Technical Notes .....	10
References.....	13
Table 1. Frequency of reported behaviors/characteristics among reported primary and secondary syphilis cases by sex and sexual behavior, United States, 2013–2017.....	14
Table 2a. Frequency of reported behaviors/characteristics among reported primary and secondary syphilis cases by region, United States, 2013–2017.....	18
Table 2b. Frequency of reported behaviors/characteristics among MSM with reported primary and secondary syphilis by region, United States, 2013–2017. ....	23
Table 2c. Frequency of reported behaviors/characteristics among MSW with reported primary and secondary syphilis by region, United States, 2013–2017. ....	27
Table 2d. Frequency of reported behaviors/characteristics among women with reported primary and secondary syphilis by region, United States, 2013–2017. ....	31
Table 3a. Frequency of reported behaviors/characteristics among reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017.....	36
Table 3b. Frequency of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017. ....	43
Table 3c. Frequency of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017. ....	50
Table 3d. Frequency of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017. ....	57
Table 4a. Frequency of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017. ....	64
Table 4b. Frequency of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017.....	75
Table 4c. Frequency of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017.....	85
Table 4d. Frequency of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017.....	95
Table A. Total number of reported primary and secondary syphilis cases by sex and sexual behavior, region, and race/Hispanic ethnicity, United States, 2013–2017.....	106

## **Commentary**

In the United States, the national rate of primary and secondary (P&S) syphilis has increased almost every year since 2001 (1). In 2017, a total of 30,644 cases of P&S syphilis were reported in the United States, and the national rate was 9.5 cases per 100,000 population. This rate represents a 10.5% increase compared with 2016, and a 72.7% increase compared with 2013. This report, *Syphilis Surveillance Supplement 2013–2017*, presents surveillance data on reported behaviors and characteristics among the reported P&S syphilis cases in the United States during 2013–2017. It is best viewed as a companion to *Sexually Transmitted Disease Surveillance 2017* (1), which includes descriptions of trends in the number of syphilis cases and rates over time as well as comparison of syphilis rates and trends among demographic groups. Both of these publications are intended as reference documents for policy makers, program managers, researchers, and others who are concerned with syphilis and its public health implications.

## **Key Definitions and Methods**

Left untreated, infection with syphilis can span decades. P&S syphilis are the earliest stages of syphilitic infection, reflect symptomatic disease, and have traditionally been used to monitor trends in incident infection (2). P&S syphilis case report data were extracted from the National Notifiable Diseases Surveillance System, the system through which CDC receives syphilis and other notifiable sexually transmitted disease data from all 50 states and the District of Columbia. Case report data include demographic information and, for cases interviewed or investigated by the local health department, also include additional information about behaviors and characteristics, such as information about sex partners and drug use within the past 12 months. P&S syphilis cases are typically prioritized by STD control programs for case investigation, and are therefore more likely to be reported with data on risk factors compared to cases with other stages of syphilis.

For this report, male cases were categorized as gay, bisexual, or other men who have sex with men (MSM) if they reported having sex with any male partner in the last 12 months. Male cases were categorized as men who have sex with women only (MSW) if they reported having sex with only female partners in the last 12 months.

The proportion of cases reporting each behavior or characteristic was calculated among cases with known data for that variable; cases with unknown data for each variable were excluded from the analysis. The denominators displayed in Tables 1–4 represent the number of cases with known data for that variable. For comparison with these denominators, the total number of reported cases, stratified by sex of sex partners and various demographic groups are shown in Table A.

Further details about specific variables and national case report data are provided in the Technical Notes section.

## Interpreting Trends in Proportions

The focus of this report is the proportion of reported P&S syphilis cases that reported certain behaviors or characteristics and trends in these proportions during 2013–2017. These trends should be interpreted in the context of overall case burden and trends during this time period. Specifically, it is important to note that the majority of P&S syphilis cases are MSM cases, and that the number of MSM, MSW, and female cases increased during 2013–2017. Therefore, it is possible that trends in the *proportion* of cases reporting a specific behavior differ from trends in the *number* of cases reporting this behavior; the proportion of cases that reported a behavior could have remained stable while the number of cases reporting that behavior increased. For this reason, both numbers and proportions are included in the data tables for reference.

## Highlights of Analyses

Data on the frequency of all collected variables related to reported drug use within the past 12 months, reported sexual behaviors and sexual partners within the past 12 months, and other reported characteristics (history of incarceration within the past 12 months, history of previous STD ever, and current HIV status) among reported P&S syphilis cases are displayed in Tables 1–4. For each variable or sets of variables, we present tables summarizing the data among all P&S syphilis cases, followed by tables specific to MSM, MSW, and women.

Of all reported behaviors and characteristics, the most notable trends were the increases in the proportion of female and MSW P&S syphilis cases that reported injection drug use, methamphetamine use, heroin use, and sex with a person who injects drugs (PWID) during 2013–2017. These trends differ from those seen among MSM cases. While the number of MSM cases reporting injection drug use, methamphetamine use, and heroin use increased, the proportion of MSM cases reporting use of these drugs did not. These trends among female, MSW, and MSM cases are discussed in detail below.

## Proportion of Cases Reporting Injection Drug Use in Past 12 Months

During 2013–2017, the proportion of P&S syphilis cases that reported injection drug use within the past 12 months more than doubled among female and MSW cases, but remained stable among MSM cases (Table 1). The proportion of female cases reporting injection drug use increased from 4.0% in 2013 to 10.5% in 2017, and the proportion of MSW cases reporting injection drug use increased from 2.8% to 6.3%. In contrast, the proportion of MSM cases reporting injection drug use remained stable at 3.5%.

- **Region:** In general, reported injection drug use was most frequent among cases in the West and least frequent in the Northeast (Table 2a). Among female cases, injection drug use increased in every region during 2013–2017 (Table 2d). Among MSW cases, injection drug use increased in the West, Midwest, and South, but decreased slightly in the Northeast (Table 2c). Among MSM cases, injection drug use increased in the Midwest and the South, but decreased in the West and

Northeast (Table 2b). In every region, the proportion of cases reporting injection drug use in 2017 was highest among female cases compared with MSW or MSM cases.

- **Race/Hispanic ethnicity:** Overall, reported injection drug use was most frequent among American Indian/Alaska Native (AI/AN) and White cases (Table 3a). Among female cases, injection drug use increased in every race/Hispanic ethnicity group during 2013–2017 (Table 3d). Among MSW cases, injection drug use increased among White, Black, Hispanic, and Multirace cases, but fluctuated or remained unchanged among the small number of Asian, AI/AN, and Native Hawaiian/Other Pacific Islander (NHOPI) cases (Table 3c). Among MSM cases, injection drug use fluctuated but generally remained relatively stable or decreased among all race/Hispanic ethnicity groups (Table 3b). For every race/Hispanic ethnicity group, the proportion of cases reporting injection drug use in 2017 was highest among female cases compared with MSW or MSM cases.
- **Age group:** Overall, cases aged 30–44 years had the highest proportion of reported injection drug use (Table 4a). Among female cases, during 2013–2017, injection drug use increased in every age group except among the small number of cases aged ≥65 years (Table 4d). Among MSW cases, injection drug use increased in every age group (Table 4c). Among MSM cases, the proportion reporting injection drug use fluctuated, but was higher in 2017 than in 2013 for cases aged 15–19 years, 20–24 years, 35–39 years, 55–64 years, and ≥65 years; the proportion was lower or unchanged in 2017 compared to 2013 for cases aged 25–29 years, 30–34 years, 40–44 years, and 45–54 years (Table 4b).

## Proportion of Cases Reporting Methamphetamine Use in Past 12 Months

During 2013–2017, the proportion of P&S syphilis cases that reported methamphetamine use in the past 12 months more than doubled among female and MSW cases, but decreased slightly among MSM cases (Table 1). Among female cases, the proportion reporting methamphetamine use increased from 6.2% in 2013 to 16.6% in 2017. Among MSW cases, the proportion reporting methamphetamine use increased from 5.0% to 13.3%. Among MSM cases, the proportion reporting methamphetamine use decreased slightly from 9.2% to 8.0%.

- **Region:** Overall, the proportion of cases reporting methamphetamine use was highest among cases in the West and lowest among cases in the Northeast (Table 2a). In 2017 in the West, over one-third (34.8%) of female cases and one-quarter (25.0%) of MSW cases reported methamphetamine use. In comparison, 12.4% of MSM cases in the West reported methamphetamine use in 2017. Among female cases, methamphetamine use increased in every region during 2013–2017 (Table 2d). Among MSW cases, methamphetamine use increased in every region except for the Northeast (Table 2c). Among MSM cases, methamphetamine use decreased in the West and Northeast, but was higher in 2017 compared to 2013 in the Midwest and the South (Table 2b). In the West, Midwest, and South, methamphetamine use was highest among female cases compared with MSW or MSM cases in 2017. However, in the Northeast, methamphetamine use was highest among MSM cases.
- **Race/Hispanic ethnicity:** In general in 2017, the proportion of cases reporting methamphetamine use was lowest among Black cases (Table 3a). Among female and MSW cases, methamphetamine

use increased in every race/Hispanic ethnicity group during 2013–2017 (Table 3d and 3c). Among MSM cases, methamphetamine use increased among AI/AN and NHOPI cases, but decreased in every other race/Hispanic ethnicity group (Table 3b).

- **Age group:** During 2013–2017, among female and MSW cases, methamphetamine use increased in every age group except those aged  $\geq 65$  years (Table 4d and 4c). Among MSM cases, the proportion reporting methamphetamine use fluctuated, but generally decreased or remained relatively stable in all age groups (Table 4b).

## Proportion of Cases Reporting Heroin Use in Past 12 Months

During 2013–2017, the proportion of P&S syphilis cases that reported heroin use in the past 12 months more than doubled among female cases and more than tripled among MSW cases, but remained stable among MSM cases (Table 1). The proportion of female cases reporting heroin use increased from 2.1% to 5.8% during 2013–2017, and the proportion of MSW cases reporting heroin use increased from 0.8% to 2.7%. In contrast, the proportion of MSM cases reporting heroin use was 0.7% in 2013 and was 0.8% in 2017.

- **Region:** In 2017, the proportion of cases reporting heroin use was highest among cases in the West and lowest among cases in the Northeast (Table 2a). In every region, the proportion of female cases reporting heroin use was higher in 2017 compared to 2013 (Table 2d). Among MSW cases, heroin use was higher in 2017 than in 2013 in every region except for the Northeast (Table 2c). Among MSM cases, the proportion reporting heroin use fluctuated but remained  $\leq 1\%$  in all regions during 2013–2017. In every region in 2017, heroin use was more frequently reported among female cases than among MSW or MSM cases.
- **Race/Hispanic ethnicity:** In general in 2017, the proportion of cases reporting heroin use was highest among AI/AN and White cases (Table 3a). Among female cases, heroin use increased in every race/Hispanic ethnicity group except Hispanic cases during 2013–2017 (Table 3d). Among MSW cases, the proportion reporting heroin use increased among White, Hispanic, AI/AN, and Multirace cases, but remained relatively stable and  $\leq 1\%$  among Black, Asian, and NHOPI cases (Table 3c). Among MSM cases, heroin use increased among White cases, but decreased or remained relatively stable in every other race/Hispanic ethnicity group (Table 3b). For every race/Hispanic ethnicity group in 2017, heroin use was more frequently reported among female cases than among MSW or MSM cases.
- **Age group:** During 2013–2017, among female cases, the proportion of cases reporting heroin use was higher in 2017 than in 2013 for every age group except among the small number of cases aged  $\geq 65$  years (Table 4d). Among MSW cases, the proportion reporting heroin use was higher in 2017 compared to 2013 for every age group except for those aged 55–64 years and  $\geq 65$  years (Table 4c). Among MSM cases, the proportion of cases reporting heroin use was higher in 2017 compared to 2013 among cases aged 20–24 years, 25–29 years, 30–34 years, 35–39 years, and 40–44 years, but was lower or the same in 2017 compared to 2013 among other age groups (Table 4b).

## Proportion of Cases Reporting Sex in Past 12 Months with a Person Who Injects Drugs (PWID)

During 2013–2017, the proportion of P&S syphilis cases that reported having sex in the past 12 months with a person who injects drugs more than doubled among female and MSW cases (Table 1). The proportion of cases reporting sex with a PWID also increased among MSM cases, albeit less dramatically. During 2013–2017, the proportion of female cases reporting sex with a PWID increased from 5.5% to 12.4%, the proportion of MSW cases reporting sex with a PWID increased from 3.6% to 9.3%, and proportion of MSM cases reporting sex with a PWID increased from 4.3% to 5.2%.

- **Region:** In general, the proportion of cases reporting sex with a PWID was highest among cases in the West and lowest in the Northeast (Table 2a). Among female and MSW cases, sex with a PWID increased in every region during 2013–2017 (Table 2d and Table 2c). Among MSM cases, sex with a PWID increased in the Midwest and the South, but decreased in the West and Northeast (Table 2b). In every region, the proportion of cases reporting sex with a PWID in 2017 was highest among female cases and lowest among MSM cases.
- **Race/Hispanic ethnicity:** Overall, the proportion of cases reporting sex with a PWID was highest among AI/AN and White cases (Table 3a). Among female cases, the proportion reporting sex with a PWID was higher in 2017 than in 2013 for every race/Hispanic ethnicity group except NHOPI cases (Table 3d). Among MSW cases, the proportion reporting sex with a PWID was higher in 2017 than in 2013 for every race/Hispanic ethnicity group except for AI/AN and NHOPI cases (Table 3c). Among MSM cases, the proportion reporting sex with a PWID fluctuated but was higher in 2017 than in 2013 for every race/Hispanic ethnicity group except for Asian and NHOPI cases (Table 3b).
- **Age group:** During 2013–2017, among female cases, sex with a PWID increased in every age group except those aged  $\geq 65$  years (Table 4d). Among MSW cases, sex with a PWID increased in every age group (Table 4c). Among MSM cases, sex with a PWID increased among cases in every age group except those aged 15–19 years and those aged 25–29 years (Table 4b).

## **Technical Notes**

### **Nationally Notifiable STD Surveillance**

Nationally notifiable STD surveillance data are collected and compiled from reports sent by the STD control programs and health departments in all 50 states, the District of Columbia, and selected cities to the Division of STD Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Centers for Disease Control and Prevention (CDC). Data are also collected from reports sent by health departments in United States dependencies and possessions, and independent nations in free association with the United States (hereafter referred to as “outlying areas”). Data presented in this report are limited to cases reported by the 50 states and District of Columbia, and do not include cases reported by outlying areas. Data presented in this reported are compiled from electronic data received through the National Electronic Telecommunications System for Surveillance (NETSS).

### **Case Definitions**

The Council of State and Territorial Epidemiologists (CSTE) recommends that state health departments report cases of selected diseases to CDC’s National Notifiable Diseases Surveillance System (NNDSS). Case definitions are periodically revised using CSTE’s Position Statements and provide uniform criteria of nationally notifiable conditions for reporting purposes. The most current syphilis surveillance case definitions and archived syphilis case definitions are available at the NNDSS website:

<https://wwwn.cdc.gov/nndss/conditions/syphilis/case-definition/2018/>

### **Reporting of Data for Behaviors and Characteristics**

P&S syphilis case report data include demographic information and, for cases interviewed or investigated by the local health department, also include additional information about drug use within the past 12 months, sexual behaviors and partners within the past 12 months, and other characteristics (i.e., incarceration within the past 12 months, history of prior STD ever, and HIV status). P&S syphilis cases are typically prioritized by STD control programs for case investigation, and are therefore more likely to be reported with data on risk factors compared to cases with other stages of syphilis. However, some cases are submitted with missing or unknown data. For this report, the proportion of cases reporting each behavior or characteristic was calculated among cases with known data for that variable. That is to say, cases with unknown data for each variable were excluded from the analysis. The denominators displayed in Tables 1–4 represent the number of cases with known data for that variable. For comparison with these denominators, the total number of reported cases, stratified by sex of sex partners and various demographic groups are shown in Table A.

**Drug use variables:** For drug use within the past 12 months, the following variables are included in the case report data: injection drug use, methamphetamine use, heroin use, cocaine use, crack use, nitrates/poppers use, erectile dysfunction medication use, other drug use, and no drug use. Injection drug use is collected and reported as a “yes/no” question; therefore, the proportion of cases with reported injection drug use was calculated among those cases reported with a “yes” response or a “no” response. However, some local health departments collected data on the remaining drug use variables (e.g., methamphetamine, heroin, etc.) in a “check all that apply” format and therefore did not routinely report “no” responses to these variables. For these drug variables, missing data could indicate either (1) the case

reported that he/she did not use that drug, or (2) truly missing/unknown data. For this reason, for each of the drug variables other than injection drug use, missing and unknown responses for the variable were considered to be “no” responses and were included in the denominator for that variable if they had a “yes” response to any other of the drug variables and also did not have a “no” response to any of these variables.

**Sexual behavior and sexual partner variables:** For sexual behaviors and sexual partners within the past 12 months, the following variables are included in the case report data: exchanged drugs/money for sex, had sex while high/intoxicated, had sex with a person who injects drugs, had sex with an anonymous partner, had sex with an MSM (asked of female cases only), met a sex partner through the internet, and number of sex partners. For the purposes of this report, number of sex partners was converted to a categorical variable (i.e., 0–1, 2–5, and  $\geq 6$  sex partners). For these variables, cases reported with missing or unknown data were excluded from the analysis of that variable.

**Other characteristic variables:** Other characteristic variables included in the case report data are the following: incarceration within the past 12 months, history of prior STD ever, and HIV status. Reported HIV status was obtained based on self-report, the results of the most recent HIV test at the time of the case interview/investigation, or other records available to the health department. As with the other variables described in this report, cases reported with missing or unknown data were excluded from the analysis of that variable.

## Reporting of Data for Region

Data in this report were analyzed and presented according to census regions of the United States: the West (Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming); Midwest (Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin); South (Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia); and Northeast (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont).

## Reporting of Data for Race/Hispanic Ethnicity

In April 2008, the NETSS record layout was updated to conform to the Office of Management and Budget’s (OMB) current government-wide standard for race/Hispanic ethnicity data. The OMB standards were first issued in 1997 (3). In this report, the race/Hispanic ethnicity data are presented according to the current OMB standard categories: American Indian/Alaska Native, Asian, Black or African American, Hispanic or Latino, Native Hawaiian/Other Pacific Islander, White, and Multirace. As of 2017, most reporting jurisdictions are locally compliant with current OMB standards and report in the current OMB standard race categories, including Multirace. However, a small number of jurisdictions reported race in pre-1997 single race categories, while other jurisdictions were using current OMB standards categories but were unable to report more than one race per person in 2017. For this report, all race and Hispanic ethnicity data reported by jurisdictions are included regardless of local compliance with the 1997 OMB standards. As a result, a small number of cases reported in the legacy “Asian/Pacific Islander” category from non-compliant jurisdictions are re-coded to “Unknown” race/Hispanic ethnicity because these cases cannot be

properly re-coded into an appropriate current OMB standards category of “Asian” or “Native Hawaiian/Other Pacific Islander.”

## References

1. Centers for Disease Control and Prevention. *Sexually Transmitted Disease Surveillance 2017*. Atlanta: U.S. Department of Health and Human Services; 2018. Available at: <https://www.cdc.gov/std/stats17/default.htm>
2. Peterman TA, Kahn RH, Ciesielski CA, et al. Misclassification of the stages of syphilis: implications for surveillance. *Sex Transm Dis* 2005; 32(3):144–149.
3. Office of Management and Budget. Revisions to the standards for classification of federal data on race and ethnicity. Federal Register Notice. October 30, 1997.

**Table 1. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by sex and sexual behavior, United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
MSM	288/8133	365/10231	345/11831	406/13299	514/14529	3.5	3.6	2.9	3.1	3.5
MSW	48/1736	78/2116	96/2674	152/3166	230/3635	2.8	3.7	3.6	4.8	6.3
Women	44/1109	81/1329	119/1701	179/2214	281/2677	4.0	6.1	7.0	8.1	10.5
<b>US Total†</b>	<b>388/11221</b>	<b>534/14097</b>	<b>569/16552</b>	<b>745/19126</b>	<b>1042/21277</b>	<b>3.5</b>	<b>3.8</b>	<b>3.4</b>	<b>3.9</b>	<b>4.9</b>
<b>Used methamphetamine</b>										
MSM	805/8778	867/9987	855/11354	1039/13079	1132/14071	9.2	8.7	7.5	7.9	8.0
MSW	88/1779	151/2041	194/2545	347/3116	482/3628	5.0	7.4	7.6	11.1	13.3
Women	69/1106	92/1361	184/1735	317/2311	456/2746	6.2	6.8	10.6	13.7	16.6
<b>US Total†</b>	<b>987/12489</b>	<b>1136/14464</b>	<b>1253/17023</b>	<b>1738/20402</b>	<b>2106/21948</b>	<b>7.9</b>	<b>7.9</b>	<b>7.4</b>	<b>8.5</b>	<b>9.6</b>
<b>Used heroin</b>										
MSM	57/8765	49/9974	78/11309	102/13038	117/14027	0.7	0.5	0.7	0.8	0.8
MSW	15/1773	37/2040	44/2541	66/3096	97/3600	0.8	1.8	1.7	2.1	2.7
Women	23/1108	42/1359	59/1728	109/2301	156/2708	2.1	3.1	3.4	4.7	5.8
<b>US Total†</b>	<b>95/12463</b>	<b>131/14446</b>	<b>182/16963</b>	<b>279/20320</b>	<b>375/21822</b>	<b>0.8</b>	<b>0.9</b>	<b>1.1</b>	<b>1.4</b>	<b>1.7</b>
<b>Used cocaine</b>										
MSM	343/8758	383/9973	428/11322	476/13047	497/14037	3.9	3.8	3.8	3.6	3.5
MSW	64/1777	107/2043	125/2546	149/3098	172/3591	3.6	5.2	4.9	4.8	4.8
Women	48/1107	67/1360	72/1730	118/2302	150/2705	4.3	4.9	4.2	5.1	5.5
<b>US Total†</b>	<b>458/12462</b>	<b>563/14449</b>	<b>631/16981</b>	<b>753/20331</b>	<b>825/21822</b>	<b>3.7</b>	<b>3.9</b>	<b>3.7</b>	<b>3.7</b>	<b>3.8</b>
<b>Used crack</b>										
MSM	77/8760	105/9974	120/11307	101/13032	86/14026	0.9	1.1	1.1	0.8	0.6
MSW	36/1774	45/2044	52/2546	61/3097	68/3590	2.0	2.2	2.0	2.0	1.9
Women	42/1108	65/1362	68/1729	82/2300	86/2701	3.8	4.8	3.9	3.6	3.2
<b>US Total†</b>	<b>156/12461</b>	<b>218/14454</b>	<b>242/16966</b>	<b>245/20313</b>	<b>241/21805</b>	<b>1.3</b>	<b>1.5</b>	<b>1.4</b>	<b>1.2</b>	<b>1.1</b>
<b>Used nitrates/poppers</b>										
MSM	481/8755	494/9927	473/11289	554/12885	682/13805	5.5	5.0	4.2	4.3	4.9
MSW	5/1772	6/2032	21/2524	10/3031	12/3475	0.3	0.3	0.8	0.3	0.3
Women	7/1102	10/1356	14/1717	13/2233	16/2618	0.6	0.7	0.8	0.6	0.6
<b>US Total†</b>	<b>499/12444</b>	<b>511/14386</b>	<b>510/16911</b>	<b>581/20032</b>	<b>716/21384</b>	<b>4.0</b>	<b>3.6</b>	<b>3.0</b>	<b>2.9</b>	<b>3.3</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with unknown sex and male cases with unknown data on sex of sex partner.

**Table 1. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by sex and sexual behavior, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used erectile dysfunction medications</b>										
MSM	235/8740	225/9892	199/11217	183/12936	245/13941	2.7	2.3	1.8	1.4	1.8
MSW	24/1771	25/2021	23/2501	17/3045	25/3512	1.4	1.2	0.9	0.6	0.7
Women	1/1096	1/1349	4/1701	3/2247	4/2632	0.1	0.1	0.2	0.1	0.2
<b>US Total†</b>	<b>263/12422</b>	<b>255/14329</b>	<b>229/16802</b>	<b>204/20109</b>	<b>276/21574</b>	<b>2.1</b>	<b>1.8</b>	<b>1.4</b>	<b>1.0</b>	<b>1.3</b>
<b>Used other drug(s)</b>										
MSM	2234/8766	2499/9955	2858/11559	2924/13118	2891/14288	25.5	25.1	24.7	22.3	20.2
MSW	526/1775	610/2043	808/2589	930/3122	1012/3660	29.6	29.9	31.2	29.8	27.7
Women	255/1109	331/1363	423/1763	546/2305	603/2723	23.0	24.3	24.0	23.7	22.1
<b>US Total†</b>	<b>3068/12470</b>	<b>3544/14470</b>	<b>4139/17300</b>	<b>4458/20433</b>	<b>4565/22175</b>	<b>24.6</b>	<b>24.5</b>	<b>23.9</b>	<b>21.8</b>	<b>20.6</b>
<b>Used no drugs</b>										
MSM	5071/8727	5710/9877	6337/11098	7357/12593	7781/13518	58.1	57.8	57.1	58.4	57.6
MSW	982/1773	1096/2028	1287/2500	1523/3006	1739/3452	55.4	54.0	51.5	50.7	50.4
Women	660/1105	814/1356	949/1707	1213/2267	1375/2656	59.7	60.0	55.6	53.5	51.8
<b>US Total†</b>	<b>7287/12428</b>	<b>8337/14338</b>	<b>9438/16694</b>	<b>11196/19755</b>	<b>11830/21255</b>	<b>58.6</b>	<b>58.1</b>	<b>56.5</b>	<b>56.7</b>	<b>55.7</b>
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
MSM	342/9520	481/11093	466/12893	552/14419	582/15636	3.6	4.3	3.6	3.8	3.7
MSW	193/1963	216/2296	271/2906	342/3457	401/3972	9.8	9.4	9.3	9.9	10.1
Women	104/1226	135/1488	181/1871	246/2449	276/2863	8.5	9.1	9.7	10.0	9.6
<b>US Total†</b>	<b>652/13018</b>	<b>838/15322</b>	<b>922/18079</b>	<b>1154/20825</b>	<b>1269/23069</b>	<b>5.0</b>	<b>5.5</b>	<b>5.1</b>	<b>5.5</b>	<b>5.5</b>
<b>Had sex while high/intoxicated</b>										
MSM	2985/9284	3445/10780	3876/12497	4379/13941	4792/15233	32.2	32.0	31.0	31.4	31.5
MSW	756/1931	960/2262	1154/2838	1440/3347	1639/3879	39.2	42.4	40.7	43.0	42.3
Women	352/1205	432/1457	583/1833	829/2401	1045/2844	29.2	29.6	31.8	34.5	36.7
<b>US Total†</b>	<b>4177/12803</b>	<b>4868/15040</b>	<b>5637/17766</b>	<b>6692/20488</b>	<b>7508/22683</b>	<b>32.2</b>	<b>32.4</b>	<b>31.7</b>	<b>32.7</b>	<b>33.1</b>
<b>Had sex with person who injects drugs</b>										
MSM	368/8555	495/9983	537/11537	594/12855	725/14049	4.3	5.0	4.7	4.6	5.2
MSW	64/1801	119/2053	167/2628	201/3052	325/3499	3.6	5.8	6.4	6.6	9.3
Women	64/1157	113/1362	135/1710	217/2188	325/2615	5.5	8.3	7.9	9.9	12.4
<b>US Total†</b>	<b>499/11746</b>	<b>734/13751</b>	<b>847/16155</b>	<b>1015/18490</b>	<b>1380/20654</b>	<b>4.2</b>	<b>5.3</b>	<b>5.2</b>	<b>5.5</b>	<b>6.7</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with unknown sex and male cases with unknown data on sex of sex partner.

**Table 1. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by sex and sexual behavior, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex with anonymous partner</b>										
MSM	5405/9430	6510/10912	7355/12276	8511/13957	9346/15113	57.3	59.7	59.9	61.0	61.8
MSW	828/1929	988/2260	1256/2771	1493/3312	1670/3848	42.9	43.7	45.3	45.1	43.4
Women	219/1208	293/1469	350/1805	513/2406	621/2849	18.1	19.9	19.4	21.3	21.8
<b>US Total†</b>	<b>6500/12892</b>	<b>7935/15125</b>	<b>9035/17320</b>	<b>10612/20249</b>	<b>11730/22385</b>	<b>50.4</b>	<b>52.5</b>	<b>52.2</b>	<b>52.4</b>	<b>52.4</b>
<b>Had sex with an MSM (female cases only)</b>										
Women	35/1111	47/1287	69/1657	104/2139	128/2495	3.2	3.7	4.2	4.9	5.1
<b>Met a sex partner through the internet</b>										
MSM	3967/8867	4797/10300	5757/11975	6783/13027	7690/14289	44.7	46.6	48.1	52.1	53.8
MSW	168/1886	242/2168	303/2709	403/3099	508/3517	8.9	11.2	11.2	13.0	14.4
Women	96/1161	135/1422	163/1753	242/2231	306/2639	8.3	9.5	9.3	10.8	11.6
<b>US Total†</b>	<b>4269/12302</b>	<b>5264/14411</b>	<b>6296/17018</b>	<b>7497/19172</b>	<b>8592/21432</b>	<b>34.7</b>	<b>36.5</b>	<b>37.0</b>	<b>39.1</b>	<b>40.1</b>
<b>Had 0–1 sex partners</b>										
MSM	2484/9479	2788/10417	3356/11977	3464/13096	3873/14511	26.2	26.8	28.0	26.5	26.7
MSW	738/1995	824/2228	1080/2849	1278/3311	1487/3827	37.0	37.0	37.9	38.6	38.9
Women	583/1226	699/1442	925/1832	1180/2411	1411/2903	47.6	48.5	50.5	48.9	48.6
<b>US Total†</b>	<b>4213/13185</b>	<b>4867/14844</b>	<b>6019/17439</b>	<b>6926/20105</b>	<b>7705/22384</b>	<b>32.0</b>	<b>32.8</b>	<b>34.5</b>	<b>34.4</b>	<b>34.4</b>
<b>Had 2–5 sex partners</b>										
MSM	4714/9479	5146/10417	5882/11977	6311/13096	6790/14511	49.7	49.4	49.1	48.2	46.8
MSW	1089/1995	1199/2228	1504/2849	1727/3311	1972/3827	54.6	53.8	52.8	52.2	51.5
Women	553/1226	643/1442	781/1832	1022/2411	1282/2903	45.1	44.6	42.6	42.4	44.2
<b>US Total†</b>	<b>6418/13185</b>	<b>7137/14844</b>	<b>8267/17439</b>	<b>9297/20105</b>	<b>10215/22384</b>	<b>48.7</b>	<b>48.1</b>	<b>47.4</b>	<b>46.2</b>	<b>45.6</b>
<b>Had ≥6 sex partners</b>										
MSM	2281/9479	2483/10417	2739/11977	3321/13096	3848/14511	24.1	23.8	22.9	25.4	26.5
MSW	168/1995	205/2228	265/2849	306/3311	368/3827	8.4	9.2	9.3	9.2	9.6
Women	90/1226	100/1442	126/1832	209/2411	210/2903	7.3	6.9	6.9	8.7	7.2
<b>US Total†</b>	<b>2554/13185</b>	<b>2840/14844</b>	<b>3153/17439</b>	<b>3882/20105</b>	<b>4464/22384</b>	<b>19.4</b>	<b>19.1</b>	<b>18.1</b>	<b>19.3</b>	<b>19.9</b>
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
MSM	483/8947	525/10470	575/12118	669/13870	753/14820	5.4	5.0	4.7	4.8	5.1
MSW	363/1917	426/2256	496/2796	645/3348	831/3894	18.9	18.9	17.7	19.3	21.3

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with unknown sex and male cases with unknown data on sex of sex partner.

**Table 1. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by sex and sexual behavior, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
Women	136/1207	179/1458	221/1810	352/2398	419/2840	11.3	12.3	12.2	14.7	14.8
<b>US Total†</b>	<b>1019/12421</b>	<b>1174/14716</b>	<b>1332/17198</b>	<b>1711/20173</b>	<b>2043/22123</b>	<b>8.2</b>	<b>8.0</b>	<b>7.7</b>	<b>8.5</b>	<b>9.2</b>
<b>History of prior STD ever</b>										
MSM	4816/8794	5468/9530	6532/11061	7399/12129	8191/13310	54.8	57.4	59.1	61.0	61.5
MSW	633/1811	688/1930	841/2391	1084/2753	1190/3167	35.0	35.6	35.2	39.4	37.6
Women	515/1140	587/1286	764/1596	1055/2065	1294/2465	45.2	45.6	47.9	51.1	52.5
<b>US Total†</b>	<b>6543/12644</b>	<b>7447/13862</b>	<b>8975/16238</b>	<b>10505/18287</b>	<b>11531/20193</b>	<b>51.7</b>	<b>53.7</b>	<b>55.3</b>	<b>57.4</b>	<b>57.1</b>
<b>Living with HIV</b>										
MSM	4659/8796	5257/10120	5238/10635	6457/13727	6904/15171	53.0	52.0	49.3	47.0	45.5
MSW	192/1694	210/1916	230/2230	320/3002	312/3543	11.3	11.0	10.3	10.7	8.8
Women	58/1059	71/1266	52/1473	92/2230	124/2760	5.5	5.6	3.5	4.1	4.5
<b>US Total†</b>	<b>5576/12522</b>	<b>6422/14574</b>	<b>6453/15742</b>	<b>8154/21193</b>	<b>8563/23726</b>	<b>44.5</b>	<b>44.1</b>	<b>41.0</b>	<b>38.5</b>	<b>36.1</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with unknown sex and male cases with unknown data on sex of sex partner.

**Table 2a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by region, United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
West	191/1764	254/3150	241/3356	331/4300	480/5251	10.8	8.1	7.2	7.7	9.1
Midwest	54/2134	59/2303	84/2434	121/2844	155/3126	2.5	2.6	3.5	4.3	5.0
South	109/5630	180/6515	208/8251	255/8905	357/9737	1.9	2.8	2.5	2.9	3.7
Northeast	34/1693	41/2129	36/2511	38/3077	50/3163	2.0	1.9	1.4	1.2	1.6
<b>US Total</b>	<b>388/11221</b>	<b>534/14097</b>	<b>569/16552</b>	<b>745/19126</b>	<b>1042/21277</b>	<b>3.5</b>	<b>3.8</b>	<b>3.4</b>	<b>3.9</b>	<b>4.9</b>
<b>Used methamphetamine</b>										
West	632/3819	680/4518	716/5141	1070/6301	1243/7158	16.5	15.1	13.9	17.0	17.4
Midwest	79/1331	94/1504	125/1383	154/2309	203/2277	5.9	6.3	9.0	6.7	8.9
South	207/5240	289/6057	355/7680	448/8319	565/9071	4.0	4.8	4.6	5.4	6.2
Northeast	69/2099	73/2385	57/2819	66/3473	95/3442	3.3	3.1	2.0	1.9	2.8
<b>US Total</b>	<b>987/12489</b>	<b>1136/14464</b>	<b>1253/17023</b>	<b>1738/20402</b>	<b>2106/21948</b>	<b>7.9</b>	<b>7.9</b>	<b>7.4</b>	<b>8.5</b>	<b>9.6</b>
<b>Used heroin</b>										
West	40/3788	45/4499	53/5118	99/6228	162/7056	1.1	1.0	1.0	1.6	2.3
Midwest	9/1332	18/1504	14/1357	35/2311	31/2273	0.7	1.2	1.0	1.5	1.4
South	38/5241	62/6058	94/7670	120/8306	160/9051	0.7	1.0	1.2	1.4	1.8
Northeast	8/2102	6/2385	21/2818	25/3475	22/3442	0.4	0.3	0.7	0.7	0.6
<b>US Total</b>	<b>95/12463</b>	<b>131/14446</b>	<b>182/16963</b>	<b>279/20320</b>	<b>375/21822</b>	<b>0.8</b>	<b>0.9</b>	<b>1.1</b>	<b>1.4</b>	<b>1.7</b>
<b>Used cocaine</b>										
West	161/3788	180/4498	199/5117	216/6230	329/7046	4.3	4.0	3.9	3.5	4.7
Midwest	40/1330	58/1503	52/1372	63/2307	70/2274	3.0	3.9	3.8	2.7	3.1
South	201/5242	265/6063	325/7675	396/8319	357/9059	3.8	4.4	4.2	4.8	3.9
Northeast	56/2102	60/2385	55/2817	78/3475	69/3443	2.7	2.5	2.0	2.2	2.0
<b>US Total</b>	<b>458/12462</b>	<b>563/14449</b>	<b>631/16981</b>	<b>753/20331</b>	<b>825/21822</b>	<b>3.7</b>	<b>3.9</b>	<b>3.7</b>	<b>3.7</b>	<b>3.8</b>
<b>Used crack</b>										
West	39/3783	51/4498	45/5113	62/6221	52/7033	1.0	1.1	0.9	1.0	0.7
Midwest	16/1331	29/1505	22/1361	19/2309	16/2275	1.2	1.9	1.6	0.8	0.7
South	88/5245	117/6066	151/7675	146/8308	144/9055	1.7	1.9	2.0	1.8	1.6
Northeast	13/2012	21/2385	24/2817	18/3475	29/3442	0.6	0.9	0.9	0.5	0.8
<b>US Total</b>	<b>156/12461</b>	<b>218/14454</b>	<b>242/16966</b>	<b>245/20313</b>	<b>241/21805</b>	<b>1.3</b>	<b>1.5</b>	<b>1.4</b>	<b>1.2</b>	<b>1.1</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used nitrates/poppers</b>										
West	298/3772	286/4448	306/5062	314/6136	408/6951	7.9	6.4	6.0	5.1	5.9
Midwest	65/1330	84/1501	76/1405	101/2303	131/2251	4.9	5.6	5.4	4.4	5.8
South	79/5244	86/6052	90/7628	96/8119	115/8743	1.5	1.4	1.2	1.2	1.3
Northeast	57/2098	55/2385	38/2816	70/3474	62/3439	2.7	2.3	1.3	2.0	1.8
<b>US Total</b>	<b>499/12444</b>	<b>511/14386</b>	<b>510/16911</b>	<b>581/20032</b>	<b>716/21384</b>	<b>4.0</b>	<b>3.6</b>	<b>3.0</b>	<b>2.9</b>	<b>3.3</b>
<b>Used erectile dysfunction medications</b>										
West	185/3766	168/4420	145/5047	116/6148	185/6986	4.9	3.8	2.9	1.9	2.6
Midwest	16/1329	17/1498	15/1359	20/2298	20/2243	1.2	1.1	1.1	0.9	0.9
South	34/5230	45/6027	48/7583	41/8192	40/8908	0.7	0.7	0.6	0.5	0.4
Northeast	28/2097	25/2384	21/2813	27/3471	31/3437	1.3	1.0	0.7	0.8	0.9
<b>US Total</b>	<b>263/12422</b>	<b>255/14329</b>	<b>229/16802</b>	<b>204/20109</b>	<b>276/21574</b>	<b>2.1</b>	<b>1.8</b>	<b>1.4</b>	<b>1.0</b>	<b>1.3</b>
<b>Used other drug(s)</b>										
West	1107/3795	1164/4475	1196/5108	1316/6221	1625/7031	29.2	26.0	23.4	21.2	23.1
Midwest	529/1331	632/1501	725/1685	710/2307	562/2268	39.7	42.1	43.0	30.8	24.8
South	1261/5248	1560/6110	1996/7692	2200/8431	2142/9434	24.0	25.5	26.0	26.1	22.7
Northeast	171/2096	188/2384	222/2815	232/3474	236/3442	8.2	7.9	7.9	6.7	6.9
<b>US Total</b>	<b>3068/12470</b>	<b>3544/14470</b>	<b>4139/17300</b>	<b>4458/20433</b>	<b>4565/22175</b>	<b>24.6</b>	<b>24.5</b>	<b>23.9</b>	<b>21.8</b>	<b>20.6</b>
<b>Used no drugs</b>										
West	1965/3797	2376/4453	2695/5077	3426/6210	3811/7078	51.8	53.4	53.1	55.2	53.8
Midwest	494/1333	551/1505	580/1366	771/2079	736/2060	37.1	36.6	42.5	37.1	35.7
South	3230/5250	3577/6064	4224/7695	4625/8347	5019/9066	61.5	59.0	54.9	55.4	55.4
Northeast	1598/2048	1833/2316	1939/2556	2374/3119	2264/3051	78.0	79.1	75.9	76.1	74.2
<b>US Total</b>	<b>7287/12428</b>	<b>8337/14338</b>	<b>9438/16694</b>	<b>11196/19755</b>	<b>11830/21255</b>	<b>58.6</b>	<b>58.1</b>	<b>56.5</b>	<b>56.7</b>	<b>55.7</b>
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
West	193/3510	261/4264	261/4730	421/5834	416/6954	5.5	6.1	5.5	7.2	6.0
Midwest	128/2159	156/2350	141/2513	134/2959	151/3005	5.9	6.6	5.6	4.5	5.0
South	283/5673	332/6562	443/8339	496/8993	585/9945	5.0	5.1	5.3	5.5	5.9
Northeast	48/1676	89/2146	77/2497	103/3039	117/3165	2.9	4.1	3.1	3.4	3.7
<b>US Total</b>	<b>652/13018</b>	<b>838/15322</b>	<b>922/18079</b>	<b>1154/20825</b>	<b>1269/23069</b>	<b>5.0</b>	<b>5.5</b>	<b>5.1</b>	<b>5.5</b>	<b>5.5</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex while high/intoxicated</b>										
West	953/3341	1119/3968	1254/4460	1742/5571	2011/6412	28.5	28.2	28.1	31.3	31.4
Midwest	911/2143	1018/2368	1052/2500	1217/2953	1370/3209	42.5	43.0	42.1	41.2	42.7
South	1786/5646	2112/6559	2642/8308	2970/8928	3278/9895	31.6	32.2	31.8	33.3	33.1
Northeast	467/1673	619/2145	689/2498	763/3036	849/3167	27.9	28.9	27.6	25.1	26.8
<b>US Total</b>	<b>4177/12803</b>	<b>4868/15040</b>	<b>5637/17766</b>	<b>6692/20488</b>	<b>7508/22683</b>	<b>32.2</b>	<b>32.4</b>	<b>31.7</b>	<b>32.7</b>	<b>33.1</b>
<b>Had sex with person who injects drugs</b>										
West	217/2657	309/3355	300/3641	391/3960	530/4970	8.2	9.2	8.2	9.9	10.7
Midwest	93/2153	95/2337	113/2497	167/2948	256/3154	4.3	4.1	4.5	5.7	8.1
South	136/5291	271/5979	367/7634	381/8653	527/9498	2.6	4.5	4.8	4.4	5.5
Northeast	53/1645	59/2080	67/2383	76/2929	67/3032	3.2	2.8	2.8	2.6	2.2
<b>US Total</b>	<b>499/11746</b>	<b>734/13751</b>	<b>847/16155</b>	<b>1015/18490</b>	<b>1380/20654</b>	<b>4.2</b>	<b>5.3</b>	<b>5.2</b>	<b>5.5</b>	<b>6.7</b>
<b>Had sex with anonymous partner</b>										
West	1981/3653	2338/4346	2536/4954	3080/6103	3528/6991	54.2	53.8	51.2	50.5	50.5
Midwest	1057/2203	1239/2427	1359/2569	1668/3022	1756/3255	48.0	51.1	52.9	55.2	53.9
South	2620/5333	3185/6139	3783/7205	4254/7985	4772/8874	49.1	51.9	52.5	53.3	53.8
Northeast	842/1703	1173/2213	1357/2592	1610/3139	1674/3265	49.4	53.0	52.4	51.3	51.3
<b>US Total</b>	<b>6500/12892</b>	<b>7935/15125</b>	<b>9035/17320</b>	<b>10612/20249</b>	<b>11730/22385</b>	<b>50.4</b>	<b>52.5</b>	<b>52.2</b>	<b>52.4</b>	<b>52.4</b>
<b>Had sex with an MSM (female cases only)</b>										
West	11/191	21/270	28/359	54/601	56/677	5.8	7.8	7.8	9.0	8.3
Midwest	6/195	7/242	13/266	12/304	18/326	3.1	2.9	4.9	3.9	5.5
South	16/667	16/691	23/903	28/1055	46/1295	2.4	2.3	2.5	2.7	3.6
Northeast	2/58	3/84	5/129	10/179	8/197	3.4	3.6	3.9	5.6	4.1
<b>US Women Total</b>	<b>35/1111</b>	<b>47/1287</b>	<b>69/1657</b>	<b>104/2139</b>	<b>128/2495</b>	<b>3.2</b>	<b>3.7</b>	<b>4.2</b>	<b>4.9</b>	<b>5.1</b>
<b>Met a sex partner through the internet</b>										
West	1261/3028	1389/3609	1662/4303	1903/5128	2168/5780	41.6	38.5	38.6	37.1	37.5
Midwest	690/2034	792/2237	839/2515	1129/2749	1476/3167	33.9	35.4	33.4	41.1	46.6
South	1849/5606	2463/6711	3075/8196	3630/8905	4071/9965	33.0	36.7	37.5	40.8	40.9
Northeast	469/1634	620/1854	720/2004	835/2390	877/2520	28.7	33.4	35.9	34.9	34.8
<b>US Total</b>	<b>4269/12302</b>	<b>5264/14411</b>	<b>6296/17018</b>	<b>7497/19172</b>	<b>8592/21432</b>	<b>34.7</b>	<b>36.5</b>	<b>37.0</b>	<b>39.1</b>	<b>40.1</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 0–1 sex partners</b>										
West	1015/3703	1334/4421	1538/5081	2016/6106	2311/7155	27.4	30.2	30.3	33.0	32.3
Midwest	780/2209	780/2365	884/2628	1026/3103	1061/3263	35.3	33.0	33.6	33.1	32.5
South	1855/5631	1994/6015	2621/7299	2801/7980	3222/8975	32.9	33.2	35.9	35.1	35.9
Northeast	563/1642	759/2043	976/2431	1083/2916	1111/2991	34.3	37.2	40.1	37.1	37.1
<b>US Total</b>	<b>4213/13185</b>	<b>4867/14844</b>	<b>6019/17439</b>	<b>6926/20105</b>	<b>7705/22384</b>	<b>32.0</b>	<b>32.8</b>	<b>34.5</b>	<b>34.4</b>	<b>34.4</b>
<b>Had 2–5 sex partners</b>										
West	1671/3703	1984/4421	2355/5081	2696/6106	3141/7155	45.1	44.9	46.3	44.2	43.9
Midwest	1066/2209	1143/2365	1282/2628	1450/3103	1395/3263	48.3	48.3	48.8	46.7	42.8
South	2915/5631	3100/6015	3588/7299	3809/7980	4333/8975	51.8	51.5	49.2	47.7	48.3
Northeast	766/1642	910/2043	1042/2431	1342/2916	1346/2991	46.7	44.5	42.9	46.0	45.0
<b>US Total</b>	<b>6418/13185</b>	<b>7137/14844</b>	<b>8267/17439</b>	<b>9297/20105</b>	<b>10215/22384</b>	<b>48.7</b>	<b>48.1</b>	<b>47.4</b>	<b>46.2</b>	<b>45.6</b>
<b>Had ≥6 sex partners</b>										
West	1017/3703	1103/4421	1188/5081	1394/6106	1703/7155	27.5	24.9	23.4	22.8	23.8
Midwest	363/2209	442/2365	462/2628	627/3103	807/3263	16.4	18.7	17.6	20.2	24.7
South	861/5631	921/6015	1090/7299	1370/7980	1420/8975	15.3	15.3	14.9	17.2	15.8
Northeast	313/1642	374/2043	413/2431	491/2916	534/2991	19.1	18.3	17.0	16.8	17.9
<b>US Total</b>	<b>2554/13185</b>	<b>2840/14844</b>	<b>3153/17439</b>	<b>3882/20105</b>	<b>4464/22384</b>	<b>19.4</b>	<b>19.1</b>	<b>18.1</b>	<b>19.3</b>	<b>19.9</b>
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
West	250/2902	317/3685	323/3957	512/5215	660/6032	8.6	8.6	8.2	9.8	10.9
Midwest	130/2157	168/2348	167/2523	222/2956	247/3208	6.0	7.2	6.6	7.5	7.7
South	594/5687	636/6558	764/8307	869/8932	1019/9680	10.4	9.7	9.2	9.7	10.5
Northeast	45/1675	53/2125	78/2411	108/3070	117/3203	2.7	2.5	3.2	3.5	3.7
<b>US Total</b>	<b>1019/12421</b>	<b>1174/14716</b>	<b>1332/17198</b>	<b>1711/20173</b>	<b>2043/22123</b>	<b>8.2</b>	<b>8.0</b>	<b>7.7</b>	<b>8.5</b>	<b>9.2</b>
<b>History of prior STD ever</b>										
West	1830/3127	2311/3811	2652/4408	3451/5425	3767/6129	58.5	60.6	60.2	63.6	61.5
Midwest	886/2200	964/2215	955/2257	1279/2534	1370/2655	40.3	43.5	42.3	50.5	51.6
South	2765/5379	3001/5686	3966/7381	4092/7678	4562/8586	51.4	52.8	53.7	53.3	53.1
Northeast	1062/1938	1171/2150	1402/2192	1683/2650	1832/2823	54.8	54.5	64.0	63.5	64.9
<b>US Total</b>	<b>6543/12644</b>	<b>7447/13862</b>	<b>8975/16238</b>	<b>10505/18287</b>	<b>11531/20193</b>	<b>51.7</b>	<b>53.7</b>	<b>55.3</b>	<b>57.4</b>	<b>57.1</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Living with HIV</b>										
West	1464/3511	1700/4269	1305/3250	2283/6685	2362/7886	41.7	39.8	40.2	34.2	30.0
Midwest	963/2039	979/2215	995/2524	1238/2998	1303/3226	47.2	44.2	39.4	41.3	40.4
South	2150/5183	2723/6098	2939/7535	3204/8396	3466/9408	41.5	44.7	39.0	38.2	36.8
Northeast	999/1789	1020/1992	1214/2433	1429/3114	1432/3206	55.8	51.2	49.9	45.9	44.7
<b>US Total</b>	<b>5576/12522</b>	<b>6422/14574</b>	<b>6453/15742</b>	<b>8154/21193</b>	<b>8563/23726</b>	<b>44.5</b>	<b>44.1</b>	<b>41.0</b>	<b>38.5</b>	<b>36.1</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis by region, United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
West	150/1449	179/2474	152/2581	185/3026	214/3635	10.4	7.2	5.9	6.1	5.9
Midwest	41/1552	39/1553	53/1670	64/2047	89/2269	2.6	2.5	3.2	3.1	3.9
South	68/3782	110/4530	114/5634	135/5942	173/6323	1.8	2.4	2.0	2.3	2.7
Northeast	29/1350	37/1674	26/1946	22/2284	38/2302	2.1	2.2	1.3	1.0	1.7
<b>MSM Total</b>	<b>288/8133</b>	<b>365/10231</b>	<b>345/11831</b>	<b>406/13299</b>	<b>514/14529</b>	<b>3.5</b>	<b>3.6</b>	<b>2.9</b>	<b>3.1</b>	<b>3.5</b>
<b>Used methamphetamine</b>										
West	506/2965	487/3365	460/3666	578/4154	588/4731	17.1	14.5	12.5	13.9	12.4
Midwest	75/968	81/972	92/831	108/1508	135/1535	7.7	8.3	11.1	7.2	8.8
South	159/3498	230/4189	247/5195	291/5462	320/5765	4.5	5.5	4.8	5.3	5.6
Northeast	65/1347	69/1461	56/1662	62/1955	89/2040	4.8	4.7	3.4	3.2	4.4
<b>MSM Total</b>	<b>805/8778</b>	<b>867/9987</b>	<b>855/11354</b>	<b>1039/13079</b>	<b>1132/14071</b>	<b>9.2</b>	<b>8.7</b>	<b>7.5</b>	<b>7.9</b>	<b>8.0</b>
<b>Used heroin</b>										
West	28/2952	18/3354	22/3654	32/4121	46/4711	0.9	0.5	0.6	0.8	1.0
Midwest	8/968	6/972	5/804	12/1508	14/1530	0.8	0.6	0.6	0.8	0.9
South	15/3498	20/4187	35/5191	47/5452	43/5748	0.4	0.5	0.7	0.9	0.7
Northeast	6/1347	5/1461	16/1660	11/1957	14/2038	0.4	0.3	1.0	0.6	0.7
<b>MSM Total</b>	<b>57/8765</b>	<b>49/9974</b>	<b>78/11309</b>	<b>102/13038</b>	<b>117/14027</b>	<b>0.7</b>	<b>0.5</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>
<b>Used cocaine</b>										
West	138/2950	142/3353	153/3655	140/4121	214/4712	4.7	4.2	4.2	3.4	4.5
Midwest	37/966	38/971	34/816	49/1507	52/1531	3.8	3.9	4.2	3.3	3.4
South	116/3495	157/4188	200/5191	230/5462	176/5754	3.3	3.7	3.9	4.2	3.1
Northeast	52/1347	46/1461	41/1660	57/1957	55/2040	3.9	3.1	2.5	2.9	2.7
<b>MSM Total</b>	<b>343/8758</b>	<b>383/9973</b>	<b>428/11322</b>	<b>476/13047</b>	<b>497/14037</b>	<b>3.9</b>	<b>3.8</b>	<b>3.8</b>	<b>3.6</b>	<b>3.5</b>
<b>Used crack</b>										
West	25/2948	31/3352	26/3651	27/4115	19/4704	0.8	0.9	0.7	0.7	0.4
Midwest	9/867	12/973	6/805	9/1508	6/1531	0.9	1.2	0.7	0.6	0.4
South	36/3498	48/4188	72/5191	54/5452	42/5752	1.0	1.1	1.4	1.0	0.7
Northeast	7/1347	14/1461	16/1660	11/1957	19/2039	0.5	1.0	1.0	0.6	0.9
<b>MSM Total</b>	<b>77/8760</b>	<b>105/9974</b>	<b>120/11307</b>	<b>101/13032</b>	<b>86/14026</b>	<b>0.9</b>	<b>1.1</b>	<b>1.1</b>	<b>0.8</b>	<b>0.6</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used nitrates/poppers</b>										
West	290/2944	282/3312	288/3611	306/4066	398/4669	9.9	8.5	8.0	7.5	8.5
Midwest	64/966	80/970	75/855	100/1505	128/1525	6.6	8.2	8.8	6.6	8.4
South	71/3499	78/4184	73/5164	83/5358	99/5575	2.0	1.9	1.4	1.5	1.8
Northeast	56/1346	54/1461	37/1659	65/1956	57/2036	4.2	3.7	2.2	3.3	2.8
<b>MSM Total</b>	<b>481/8755</b>	<b>494/9927</b>	<b>473/11289</b>	<b>554/12885</b>	<b>682/13805</b>	<b>5.5</b>	<b>5.0</b>	<b>4.2</b>	<b>4.3</b>	<b>4.9</b>
<b>Used erectile dysfunction medications</b>										
West	174/2939	157/3297	131/3601	111/4075	168/4681	5.9	4.8	3.6	2.7	3.6
Midwest	12/965	14/968	13/809	18/1501	17/1521	1.2	1.4	1.6	1.2	1.1
South	22/3491	31/4166	37/5149	30/5407	31/5706	0.6	0.7	0.7	0.6	0.5
Northeast	27/1345	23/1461	18/1658	24/1953	29/2033	2.0	1.6	1.1	1.2	1.4
<b>MSM Total</b>	<b>235/8740</b>	<b>225/9892</b>	<b>199/11217</b>	<b>183/12936</b>	<b>245/13941</b>	<b>2.7</b>	<b>2.3</b>	<b>1.8</b>	<b>1.4</b>	<b>1.8</b>
<b>Used other drug(s)</b>										
West	903/2958	875/3332	867/3647	852/4119	1030/4705	30.5	26.3	23.8	20.7	21.9
Midwest	411/967	455/970	494/1057	519/1506	396/1531	42.5	46.9	46.7	34.5	25.9
South	786/3499	1017/4193	1325/5197	1376/5537	1277/6014	22.5	24.3	25.5	24.9	21.2
Northeast	134/1342	152/1460	172/1658	177/1956	188/2038	10.0	10.4	10.4	9.0	9.2
<b>MSM Total</b>	<b>2234/8766</b>	<b>2499/9955</b>	<b>2858/11559</b>	<b>2924/13118</b>	<b>2891/14288</b>	<b>25.5</b>	<b>25.1</b>	<b>24.7</b>	<b>22.3</b>	<b>20.2</b>
<b>Used no drugs</b>										
West	1537/2954	1799/3312	2016/3617	2477/4091	2711/4674	52.0	54.3	55.7	60.5	58.0
Midwest	357/966	344/969	371/809	563/1330	533/1372	37.0	35.5	45.9	42.3	38.8
South	2213/3501	2497/4190	2889/5205	3099/5478	3261/5689	63.2	59.6	55.5	56.6	57.3
Northeast	964/1306	1070/1406	1061/1467	1218/1694	1276/1783	73.8	76.1	72.3	71.9	71.6
<b>MSM Total</b>	<b>5071/8727</b>	<b>5710/9877</b>	<b>6337/11098</b>	<b>7357/12593</b>	<b>7781/13518</b>	<b>58.1</b>	<b>57.8</b>	<b>57.1</b>	<b>58.4</b>	<b>57.6</b>
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
West	122/2835	165/3296	144/3582	215/4097	193/4817	4.3	5.0	4.0	5.2	4.0
Midwest	74/1570	80/1575	66/1727	60/2122	78/2177	4.7	5.1	3.8	2.8	3.6
South	115/3776	174/4526	199/5656	216/5945	239/6341	3.0	3.8	3.5	3.6	3.8
Northeast	31/1339	62/1696	57/1928	61/2255	72/2301	2.3	3.7	3.0	2.7	3.1
<b>MSM Total</b>	<b>342/9520</b>	<b>481/11093</b>	<b>466/12893</b>	<b>552/14419</b>	<b>582/15636</b>	<b>3.6</b>	<b>4.3</b>	<b>3.6</b>	<b>3.8</b>	<b>3.7</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex while high/intoxicated</b>										
West	741/2619	794/2983	844/3218	1060/3681	1143/4308	28.3	26.6	26.2	28.8	26.5
Midwest	667/1561	706/1592	671/1712	821/2117	973/2318	42.7	44.3	39.2	38.8	42.0
South	1179/3768	1440/4513	1809/5636	1916/5893	2025/6308	31.3	31.9	32.1	32.5	32.1
Northeast	398/1336	505/1692	552/1931	582/2250	651/2299	29.8	29.9	28.6	25.9	28.3
<b>MSM Total</b>	<b>2985/9284</b>	<b>3445/10780</b>	<b>3876/12497</b>	<b>4379/13941</b>	<b>4792/15233</b>	<b>32.2</b>	<b>32.0</b>	<b>31.0</b>	<b>31.4</b>	<b>31.5</b>
<b>Had sex with person who injects drugs</b>										
West	170/2111	202/2576	179/2739	207/2802	261/3459	8.1	7.8	6.5	7.4	7.5
Midwest	73/1566	64/1576	70/1719	101/2119	144/2288	4.7	4.1	4.1	4.8	6.3
South	75/3561	185/4197	234/5241	225/5760	271/6105	2.1	4.4	4.5	3.9	4.4
Northeast	50/1317	44/1634	54/1838	61/2174	49/2197	3.8	2.7	2.9	2.8	2.2
<b>MSM Total</b>	<b>368/8555</b>	<b>495/9983</b>	<b>537/11537</b>	<b>594/12855</b>	<b>725/14049</b>	<b>4.3</b>	<b>5.0</b>	<b>4.7</b>	<b>4.6</b>	<b>5.2</b>
<b>Had sex with anonymous partner</b>										
West	1721/2875	1983/3280	2101/3607	2441/4153	2777/4698	59.9	60.5	58.2	58.8	59.1
Midwest	883/1609	989/1634	1077/1760	1365/2169	1465/2349	54.9	60.5	61.2	62.9	62.4
South	2060/3581	2505/4248	2976/4900	3325/5296	3713/5690	57.5	59.0	60.7	62.8	65.3
Northeast	741/1365	1033/1750	1201/2009	1380/2339	1391/2376	54.3	59.0	59.8	59.0	58.5
<b>MSM Total</b>	<b>5405/9430</b>	<b>6510/10912</b>	<b>7355/12276</b>	<b>8511/13957</b>	<b>9346/15113</b>	<b>57.3</b>	<b>59.7</b>	<b>59.9</b>	<b>61.0</b>	<b>61.8</b>
<b>Met a sex partner through the internet</b>										
West	1202/2369	1292/2731	1545/3211	1731/3586	1970/3991	50.7	47.3	48.1	48.3	49.4
Midwest	645/1468	714/1506	766/1671	1053/1812	1353/2204	43.9	47.4	45.8	58.1	61.4
South	1672/3726	2203/4600	2767/5531	3215/5852	3555/6252	44.9	47.9	50.0	54.9	56.9
Northeast	448/1304	588/1463	679/1562	784/1777	812/1842	34.4	40.2	43.5	44.1	44.1
<b>MSM Total</b>	<b>3967/8867</b>	<b>4797/10300</b>	<b>5757/11975</b>	<b>6783/13027</b>	<b>7690/14289</b>	<b>44.7</b>	<b>46.6</b>	<b>48.1</b>	<b>52.1</b>	<b>53.8</b>
<b>Had 0–1 sex partners</b>										
West	569/2843	726/3274	805/3632	888/3938	994/4583	20.0	22.2	22.2	22.5	21.7
Midwest	482/1603	430/1604	468/1747	551/2139	570/2297	30.1	26.8	26.8	25.8	24.8
South	1057/3743	1149/3976	1471/4788	1401/4940	1649/5540	28.2	28.9	30.7	28.4	29.8
Northeast	376/1290	483/1563	612/1810	624/2079	660/2091	29.1	30.9	33.8	30.0	31.6
<b>MSM Total</b>	<b>2484/9479</b>	<b>2788/10417</b>	<b>3356/11977</b>	<b>3464/13096</b>	<b>3873/14511</b>	<b>26.2</b>	<b>26.8</b>	<b>28.0</b>	<b>26.5</b>	<b>26.7</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 2–5 sex partners</b>										
West	1327/2843	1532/3274	1772/3632	1858/3938	2085/4583	46.7	46.8	48.8	47.2	45.5
Midwest	808/1603	801/1604	887/1747	1029/2139	1007/2297	50.4	49.9	50.8	48.1	43.8
South	1958/3743	2069/3976	2399/4788	2405/4940	2733/5540	52.3	52.0	50.1	48.7	49.3
Northeast	621/1290	744/1563	824/1810	1019/2079	965/2091	48.1	47.6	45.5	49.0	46.2
<b>MSM Total</b>	<b>4714/9479</b>	<b>5146/10417</b>	<b>5882/11977</b>	<b>6311/13096</b>	<b>6790/14511</b>	<b>49.7</b>	<b>49.4</b>	<b>49.1</b>	<b>48.2</b>	<b>46.8</b>
<b>Had ≥6 sex partners</b>										
West	947/2843	1016/3274	1055/3632	1192/3938	1504/4583	33.3	31.0	29.0	30.3	32.8
Midwest	313/1603	373/1604	392/1747	559/2139	720/2297	19.5	23.3	22.4	26.1	31.3
South	728/3743	758/3976	918/4788	1134/4940	1158/5540	19.4	19.1	19.2	23.0	20.9
Northeast	293/1290	336/1563	374/1810	436/2079	466/2091	22.7	21.5	20.7	21.0	22.3
<b>MSM Total</b>	<b>2281/9479</b>	<b>2483/10417</b>	<b>2739/11977</b>	<b>3321/13096</b>	<b>3848/14511</b>	<b>24.1</b>	<b>23.8</b>	<b>22.9</b>	<b>25.4</b>	<b>26.5</b>
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
West	124/2260	129/2727	122/2872	161/3523	174/3954	5.5	4.7	4.2	4.6	4.4
Midwest	58/1559	68/1571	63/1733	82/2121	102/2321	3.7	4.3	3.6	3.9	4.4
South	270/3790	303/4501	350/5637	383/5945	424/6215	7.1	6.7	6.2	6.4	6.8
Northeast	31/1338	25/1671	40/1876	43/2281	53/2330	2.3	1.5	2.1	1.9	2.3
<b>MSM Total</b>	<b>483/8947</b>	<b>525/10470</b>	<b>575/12118</b>	<b>669/13870</b>	<b>753/14820</b>	<b>5.4</b>	<b>5.0</b>	<b>4.7</b>	<b>4.8</b>	<b>5.1</b>
<b>History of prior STD ever</b>										
West	1450/2399	1787/2798	1969/3151	2431/3627	2675/4099	60.4	63.9	62.5	67.0	65.3
Midwest	628/1487	633/1370	625/1469	968/1775	1012/1894	42.2	46.2	42.5	54.5	53.4
South	1943/3496	2178/3801	2857/4808	2795/4854	3140/5301	55.6	57.3	59.4	57.6	59.2
Northeast	795/1412	870/1561	1081/1633	1205/1873	1364/2016	56.3	55.7	66.2	64.3	67.7
<b>MSM Total</b>	<b>4816/8794</b>	<b>5468/9530</b>	<b>6532/11061</b>	<b>7399/12129</b>	<b>8191/13310</b>	<b>54.8</b>	<b>57.4</b>	<b>59.1</b>	<b>61.0</b>	<b>61.5</b>
<b>Living with HIV</b>										
West	1259/2701	1459/3210	1065/2420	1854/4457	1961/5049	46.6	45.5	44.0	41.6	38.8
Midwest	822/1460	790/1475	814/1648	1063/2126	1135/2320	56.3	53.6	49.4	50.0	48.9
South	1866/3399	2322/4140	2522/4940	2609/5192	2767/5666	54.9	56.1	51.1	50.3	48.8
Northeast	712/1236	686/1295	837/1627	931/1952	1041/2136	57.6	53.0	51.4	47.7	48.7
<b>MSM Total</b>	<b>4659/8796</b>	<b>5257/10120</b>	<b>5238/10635</b>	<b>6457/13727</b>	<b>6904/15171</b>	<b>53.0</b>	<b>52.0</b>	<b>49.3</b>	<b>47.0</b>	<b>45.5</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis by region, United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
West	18/176	34/402	39/443	69/676	118/908	10.2	8.5	8.8	10.2	13.0
Midwest	3/317	6/397	13/465	24/459	22/469	0.9	1.5	2.8	5.2	4.7
South	24/1060	35/1082	39/1475	51/1634	85/1822	2.3	3.2	2.6	3.1	4.7
Northeast	3/183	3/235	5/291	8/397	5/436	1.6	1.3	1.7	2.0	1.1
<b>MSW Total</b>	<b>48/1736</b>	<b>78/2116</b>	<b>96/2674</b>	<b>152/3166</b>	<b>230/3635</b>	<b>2.8</b>	<b>3.7</b>	<b>3.6</b>	<b>4.8</b>	<b>6.3</b>
<b>Used methamphetamine</b>										
West	55/410	112/574	121/669	232/934	313/1254	13.4	19.5	18.1	24.8	25.0
Midwest	2/187	6/249	20/247	27/319	36/311	1.1	2.4	8.1	8.5	11.6
South	29/1001	31/1019	52/1386	86/1539	130/1700	2.9	3.0	3.8	5.6	7.6
Northeast	2/181	2/199	1/243	2/324	3/363	1.1	1.0	0.4	0.6	0.8
<b>MSW Total</b>	<b>88/1779</b>	<b>151/2041</b>	<b>194/2545</b>	<b>347/3116</b>	<b>482/3628</b>	<b>5.0</b>	<b>7.4</b>	<b>7.6</b>	<b>11.1</b>	<b>13.3</b>
<b>Used heroin</b>										
West	4/403	12/572	16/667	26/918	48/1222	1.0	2.1	2.4	2.8	3.9
Midwest	0/188	4/249	2/247	9/319	7/311	0.0	1.6	0.8	2.8	2.3
South	9/1001	21/1020	23/1384	24/1535	40/1702	0.9	2.1	1.7	1.6	2.4
Northeast	2/181	0/199	3/243	7/324	2/365	1.1	0.0	1.2	2.2	0.5
<b>MSW Total</b>	<b>15/1773</b>	<b>37/2040</b>	<b>44/2541</b>	<b>66/3096</b>	<b>97/3600</b>	<b>0.8</b>	<b>1.8</b>	<b>1.7</b>	<b>2.1</b>	<b>2.7</b>
<b>Used cocaine</b>										
West	13/403	28/572	32/667	47/921	67/1217	3.2	4.9	4.8	5.1	5.5
Midwest	1/188	11/249	8/247	5/318	12/311	0.5	4.4	3.2	1.6	3.9
South	47/1005	59/1023	74/1389	89/1535	87/1699	4.7	5.8	5.3	5.8	5.1
Northeast	3/181	9/199	11/243	8/324	6/364	1.7	4.5	4.5	2.5	1.6
<b>MSW Total</b>	<b>64/1777</b>	<b>107/2043</b>	<b>125/2546</b>	<b>149/3098</b>	<b>172/3591</b>	<b>3.6</b>	<b>5.2</b>	<b>4.9</b>	<b>4.8</b>	<b>4.8</b>
<b>Used crack</b>										
West	6/401	9/572	10/668	17/920	22/1215	1.5	1.6	1.5	1.8	1.8
Midwest	1/188	7/249	5/247	3/318	8/311	0.5	2.8	2.0	0.9	2.6
South	26/1004	25/1024	33/1388	37/1535	33/1700	2.6	2.4	2.4	2.4	1.9
Northeast	3/181	4/199	4/243	4/324	5/364	1.7	2.0	1.6	1.2	1.4
<b>MSW Total</b>	<b>36/1774</b>	<b>45/2044</b>	<b>52/2546</b>	<b>61/3097</b>	<b>68/3590</b>	<b>2.0</b>	<b>2.2</b>	<b>2.0</b>	<b>2.0</b>	<b>1.9</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used nitrates/poppers</b>										
West	2/400	1/566	10/661	3/902	3/1188	0.5	0.2	1.5	0.3	0.3
Midwest	0/188	2/248	1/246	0/319	0/305	0.0	0.8	0.4	0.0	0.0
South	3/1003	3/1019	9/1374	6/1486	8/1618	0.3	0.3	0.7	0.4	0.5
Northeast	0/181	0/199	1/243	1/324	1/364	0.0	0.0	0.4	0.3	0.3
<b>MSW Total</b>	<b>5/1772</b>	<b>6/2032</b>	<b>21/2524</b>	<b>10/3031</b>	<b>12/3475</b>	<b>0.3</b>	<b>0.3</b>	<b>0.8</b>	<b>0.3</b>	<b>0.3</b>
<b>Used erectile dysfunction medications</b>										
West	9/401	10/558	10/653	5/902	14/1195	2.2	1.8	1.5	0.6	1.2
Midwest	3/188	1/247	2/245	2/317	3/302	1.6	0.4	0.8	0.6	1.0
South	11/1001	14/1018	10/1361	8/1502	7/1650	1.1	1.4	0.7	0.5	0.4
Northeast	1/181	0/198	1/242	2/324	1/365	0.6	0.0	0.4	0.6	0.3
<b>MSW Total</b>	<b>24/1771</b>	<b>25/2021</b>	<b>23/2501</b>	<b>17/3045</b>	<b>25/3512</b>	<b>1.4</b>	<b>1.2</b>	<b>0.9</b>	<b>0.6</b>	<b>0.7</b>
<b>Used other drug(s)</b>										
West	111/402	165/569	194/661	255/917	365/1217	27.6	29.0	29.3	27.8	30.0
Midwest	78/188	112/249	152/295	123/320	105/309	41.5	45.0	51.5	38.4	34.0
South	307/1004	308/1026	428/1390	517/1560	512/1769	30.6	30.0	30.8	33.1	28.9
Northeast	30/181	25/199	34/243	35/325	30/365	16.6	12.6	14.0	10.8	8.2
<b>MSW Total</b>	<b>526/1775</b>	<b>610/2043</b>	<b>808/2589</b>	<b>930/3122</b>	<b>1012/3660</b>	<b>29.6</b>	<b>29.9</b>	<b>31.2</b>	<b>29.8</b>	<b>27.7</b>
<b>Used no drugs</b>										
West	220/405	285/565	336/655	464/921	609/1237	54.3	50.4	51.3	50.4	49.2
Midwest	66/190	100/250	109/250	112/290	95/286	34.7	40.0	43.6	38.6	33.2
South	566/1005	568/1024	714/1394	769/1534	836/1652	56.3	55.5	51.2	50.1	50.6
Northeast	130/173	143/189	128/201	178/261	199/277	75.1	75.7	63.7	68.2	71.8
<b>MSW Total</b>	<b>982/1773</b>	<b>1096/2028</b>	<b>1287/2500</b>	<b>1523/3006</b>	<b>1739/3452</b>	<b>55.4</b>	<b>54.0</b>	<b>51.5</b>	<b>50.7</b>	<b>50.4</b>
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
West	42/397	66/578	63/661	110/939	137/1240	10.6	11.4	9.5	11.7	11.0
Midwest	30/321	45/407	49/474	41/487	43/463	9.3	11.1	10.3	8.4	9.3
South	109/1062	84/1079	148/1478	167/1637	195/1827	10.3	7.8	10.0	10.2	10.7
Northeast	12/183	21/232	11/293	24/394	26/442	6.6	9.1	3.8	6.1	5.9
<b>MSW Total</b>	<b>193/1963</b>	<b>216/2296</b>	<b>271/2906</b>	<b>342/3457</b>	<b>401/3972</b>	<b>9.8</b>	<b>9.4</b>	<b>9.3</b>	<b>9.9</b>	<b>10.1</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex while high/intoxicated</b>										
West	137/378	215/524	247/598	384/836	503/1126	36.2	41.0	41.3	45.9	44.7
Midwest	159/317	208/414	258/475	246/488	238/492	50.2	50.2	54.3	50.4	48.4
South	406/1052	451/1090	545/1474	673/1624	761/1818	38.6	41.4	37.0	41.4	41.9
Northeast	54/184	86/234	104/291	137/399	137/443	29.3	36.8	35.7	34.3	30.9
<b>MSW Total</b>	<b>756/1931</b>	<b>960/2262</b>	<b>1154/2838</b>	<b>1440/3347</b>	<b>1639/3879</b>	<b>39.2</b>	<b>42.4</b>	<b>40.7</b>	<b>43.0</b>	<b>42.3</b>
<b>Had sex with person who injects drugs</b>										
West	19/311	56/447	61/516	80/615	126/846	6.1	12.5	11.8	13.0	14.9
Midwest	8/320	14/400	29/466	29/484	55/479	2.5	3.5	6.2	6.0	11.5
South	34/992	44/976	71/1369	84/1578	133/1754	3.4	4.5	5.2	5.3	7.6
Northeast	3/178	5/230	6/277	8/375	11/420	1.7	2.2	2.2	2.1	2.6
<b>MSW Total</b>	<b>64/1801</b>	<b>119/2053</b>	<b>167/2628</b>	<b>201/3052</b>	<b>325/3499</b>	<b>3.6</b>	<b>5.8</b>	<b>6.4</b>	<b>6.6</b>	<b>9.3</b>
<b>Had sex with anonymous partner</b>										
West	196/415	259/594	317/688	429/969	529/1288	47.2	43.6	46.1	44.3	41.1
Midwest	132/325	191/421	217/486	230/492	204/498	40.6	45.4	44.7	46.7	41.0
South	420/1007	431/1005	601/1295	656/1448	721/1610	41.7	42.9	46.4	45.3	44.8
Northeast	80/182	107/240	121/302	178/403	216/452	44.0	44.6	40.1	44.2	47.8
<b>MSW Total</b>	<b>828/1929</b>	<b>988/2260</b>	<b>1256/2771</b>	<b>1493/3312</b>	<b>1670/3848</b>	<b>42.9</b>	<b>43.7</b>	<b>45.3</b>	<b>45.1</b>	<b>43.4</b>
<b>Met a sex partner through the internet</b>										
West	29/357	56/516	59/623	81/820	106/1007	8.1	10.9	9.5	9.9	10.5
Midwest	28/301	43/369	36/419	43/393	66/438	9.3	11.7	8.6	10.9	15.1
South	99/1050	128/1093	187/1461	252/1616	298/1791	9.4	11.7	12.8	15.6	16.6
Northeast	12/178	15/190	21/206	27/270	38/281	6.7	7.9	10.2	10.0	13.5
<b>MSW Total</b>	<b>168/1886</b>	<b>242/2168</b>	<b>303/2709</b>	<b>403/3099</b>	<b>508/3517</b>	<b>8.9</b>	<b>11.2</b>	<b>11.2</b>	<b>13.0</b>	<b>14.4</b>
<b>Had 0–1 sex partners</b>										
West	160/436	228/594	271/740	392/994	514/1259	36.7	38.4	36.6	39.4	40.8
Midwest	136/320	153/421	177/487	195/495	205/479	42.5	36.3	36.3	39.4	42.8
South	379/1064	348/997	507/1330	531/1441	630/1690	35.6	34.9	38.1	36.8	37.3
Northeast	63/175	95/216	125/292	160/381	138/399	36.0	44.0	42.8	42.0	34.6
<b>MSW Total</b>	<b>738/1995</b>	<b>824/2228</b>	<b>1080/2849</b>	<b>1278/3311</b>	<b>1487/3827</b>	<b>37.0</b>	<b>37.0</b>	<b>37.9</b>	<b>38.6</b>	<b>38.9</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 2–5 sex partners</b>										
West	232/436	304/594	381/740	490/994	622/1259	53.2	51.2	51.5	49.3	49.4
Midwest	154/320	226/421	269/487	271/495	224/479	48.1	53.7	55.2	54.7	46.8
South	606/1064	570/997	713/1330	772/1441	905/1690	57.0	57.2	53.6	53.6	53.6
Northeast	97/175	99/216	141/292	194/381	221/399	55.4	45.8	48.3	50.9	55.4
<b>MSW Total</b>	<b>1089/1995</b>	<b>1199/2228</b>	<b>1504/2849</b>	<b>1727/3311</b>	<b>1972/3827</b>	<b>54.6</b>	<b>53.8</b>	<b>52.8</b>	<b>52.2</b>	<b>51.5</b>
<b>Had ≥6 sex partners</b>										
West	44/436	62/594	88/740	112/994	123/1259	10.1	10.4	11.9	11.3	9.8
Midwest	30/320	42/421	41/487	29/495	50/479	9.4	10.0	8.4	5.9	10.4
South	79/1064	79/997	110/1330	138/1441	155/1690	7.4	7.9	8.3	9.6	9.2
Northeast	15/175	22/216	26/292	27/381	40/399	8.6	10.2	8.9	7.1	10.0
<b>MSW Total</b>	<b>168/1995</b>	<b>205/2228</b>	<b>265/2849</b>	<b>306/3311</b>	<b>368/3827</b>	<b>8.4</b>	<b>9.2</b>	<b>9.3</b>	<b>9.2</b>	<b>9.6</b>
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
West	65/354	125/535	109/592	184/848	300/1158	18.4	23.4	18.4	21.7	25.9
Midwest	52/323	66/411	76/465	97/485	85/486	16.1	16.1	16.3	20.0	17.5
South	237/1059	213/1079	283/1465	319/1620	396/1807	22.4	19.7	19.3	19.7	21.9
Northeast	9/181	22/231	28/274	45/395	50/443	5.0	9.5	10.2	11.4	11.3
<b>MSW Total</b>	<b>363/1917</b>	<b>426/2256</b>	<b>496/2796</b>	<b>645/3348</b>	<b>831/3894</b>	<b>18.9</b>	<b>18.9</b>	<b>17.7</b>	<b>19.3</b>	<b>21.3</b>
<b>History of prior STD ever</b>										
West	113/322	163/450	180/530	320/738	385/945	35.1	36.2	34.0	43.4	40.7
Midwest	99/303	122/324	119/340	119/339	130/336	32.7	37.7	35.0	35.1	38.7
South	358/1003	327/949	450/1307	516/1397	540/1594	35.7	34.5	34.4	36.9	33.9
Northeast	63/183	76/207	92/214	129/279	135/292	34.4	36.7	43.0	46.2	46.2
<b>MSW Total</b>	<b>633/1811</b>	<b>688/1930</b>	<b>841/2391</b>	<b>1084/2753</b>	<b>1190/3167</b>	<b>35.0</b>	<b>35.6</b>	<b>35.2</b>	<b>39.4</b>	<b>37.6</b>
<b>Living with HIV</b>										
West	31/357	42/483	32/338	74/889	81/1264	8.7	8.7	9.5	8.3	6.4
Midwest	31/256	32/319	25/403	45/397	41/375	12.1	10.0	6.2	11.3	10.9
South	106/934	108/936	139/1290	149/1415	148/1593	11.3	11.5	10.8	10.5	9.3
Northeast	24/147	28/178	34/199	52/301	42/311	16.3	15.7	17.1	17.3	13.5
<b>MSW Total</b>	<b>192/1694</b>	<b>210/1916</b>	<b>230/2230</b>	<b>320/3002</b>	<b>312/3543</b>	<b>11.3</b>	<b>11.0</b>	<b>10.3</b>	<b>10.7</b>	<b>8.8</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis by region, United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
West	19/110	36/185	47/276	73/502	134/632	17.3	19.5	17.0	14.5	21.2
Midwest	9/201	12/240	17/263	33/310	43/345	4.5	5.0	6.5	10.6	12.5
South	16/716	32/786	53/1016	67/1205	98/1470	2.2	4.1	5.2	5.6	6.7
Northeast	0/82	1/118	2/146	6/197	6/230	0.0	0.8	1.4	3.0	2.6
<b>Women Total</b>	<b>44/1109</b>	<b>81/1329</b>	<b>119/1701</b>	<b>179/2214</b>	<b>281/2677</b>	<b>4.0</b>	<b>6.1</b>	<b>7.0</b>	<b>8.1</b>	<b>10.5</b>
<b>Used methamphetamine</b>										
West	50/230	63/328	119/444	230/749	310/892	21.7	19.2	26.8	30.7	34.8
Midwest	1/118	6/178	11/166	18/233	31/238	0.8	3.4	6.6	7.7	13.0
South	18/672	22/734	54/975	68/1135	112/1402	2.7	3.0	5.5	6.0	8.0
Northeast	0/86	1/121	0/150	1/194	3/214	0.0	0.8	0.0	0.5	1.4
<b>Women Total</b>	<b>69/1106</b>	<b>92/1361</b>	<b>184/1735</b>	<b>317/2311</b>	<b>456/2746</b>	<b>6.2</b>	<b>6.8</b>	<b>10.6</b>	<b>13.7</b>	<b>16.6</b>
<b>Used heroin</b>										
West	8/229	15/325	15/439	40/736	67/857	3.5	4.6	3.4	5.4	7.8
Midwest	1/118	8/178	7/167	14/235	9/238	0.8	4.5	4.2	6.0	3.8
South	14/673	18/735	36/972	49/1136	75/1399	2.1	2.4	3.7	4.3	5.4
Northeast	0/88	1/121	1/150	6/194	5/214	0.0	0.8	0.7	3.1	2.3
<b>Women Total</b>	<b>23/1108</b>	<b>42/1359</b>	<b>59/1728</b>	<b>109/2301</b>	<b>156/2708</b>	<b>2.1</b>	<b>3.1</b>	<b>3.4</b>	<b>4.7</b>	<b>5.8</b>
<b>Used cocaine</b>										
West	9/228	7/325	14/437	28/736	45/850	3.9	2.2	3.2	3.8	5.3
Midwest	1/118	9/178	9/170	9/233	5/238	0.8	5.1	5.3	3.9	2.1
South	38/673	46/736	48/973	71/1139	92/1403	5.6	6.3	4.9	6.2	6.6
Northeast	0/88	5/121	1/150	10/194	8/214	0.0	4.1	0.7	5.2	3.7
<b>Women Total</b>	<b>48/1107</b>	<b>67/1360</b>	<b>72/1730</b>	<b>118/2302</b>	<b>150/2705</b>	<b>4.3</b>	<b>4.9</b>	<b>4.2</b>	<b>5.1</b>	<b>5.5</b>
<b>Used crack</b>										
West	8/228	10/325	9/436	18/734	10/848	3.5	3.1	2.1	2.5	1.2
Midwest	6/118	10/178	11/170	7/234	2/238	5.1	5.6	6.5	3.0	0.8
South	25/674	42/738	46/973	54/1138	69/1401	3.7	5.7	4.7	4.7	4.9
Northeast	3/88	3/121	2/150	3/194	5/214	3.4	2.5	1.3	1.5	2.3
<b>Women Total</b>	<b>42/1108</b>	<b>65/1362</b>	<b>68/1729</b>	<b>82/2300</b>	<b>86/2701</b>	<b>3.8</b>	<b>4.8</b>	<b>3.9</b>	<b>3.6</b>	<b>3.2</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used nitrates/poppers</b>										
West	2/225	3/323	6/434	4/717	6/829	0.9	0.9	1.4	0.6	0.7
Midwest	0/118	1/178	0/165	1/230	0/227	0.0	0.6	0.0	0.4	0.0
South	5/673	5/734	8/968	6/1092	8/1348	0.7	0.7	0.8	0.5	0.6
Northeast	0/86	1/121	0/150	2/194	2/214	0.0	0.8	0.0	1.0	0.9
<b>Women Total</b>	<b>7/1102</b>	<b>10/1356</b>	<b>14/1717</b>	<b>13/2233</b>	<b>16/2618</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.6</b>	<b>0.6</b>
<b>Used erectile dysfunction medications</b>										
West	1/223	0/321	3/436	0/722	1/844	0.4	0.0	0.7	0.0	0.1
Midwest	0/118	1/178	0/166	0/231	0/226	0.0	0.6	0.0	0.0	0.0
South	0/669	0/729	1/950	2/1100	2/1348	0.0	0.0	0.1	0.2	0.1
Northeast	0/86	0/121	0/149	1/194	1/214	0.0	0.0	0.0	0.5	0.5
<b>Women Total</b>	<b>1/1096</b>	<b>1/1349</b>	<b>4/1701</b>	<b>3/2247</b>	<b>4/2632</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>
<b>Used other drug(s)</b>										
West	53/228	71/325	117/442	185/729	205/836	23.2	21.8	26.5	25.4	24.5
Midwest	38/118	62/177	71/193	66/232	56/234	32.2	35.0	36.8	28.4	23.9
South	159/676	187/740	223/978	282/1151	328/1439	23.5	25.3	22.8	24.5	22.8
Northeast	5/87	11/121	12/150	13/193	14/214	5.7	9.1	8.0	6.7	6.5
<b>Women Total</b>	<b>255/1109</b>	<b>331/1363</b>	<b>423/1763</b>	<b>546/2305</b>	<b>603/2723</b>	<b>23.0</b>	<b>24.3</b>	<b>24.0</b>	<b>23.7</b>	<b>22.1</b>
<b>Used no drugs</b>										
West	122/229	180/326	229/442	379/733	400/881	53.3	55.2	51.8	51.7	45.4
Midwest	56/117	91/179	80/167	81/213	85/211	47.9	50.8	47.9	38.0	40.3
South	415/675	452/734	551/973	625/1152	773/1396	61.5	61.6	56.6	54.3	55.4
Northeast	67/84	91/117	89/125	128/169	117/168	79.8	77.8	71.2	75.7	69.6
<b>Women Total</b>	<b>660/1105</b>	<b>814/1356</b>	<b>949/1707</b>	<b>1213/2267</b>	<b>1375/2656</b>	<b>59.7</b>	<b>60.0</b>	<b>55.6</b>	<b>53.5</b>	<b>51.8</b>
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
West	24/222	28/319	53/421	91/724	83/837	10.8	8.8	12.6	12.8	9.9
Midwest	19/203	31/257	26/276	33/323	29/326	9.4	12.1	9.4	10.2	8.9
South	56/720	73/792	95/1026	108/1207	147/1470	7.8	9.2	9.3	8.9	10.0
Northeast	5/81	3/120	7/148	14/195	17/230	6.2	2.5	4.7	7.2	7.4
<b>Women Total</b>	<b>104/1226</b>	<b>135/1488</b>	<b>181/1871</b>	<b>246/2449</b>	<b>276/2863</b>	<b>8.5</b>	<b>9.1</b>	<b>9.7</b>	<b>10.0</b>	<b>9.6</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex while high/intoxicated</b>										
West	63/211	95/299	154/386	279/679	352/795	29.9	31.8	39.9	41.1	44.3
Midwest	82/202	101/250	116/278	148/321	152/358	40.6	40.4	41.7	46.1	42.5
South	195/713	211/786	284/1020	369/1207	487/1460	27.3	26.8	27.8	30.6	33.4
Northeast	12/79	25/122	29/149	33/194	54/231	15.2	20.5	19.5	17.0	23.4
<b>Women Total</b>	<b>352/1205</b>	<b>432/1457</b>	<b>583/1833</b>	<b>829/2401</b>	<b>1045/2844</b>	<b>29.2</b>	<b>29.6</b>	<b>31.8</b>	<b>34.5</b>	<b>36.7</b>
<b>Had sex with person who injects drugs</b>										
West	28/193	50/272	56/337	104/501	140/619	14.5	18.4	16.6	20.8	22.6
Midwest	10/203	17/250	13/275	37/317	57/347	4.9	6.8	4.7	11.7	16.4
South	26/681	39/724	62/956	71/1180	122/1424	3.8	5.4	6.5	6.0	8.6
Northeast	0/80	7/116	4/142	5/190	6/225	0.0	6.0	2.8	2.6	2.7
<b>Women Total</b>	<b>64/1157</b>	<b>113/1362</b>	<b>135/1710</b>	<b>217/2188</b>	<b>325/2615</b>	<b>5.5</b>	<b>8.3</b>	<b>7.9</b>	<b>9.9</b>	<b>12.4</b>
<b>Had sex with anonymous partner</b>										
West	46/232	58/338	99/444	183/766	205/893	19.8	17.2	22.3	23.9	23.0
Midwest	34/204	55/261	55/286	68/331	74/363	16.7	21.1	19.2	20.5	20.4
South	129/691	160/747	178/922	234/1107	295/1350	18.7	21.4	19.3	21.1	21.9
Northeast	10/81	20/123	18/153	28/202	47/243	12.3	16.3	11.8	13.9	19.3
<b>Women Total</b>	<b>219/1208</b>	<b>293/1469</b>	<b>350/1805</b>	<b>513/2406</b>	<b>621/2849</b>	<b>18.1</b>	<b>19.9</b>	<b>19.4</b>	<b>21.3</b>	<b>21.8</b>
<b>Had sex with an MSM</b>										
West	11/191	21/270	28/359	54/601	56/677	5.8	7.8	7.8	9.0	8.3
Midwest	6/195	7/242	13/266	12/304	18/326	3.1	2.9	4.9	3.9	5.5
South	16/667	16/691	23/903	28/1055	46/1295	2.4	2.3	2.5	2.7	3.6
Northeast	2/58	3/84	5/129	10/179	8/197	3.4	3.6	3.9	5.6	4.1
<b>Women Total</b>	<b>35/1111</b>	<b>47/1287</b>	<b>69/1657</b>	<b>104/2139</b>	<b>128/2495</b>	<b>3.2</b>	<b>3.7</b>	<b>4.2</b>	<b>4.9</b>	<b>5.1</b>
<b>Met a sex partner through the internet</b>										
West	16/190	26/280	37/373	72/623	72/697	8.4	9.3	9.9	11.6	10.3
Midwest	13/185	31/237	24/264	32/281	49/323	7.0	13.1	9.1	11.4	15.2
South	62/708	68/801	93/1009	125/1179	174/1458	8.8	8.5	9.2	10.6	11.9
Northeast	5/78	10/104	9/107	13/148	11/161	6.4	9.6	8.4	8.8	6.8
<b>Women Total</b>	<b>96/1161</b>	<b>135/1422</b>	<b>163/1753</b>	<b>242/2231</b>	<b>306/2639</b>	<b>8.3</b>	<b>9.5</b>	<b>9.3</b>	<b>10.8</b>	<b>11.6</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 0–1 sex partners</b>										
West	113/232	171/327	215/442	348/750	440/917	48.7	52.3	48.6	46.4	48.0
Midwest	98/202	131/257	161/298	166/339	184/366	48.5	51.0	54.0	49.0	50.3
South	333/714	332/738	449/938	553/1116	667/1384	46.6	45.0	47.9	50.0	48.2
Northeast	39/78	65/120	100/154	113/206	120/236	50.0	54.2	64.9	54.9	50.8
<b>Women Total</b>	<b>583/1226</b>	<b>699/1442</b>	<b>925/1832</b>	<b>1180/2411</b>	<b>1411/2903</b>	<b>47.6</b>	<b>48.5</b>	<b>50.5</b>	<b>48.9</b>	<b>48.6</b>
<b>Had 2–5 sex partners</b>										
West	97/232	138/327	186/442	319/750	406/917	41.8	42.2	42.1	42.5	44.3
Midwest	88/202	105/257	109/298	137/339	150/366	43.6	40.9	36.6	40.4	41.0
South	333/714	351/738	437/938	490/1116	625/1384	46.6	47.6	46.6	43.9	45.2
Northeast	35/78	49/120	49/154	76/206	101/236	44.9	40.8	31.8	36.9	42.8
<b>Women Total</b>	<b>553/1226</b>	<b>643/1442</b>	<b>781/1832</b>	<b>1022/2411</b>	<b>1282/2903</b>	<b>45.1</b>	<b>44.6</b>	<b>42.6</b>	<b>42.4</b>	<b>44.2</b>
<b>Had ≥6 sex partners</b>										
West	22/232	18/327	41/442	83/750	71/917	9.5	5.5	9.3	11.1	7.7
Midwest	16/202	21/257	28/298	36/339	32/366	7.9	8.2	9.4	10.6	8.7
South	48/714	55/738	52/938	73/1116	92/1384	6.7	7.5	5.5	6.5	6.6
Northeast	4/78	6/120	5/154	17/206	15/236	5.1	5.0	3.2	8.3	6.4
<b>Women Total</b>	<b>90/1226</b>	<b>100/1442</b>	<b>126/1832</b>	<b>209/2411</b>	<b>210/2903</b>	<b>7.3</b>	<b>6.9</b>	<b>6.9</b>	<b>8.7</b>	<b>7.2</b>
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
West	34/205	45/302	65/377	135/689	161/790	16.6	14.9	17.2	19.6	20.4
Midwest	19/200	32/246	28/279	43/321	57/356	9.5	13.0	10.0	13.4	16.0
South	80/722	98/792	121/1019	156/1193	190/1462	11.1	12.4	11.9	13.1	13.0
Northeast	3/80	4/118	7/135	18/195	11/232	3.8	3.4	5.2	9.2	4.7
<b>Women Total</b>	<b>136/1207</b>	<b>179/1458</b>	<b>221/1810</b>	<b>352/2398</b>	<b>419/2840</b>	<b>11.3</b>	<b>12.3</b>	<b>12.2</b>	<b>14.7</b>	<b>14.8</b>
<b>History of prior STD ever</b>										
West	97/187	129/259	186/336	349/599	419/698	51.9	49.8	55.4	58.3	60.0
Midwest	82/203	90/228	105/237	112/255	144/278	40.4	39.5	44.3	43.9	51.8
South	306/666	323/677	418/917	503/1052	638/1312	45.9	47.7	45.6	47.8	48.6
Northeast	30/84	45/122	55/106	91/159	93/177	35.7	36.9	51.9	57.2	52.5
<b>Women Total</b>	<b>515/1140</b>	<b>587/1286</b>	<b>764/1596</b>	<b>1055/2065</b>	<b>1294/2465</b>	<b>45.2</b>	<b>45.6</b>	<b>47.9</b>	<b>51.1</b>	<b>52.5</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 2d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis by region, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Living with HIV</b>										
West	8/189	9/274	4/178	23/694	31/915	4.2	3.3	2.2	3.3	3.4
Midwest	7/176	16/209	4/248	8/282	22/300	4.0	7.7	1.6	2.8	7.3
South	35/626	40/684	39/925	54/1100	54/1359	5.6	5.8	4.2	4.9	4.0
Northeast	8/68	6/99	5/122	7/154	17/186	11.8	6.1	4.1	4.5	9.1
<b>Women Total</b>	<b>58/1059</b>	<b>71/1266</b>	<b>52/1473</b>	<b>92/2230</b>	<b>124/2760</b>	<b>5.5</b>	<b>5.6</b>	<b>3.5</b>	<b>4.1</b>	<b>4.5</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

**Table 3a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
White	212/3765	321/4737	358/5501	466/6508	646/7448	5.6	6.8	6.5	7.2	8.7
Black	66/4761	77/5573	77/6648	108/7048	106/7388	1.4	1.4	1.2	1.5	1.4
Hispanic	81/1995	102/2823	88/3260	112/4111	200/4538	4.1	3.6	2.7	2.7	4.4
Asian	5/185	4/282	11/302	9/403	9/503	2.7	1.4	3.6	2.2	1.8
AI/AN	4/53	8/107	12/92	13/128	20/180	7.5	7.5	13.0	10.2	11.1
NHOPI	1/28	1/19	0/36	0/43	3/58	3.6	5.3	0.0	0.0	5.2
Multirace	5/112	15/187	9/225	17/256	21/369	4.5	8.0	4.0	6.6	5.7
<b>US Total†</b>	<b>388/11221</b>	<b>534/14097</b>	<b>569/16552</b>	<b>745/19126</b>	<b>1042/21277</b>	<b>3.5</b>	<b>3.8</b>	<b>3.4</b>	<b>3.9</b>	<b>4.9</b>
<b>Used methamphetamine</b>										
White	490/4227	595/4889	627/5591	866/6966	1074/7551	11.6	12.2	11.2	12.4	14.2
Black	145/4465	149/4960	160/6012	239/6595	259/6770	3.2	3.0	2.7	3.6	3.8
Hispanic	258/2814	302/3337	363/3909	470/4950	571/5327	9.2	9.1	9.3	9.5	10.7
Asian	31/301	24/365	33/395	34/554	36/631	10.3	6.6	8.4	6.1	5.7
AI/AN	6/74	9/140	9/103	25/138	41/197	8.1	6.4	8.7	18.1	20.8
NHOPI	2/34	2/29	3/45	4/57	9/68	5.9	6.9	6.7	7.0	13.2
Multirace	19/141	29/245	27/295	37/327	46/423	13.5	11.8	9.2	11.3	10.9
<b>US Total†</b>	<b>987/12489</b>	<b>1136/14464</b>	<b>1253/17023</b>	<b>1738/20402</b>	<b>2106/21948</b>	<b>7.9</b>	<b>7.9</b>	<b>7.4</b>	<b>8.5</b>	<b>9.6</b>
<b>Used heroin</b>										
White	40/4217	62/4874	97/5554	162/6927	225/7477	0.9	1.3	1.7	2.3	3.0
Black	21/4463	29/4961	33/6001	43/6589	43/6763	0.5	0.6	0.5	0.7	0.6
Hispanic	28/2806	30/3337	37/3904	46/4928	74/5296	1.0	0.9	0.9	0.9	1.4
Asian	0/300	0/364	1/393	3/550	2/629	0.0	0.0	0.3	0.5	0.3
AI/AN	1/74	2/140	3/102	7/139	11/192	1.4	1.4	2.9	5.0	5.7
NHOPI	1/34	0/29	0/45	0/56	1/68	2.9	0.0	0.0	0.0	1.5
Multirace	1/141	4/245	4/293	9/324	9/420	0.7	1.6	1.4	2.8	2.1
<b>US Total†</b>	<b>95/12463</b>	<b>131/14446</b>	<b>182/16963</b>	<b>279/20320</b>	<b>375/21822</b>	<b>0.8</b>	<b>0.9</b>	<b>1.1</b>	<b>1.4</b>	<b>1.7</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used cocaine</b>										
White	156/4212	200/4874	214/5552	280/6923	331/7471	3.7	4.1	3.9	4.0	4.4
Black	147/4463	183/4965	196/6012	244/6598	219/6765	3.3	3.7	3.3	3.7	3.2
Hispanic	127/2810	146/3337	177/3913	178/4931	211/5300	4.5	4.4	4.5	3.6	4.0
Asian	6/300	6/363	12/392	15/552	9/629	2.0	1.7	3.1	2.7	1.4
AI/AN	3/74	2/140	0/102	8/138	8/193	4.1	1.4	0.0	5.8	4.1
NHOPI	3/34	1/29	2/45	2/56	1/68	8.8	3.4	4.4	3.6	1.5
Multirace	7/141	13/244	14/293	8/324	18/420	5.0	5.3	4.8	2.5	4.3
<b>US Total†</b>	<b>458/12462</b>	<b>563/14449</b>	<b>631/16981</b>	<b>753/20331</b>	<b>825/21822</b>	<b>3.7</b>	<b>3.9</b>	<b>3.7</b>	<b>3.7</b>	<b>3.8</b>
<b>Used crack</b>										
White	46/4213	78/4873	91/5548	100/6916	115/7462	1.1	1.6	1.6	1.4	1.5
Black	79/4467	99/4968	100/6009	101/6593	76/6761	1.8	2.0	1.7	1.5	1.1
Hispanic	23/2804	30/3338	35/3905	32/4928	34/5297	0.8	0.9	0.9	0.6	0.6
Asian	0/300	0/363	2/392	3/551	1/629	0.0	0.0	0.5	0.5	0.2
AI/AN	1/74	2/140	2/102	2/138	5/194	1.4	1.4	2.0	1.4	2.6
NHOPI	1/34	0/29	0/45	1/56	1/68	2.9	0.0	0.0	1.8	1.5
Multirace	2/141	7/245	3/293	0/324	1/419	1.4	2.9	1.0	0.0	0.2
<b>US Total†</b>	<b>156/12461</b>	<b>218/14454</b>	<b>242/16966</b>	<b>245/20313</b>	<b>241/21805</b>	<b>1.3</b>	<b>1.5</b>	<b>1.4</b>	<b>1.2</b>	<b>1.1</b>
<b>Used nitrates/poppers</b>										
White	249/4213	231/4848	234/5530	283/6837	339/7285	5.9	4.8	4.2	4.1	4.7
Black	64/4455	60/4950	62/5989	55/6467	86/6628	1.4	1.2	1.0	0.9	1.3
Hispanic	144/2799	148/3320	156/3899	169/4883	182/5229	5.1	4.5	4.0	3.5	3.5
Asian	28/300	36/364	22/389	34/545	46/627	9.3	9.9	5.7	6.2	7.3
AI/AN	2/74	2/140	3/102	0/124	7/170	2.7	1.4	2.9	0.0	4.1
NHOPI	0/34	1/28	1/44	2/55	5/68	0.0	3.6	2.3	3.6	7.4
Multirace	6/141	22/244	18/291	19/316	31/410	4.3	9.0	6.2	6.0	7.6
<b>US Total†</b>	<b>499/12444</b>	<b>511/14386</b>	<b>510/16911</b>	<b>581/20032</b>	<b>716/21384</b>	<b>4.0</b>	<b>3.6</b>	<b>3.0</b>	<b>2.9</b>	<b>3.3</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used erectile dysfunction medications</b>										
White	173/4201	158/4829	124/5496	109/6848	168/7358	4.1	3.3	2.3	1.6	2.3
Black	43/4446	21/4924	35/5951	30/6521	34/6714	1.0	0.4	0.6	0.5	0.5
Hispanic	29/2800	38/3312	44/3869	39/4895	50/5252	1.0	1.1	1.1	0.8	1.0
Asian	4/300	16/363	8/388	8/548	5/629	1.3	4.4	2.1	1.5	0.8
AI/AN	0/73	2/139	1/100	1/125	0/172	0.0	1.4	1.0	0.8	0.0
NHOPI	0/34	1/28	1/44	3/55	0/68	0.0	3.6	2.3	5.5	0.0
Multirace	5/141	13/244	8/291	8/317	10/410	3.5	5.3	2.7	2.5	2.4
<b>US Total†</b>	<b>263/12422</b>	<b>255/14329</b>	<b>229/16802</b>	<b>204/20109</b>	<b>276/21574</b>	<b>2.1</b>	<b>1.8</b>	<b>1.4</b>	<b>1.0</b>	<b>1.3</b>
<b>Used other drug(s)</b>										
White	970/4213	1184/4868	1255/5649	1443/6932	1614/7608	23.0	24.3	22.2	20.8	21.2
Black	1241/4466	1377/5007	1707/6161	1714/6675	1517/6958	27.8	27.5	27.7	25.7	21.8
Hispanic	664/2814	761/3327	934/3975	1004/4948	1089/5302	23.6	22.9	23.5	20.3	20.5
Asian	68/299	67/362	81/397	85/553	91/632	22.7	18.5	20.4	15.4	14.4
AI/AN	9/71	25/138	19/103	23/135	45/192	12.7	18.1	18.4	17.0	23.4
NHOPI	5/34	4/29	5/45	9/56	11/69	14.7	13.8	11.1	16.1	15.9
Multirace	25/141	32/243	53/295	52/324	73/418	17.7	13.2	18.0	16.0	17.5
<b>US Total†</b>	<b>3068/12470</b>	<b>3544/14470</b>	<b>4139/17300</b>	<b>4458/20433</b>	<b>4565/22175</b>	<b>24.6</b>	<b>24.5</b>	<b>23.9</b>	<b>21.8</b>	<b>20.6</b>
<b>Used no drugs</b>										
White	2409/4219	2696/4859	3068/5524	3726/6758	3877/7374	57.1	55.5	55.5	55.1	52.6
Black	2594/4423	2857/4903	3144/5820	3362/6296	3436/6333	58.6	58.3	54.0	53.4	54.3
Hispanic	1651/2801	1936/3300	2236/3864	2886/4851	3029/5201	58.9	58.7	57.9	59.5	58.2
Asian	186/299	242/362	248/388	350/543	412/624	62.2	66.9	63.9	64.5	66.0
AI/AN	50/76	91/141	66/103	82/140	92/199	65.8	64.5	64.1	58.6	46.2
NHOPI	26/35	20/29	35/45	44/55	42/68	74.3	69.0	77.8	80.0	61.8
Multirace	99/141	180/244	212/295	223/323	261/422	70.2	73.8	71.9	69.0	61.8
<b>US Total†</b>	<b>7287/12428</b>	<b>8337/14338</b>	<b>9438/16694</b>	<b>11196/19755</b>	<b>11830/21255</b>	<b>58.6</b>	<b>58.1</b>	<b>56.5</b>	<b>56.7</b>	<b>55.7</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
White	191/4332	311/5193	340/6010	436/7073	507/8053	4.4	6.0	5.7	6.2	6.3
Black	285/5066	307/5730	342/6835	434/7281	424/7573	5.6	5.4	5.0	6.0	5.6
Hispanic	142/2718	170/3269	169/3842	212/4732	251/5255	5.2	5.2	4.4	4.5	4.8
Asian	3/284	14/355	19/377	14/512	19/621	1.1	3.9	5.0	2.7	3.1
AI/AN	1/61	8/110	9/105	9/138	9/182	1.6	7.3	8.6	6.5	4.9
NHOPI	3/34	0/29	3/41	3/59	4/66	8.8	0.0	7.3	5.1	6.1
Multirace	7/125	15/195	12/246	16/277	24/374	5.6	7.7	4.9	5.8	6.4
<b>US Total†</b>	<b>652/13018</b>	<b>838/15322</b>	<b>922/18079</b>	<b>1154/20825</b>	<b>1269/23069</b>	<b>5.0</b>	<b>5.5</b>	<b>5.1</b>	<b>5.5</b>	<b>5.5</b>
<b>Had sex while high/intoxicated</b>										
White	1389/4185	1718/5006	1978/5794	2413/6839	2830/7729	33.2	34.3	34.1	35.3	36.6
Black	1630/5032	1859/5714	2225/6805	2380/7235	2519/7581	32.4	32.5	32.7	32.9	33.2
Hispanic	866/2692	980/3218	1117/3817	1441/4690	1591/5197	32.2	30.5	29.3	30.7	30.6
Asian	62/284	73/357	67/377	105/524	99/606	21.8	20.4	17.8	20.0	16.3
AI/AN	23/56	58/105	35/98	69/136	100/192	41.1	55.2	35.7	50.7	52.1
NHOPI	9/31	7/26	6/36	10/54	15/65	29.0	26.9	16.7	18.5	23.1
Multirace	34/121	59/178	66/224	72/255	128/361	28.1	33.1	29.5	28.2	35.5
<b>US Total†</b>	<b>4177/12803</b>	<b>4868/15040</b>	<b>5637/17766</b>	<b>6692/20488</b>	<b>7508/22683</b>	<b>32.2</b>	<b>32.4</b>	<b>31.7</b>	<b>32.7</b>	<b>33.1</b>
<b>Had sex with person who injects drugs</b>										
White	249/3787	393/4593	440/5240	557/6120	758/7015	6.6	8.6	8.4	9.1	10.8
Black	111/4738	135/5263	183/6385	200/6833	231/7073	2.3	2.6	2.9	2.9	3.3
Hispanic	103/2425	159/2939	160/3381	178/4088	285/4664	4.2	5.4	4.7	4.4	6.1
Asian	6/248	10/293	11/315	16/413	7/491	2.4	3.4	3.5	3.9	1.4
AI/AN	5/49	13/98	11/92	20/119	32/171	10.2	13.3	12.0	16.8	18.7
NHOPI	2/30	0/25	1/32	2/47	3/62	6.7	0.0	3.1	4.3	4.8
Multirace	6/105	13/163	12/202	13/208	29/315	5.7	8.0	5.9	6.3	9.2
<b>US Total†</b>	<b>499/11746</b>	<b>734/13751</b>	<b>847/16155</b>	<b>1015/18490</b>	<b>1380/20654</b>	<b>4.2</b>	<b>5.3</b>	<b>5.2</b>	<b>5.5</b>	<b>6.7</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex with anonymous partner</b>										
White	2471/4388	3012/5202	3323/5880	4007/7012	4364/7892	56.3	57.9	56.5	57.1	55.3
Black	2038/4863	2453/5503	2790/6177	3087/6720	3302/7006	41.9	44.6	45.2	45.9	47.1
Hispanic	1532/2743	1850/3262	2152/3861	2602/4742	2903/5252	55.9	56.7	55.7	54.9	55.3
Asian	159/285	223/345	240/370	306/518	352/598	55.8	64.6	64.9	59.1	58.9
AI/AN	23/61	48/112	51/101	54/138	92/198	37.7	42.9	50.5	39.1	46.5
NHOPI	20/36	12/29	22/41	28/57	36/67	55.6	41.4	53.7	49.1	53.7
Multirace	55/117	88/196	124/237	123/272	205/364	47.0	44.9	52.3	45.2	56.3
<b>US Total†</b>	<b>6500/12892</b>	<b>7935/15125</b>	<b>9035/17320</b>	<b>10612/20249</b>	<b>11730/22385</b>	<b>50.4</b>	<b>52.5</b>	<b>52.2</b>	<b>52.4</b>	<b>52.4</b>
<b>Had sex with an MSM (female cases only)</b>										
White	11/229	23/310	28/451	57/628	62/838	4.8	7.4	6.2	9.1	7.4
Black	16/656	14/686	17/831	19/967	34/1044	2.4	2.0	2.0	2.0	3.3
Hispanic	5/158	9/216	14/278	14/394	18/449	3.2	4.2	5.0	3.6	4.0
Asian	1/10	0/10	4/18	2/25	4/23	10.0	0.0	22.2	8.0	17.4
AI/AN	0/10	0/19	2/16	3/26	2/37	0.0	0.0	12.5	11.5	5.4
NHOPI	1/3	0/2	0/3	0/6	0/6	33.3	0.0	0.0	0.0	0.0
Multirace	0/4	0/9	1/12	4/25	2/22	0.0	0.0	8.3	16.0	9.1
<b>US Women Total†</b>	<b>35/1111</b>	<b>47/1287</b>	<b>69/1657</b>	<b>104/2139</b>	<b>128/2495</b>	<b>3.2</b>	<b>3.7</b>	<b>4.2</b>	<b>4.9</b>	<b>5.1</b>
<b>Met a sex partner through the internet</b>										
White	1700/4011	2111/4781	2418/5617	2923/6417	3342/7422	42.4	44.2	43.0	45.6	45.0
Black	1349/4897	1636/5596	1954/6488	2186/6770	2427/7216	27.5	29.2	30.1	32.3	33.6
Hispanic	911/2572	1102/3026	1423/3652	1726/4437	1968/4794	35.4	36.4	39.0	38.9	41.1
Asian	123/252	147/314	166/348	231/462	267/548	48.8	46.8	47.7	50.0	48.7
AI/AN	13/52	34/95	31/87	38/124	63/167	25.0	35.8	35.6	30.6	37.7
NHOPI	10/32	12/28	16/38	25/50	23/60	31.3	42.9	42.1	50.0	38.3
Multirace	42/116	82/181	97/230	116/251	178/345	36.2	45.3	42.2	46.2	51.6
<b>US Total†</b>	<b>4269/12302</b>	<b>5264/14411</b>	<b>6296/17018</b>	<b>7497/19172</b>	<b>8592/21432</b>	<b>34.7</b>	<b>36.5</b>	<b>37.0</b>	<b>39.1</b>	<b>40.1</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 0–1 sex partners</b>										
White	1382/4411	1548/5151	1950/5944	2329/6974	2609/7936	31.3	30.1	32.8	33.4	32.9
Black	1691/5031	1863/5218	2339/6143	2431/6573	2640/6943	33.6	35.7	38.1	37.0	38.0
Hispanic	805/2795	1066/3315	1267/3977	1595/4809	1741/5309	28.8	32.2	31.9	33.2	32.8
Asian	83/301	88/360	80/369	126/504	161/589	27.6	24.4	21.7	25.0	27.3
AI/AN	25/61	35/104	37/103	58/155	67/212	41.0	33.7	35.9	37.4	31.6
NHOPI	14/41	11/29	11/42	19/58	24/67	34.1	37.9	26.2	32.8	35.8
Multirace	38/123	65/185	74/244	64/262	96/384	30.9	35.1	30.3	24.4	25.0
<b>US Total†</b>	<b>4213/13185</b>	<b>4867/14844</b>	<b>6019/17439</b>	<b>6926/20105</b>	<b>7705/22384</b>	<b>32.0</b>	<b>32.8</b>	<b>34.5</b>	<b>34.4</b>	<b>34.4</b>
<b>Had 2–5 sex partners</b>										
White	1947/4411	2343/5151	2674/5944	3065/6974	3461/7936	44.1	45.5	45.0	44.0	43.6
Black	2650/5031	2667/5218	3028/6143	3177/6573	3351/6943	52.7	51.1	49.3	48.3	48.3
Hispanic	1393/2795	1595/3315	1928/3977	2220/4809	2411/5309	49.8	48.1	48.5	46.2	45.4
Asian	132/301	184/360	176/369	239/504	257/589	43.9	51.1	47.7	47.4	43.6
AI/AN	31/61	54/104	47/103	75/155	115/212	50.8	51.9	45.6	48.4	54.2
NHOPI	15/41	9/29	25/42	27/58	32/67	36.6	31.0	59.5	46.6	47.8
Multirace	58/123	77/185	113/244	146/262	168/384	47.2	41.6	46.3	55.7	43.8
<b>US Total†</b>	<b>6418/13185</b>	<b>7137/14844</b>	<b>8267/17439</b>	<b>9297/20105</b>	<b>10215/22384</b>	<b>48.7</b>	<b>48.1</b>	<b>47.4</b>	<b>46.2</b>	<b>45.6</b>
<b>Had ≥6 sex partners</b>										
White	1082/4411	1260/5151	1320/5944	1580/6974	1866/7936	24.5	24.5	22.2	22.7	23.5
Black	690/5031	688/5218	776/6143	965/6573	952/6943	13.7	13.2	12.6	14.7	13.7
Hispanic	597/2795	654/3315	782/3977	994/4809	1157/5309	21.4	19.7	19.7	20.7	21.8
Asian	86/301	88/360	113/369	139/504	171/589	28.6	24.4	30.6	27.6	29.0
AI/AN	5/61	15/104	19/103	22/155	30/212	8.2	14.4	18.4	14.2	14.2
NHOPI	12/41	9/29	6/42	12/58	11/67	29.3	31.0	14.3	20.7	16.4
Multirace	27/123	43/185	57/244	52/262	120/384	22.0	23.2	23.4	19.8	31.3
<b>US Total†</b>	<b>2554/13185</b>	<b>2840/14844</b>	<b>3153/17439</b>	<b>3882/20105</b>	<b>4464/22384</b>	<b>19.4</b>	<b>19.1</b>	<b>18.1</b>	<b>19.3</b>	<b>19.9</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
White	224/4028	299/4877	376/5667	526/6807	716/7648	5.6	6.1	6.6	7.7	9.4
Black	542/4999	574/5668	615/6682	706/7180	711/7482	10.8	10.1	9.2	9.8	9.5
Hispanic	209/2571	248/3107	367/3563	367/4517	468/4906	8.1	8.0	7.5	8.1	9.5
Asian	3/248	3/318	7/328	13/467	16/551	1.2	0.9	2.1	2.8	2.9
AI/AN	9/58	12/105	13/94	32/141	45/206	15.5	11.4	13.8	22.7	21.8
NHOPI	3/32	1/26	1/36	3/54	4/63	9.4	3.8	2.8	5.6	6.3
Multirace	7/112	11/184	16/231	21/263	35/364	6.3	6.0	6.9	8.0	9.6
<b>US Total†</b>	<b>1019/12421</b>	<b>1174/14716</b>	<b>1332/17198</b>	<b>1711/20173</b>	<b>2043/22123</b>	<b>8.2</b>	<b>8.0</b>	<b>7.7</b>	<b>8.5</b>	<b>9.2</b>
<b>History of prior STD ever</b>										
White	2149/4168	2498/4719	2998/5570	3465/6346	3888/7181	51.6	52.9	53.8	54.6	54.1
Black	2662/4934	2756/5047	3433/5813	3728/6039	3904/6321	54.0	54.6	59.1	61.7	61.8
Hispanic	1328/2654	1687/3066	1949/3619	2495/4423	2709/4760	50.0	55.0	53.9	56.4	56.9
Asian	120/271	141/309	163/335	251/425	279/510	44.3	45.6	48.7	59.1	54.7
AI/AN	24/58	46/91	33/85	66/127	87/181	41.4	50.5	38.8	52.0	48.1
NHOPI	15/32	16/25	19/38	26/52	31/60	46.9	64.0	50.0	50.0	51.7
Multirace	90/128	151/203	159/240	168/256	247/361	70.3	74.4	66.3	65.6	68.4
<b>US Total†</b>	<b>6543/12644</b>	<b>7447/13862</b>	<b>8975/16238</b>	<b>10505/18287</b>	<b>11531/20193</b>	<b>51.7</b>	<b>53.7</b>	<b>55.3</b>	<b>57.4</b>	<b>57.1</b>
<b>Living with HIV</b>										
White	1911/4132	2122/4923	2001/5201	2538/7207	2597/8165	46.2	43.1	38.5	35.2	31.8
Black	2252/4731	2579/5290	2843/6169	3100/7022	3299/7465	47.6	48.8	46.1	44.1	44.2
Hispanic	1072/2748	1294/3224	1235/3218	1874/5108	1902/5714	39.0	40.1	38.4	36.7	33.3
Asian	93/292	123/342	86/280	184/536	168/608	31.8	36.0	30.7	34.3	27.6
AI/AN	10/49	24/87	15/76	34/136	38/183	20.4	27.6	19.7	25.0	20.8
NHOPI	11/30	10/28	10/32	17/59	18/64	36.7	35.7	31.3	28.8	28.1
Multirace	79/123	129/224	130/244	136/295	215/420	64.2	57.6	53.3	46.1	51.2
<b>US Total†</b>	<b>5576/12522</b>	<b>6422/14574</b>	<b>6453/15742</b>	<b>8154/21193</b>	<b>8563/23726</b>	<b>44.5</b>	<b>44.1</b>	<b>41.0</b>	<b>38.5</b>	<b>36.1</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
White	160/3117	219/3806	213/4261	244/4859	311/5349	5.1	5.8	5.0	5.0	5.8
Black	47/2992	49/3514	53/4223	71/4323	60/4465	1.6	1.4	1.3	1.6	1.3
Hispanic	58/1505	67/2164	53/2504	65/3049	101/3292	3.9	3.1	2.1	2.1	3.1
Asian	5/156	4/240	9/255	7/334	7/427	3.2	1.7	3.5	2.1	1.6
AI/AN	3/27	6/65	7/62	4/68	5/85	11.1	9.2	11.3	5.9	5.9
NHOPI	1/21	1/17	0/26	0/34	2/43	4.8	5.9	0.0	0.0	4.7
Multirace	5/93	15/157	4/184	10/198	13/313	5.4	9.6	2.2	5.1	4.2
<b>MSM Total†</b>	<b>288/8133</b>	<b>365/10231</b>	<b>345/11831</b>	<b>406/13299</b>	<b>514/14529</b>	<b>3.5</b>	<b>3.6</b>	<b>2.9</b>	<b>3.1</b>	<b>3.5</b>
<b>Used methamphetamine</b>										
White	413/3326	462/3710	437/4025	520/4752	575/5114	12.4	12.5	10.9	10.9	11.2
Black	117/2684	114/3010	114/3572	153/3751	158/3812	4.4	3.8	3.2	4.1	4.1
Hispanic	200/2086	215/2404	232/2767	280/3389	301/3632	9.6	8.9	8.4	8.3	8.3
Asian	29/248	23/306	29/315	21/408	24/502	11.7	7.5	9.2	5.1	4.8
AI/AN	3/34	5/62	4/65	9/71	10/89	8.8	8.1	6.2	12.7	11.2
NHOPI	2/26	2/25	2/31	4/47	5/51	7.7	8.0	6.5	8.5	9.8
Multirace	16/96	28/159	20/193	24/205	28/291	16.7	17.6	10.4	11.7	9.6
<b>MSM Total†</b>	<b>805/8778</b>	<b>867/9987</b>	<b>855/11354</b>	<b>1039/13079</b>	<b>1132/14071</b>	<b>9.2</b>	<b>8.7</b>	<b>7.5</b>	<b>7.9</b>	<b>8.0</b>
<b>Used heroin</b>										
White	28/3319	26/3699	43/3994	59/4731	74/5083	0.8	0.7	1.1	1.2	1.5
Black	12/2685	12/3009	17/3565	19/3749	16/3810	0.4	0.4	0.5	0.5	0.4
Hispanic	13/2080	7/2405	11/2763	15/3377	19/3624	0.6	0.3	0.4	0.4	0.5
Asian	0/248	0/305	1/314	1/407	1/502	0.0	0.0	0.3	0.2	0.2
AI/AN	1/34	0/62	0/65	1/71	1/88	2.9	0.0	0.0	1.4	1.1
NHOPI	1/26	0/25	0/31	0/46	0/51	3.8	0.0	0.0	0.0	0.0
Multirace	1/96	3/159	3/193	5/204	3/289	1.0	1.9	1.6	2.5	1.0
<b>MSM Total†</b>	<b>57/8765</b>	<b>49/9974</b>	<b>78/11309</b>	<b>102/13038</b>	<b>117/14027</b>	<b>0.7</b>	<b>0.5</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used cocaine</b>										
White	131/3316	148/3698	156/3994	183/4729	206/5086	4.0	4.0	3.9	3.9	4.1
Black	96/2681	103/3011	117/3568	133/3757	115/3813	3.6	3.4	3.3	3.5	3.0
Hispanic	95/2081	106/2405	120/2773	122/3378	131/3627	4.6	4.4	4.3	3.6	3.6
Asian	6/248	6/304	12/313	13/408	8/502	2.4	2.0	3.8	3.2	1.6
AI/AN	2/34	0/62	0/65	4/71	4/88	5.9	0.0	0.0	5.6	4.5
NHOPI	3/26	1/25	2/31	2/46	1/51	11.5	4.0	6.5	4.3	2.0
Multirace	6/96	10/159	11/193	7/204	16/290	6.3	6.3	5.7	3.4	5.5
<b>MSM Total†</b>	<b>343/8758</b>	<b>383/9973</b>	<b>428/11322</b>	<b>476/13047</b>	<b>497/14037</b>	<b>3.9</b>	<b>3.8</b>	<b>3.8</b>	<b>3.6</b>	<b>3.5</b>
<b>Used crack</b>										
White	30/3316	37/3697	47/3991	40/4723	42/5083	0.9	1.0	1.2	0.8	0.8
Black	33/2685	42/3010	43/3564	37/3751	27/3808	1.2	1.4	1.2	1.0	0.7
Hispanic	12/2079	17/2406	22/2766	19/3377	10/3625	0.6	0.7	0.8	0.6	0.3
Asian	0/248	0/304	1/313	0/407	1/502	0.0	0.0	0.3	0.0	0.2
AI/AN	1/34	0/62	1/65	1/71	0/88	2.9	0.0	1.5	1.4	0.0
NHOPI	1/26	0/25	0/31	1/46	0/51	3.8	0.0	0.0	2.2	0.0
Multirace	0/96	7/159	3/193	0/204	1/289	0.0	4.4	1.6	0.0	0.3
<b>MSM Total†</b>	<b>77/8760</b>	<b>105/9974</b>	<b>120/11307</b>	<b>101/13032</b>	<b>86/14026</b>	<b>0.9</b>	<b>1.1</b>	<b>1.1</b>	<b>0.8</b>	<b>0.6</b>
<b>Used nitrates/poppers</b>										
White	242/3317	223/3678	218/3987	271/4685	322/4998	7.3	6.1	5.5	5.8	6.4
Black	55/2683	56/3002	51/3559	48/3687	75/3717	2.0	1.9	1.4	1.3	2.0
Hispanic	143/2075	144/2391	150/2765	164/3349	177/3592	6.9	6.0	5.4	4.9	4.9
Asian	27/248	36/305	22/310	32/401	45/501	10.9	11.8	7.1	8.0	9.0
AI/AN	2/34	2/62	3/65	0/67	7/84	5.9	3.2	4.6	0.0	8.3
NHOPI	0/26	1/24	1/30	2/45	5/51	0.0	4.2	3.3	4.4	9.8
Multirace	6/96	21/158	17/191	19/199	31/285	6.3	13.3	8.9	9.5	10.9
<b>MSM Total†</b>	<b>481/8755</b>	<b>494/9927</b>	<b>473/11289</b>	<b>554/12885</b>	<b>682/13805</b>	<b>5.5</b>	<b>5.0</b>	<b>4.2</b>	<b>4.3</b>	<b>4.9</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used erectile dysfunction medications</b>										
White	164/3306	142/3663	111/3959	102/4691	149/5045	5.0	3.9	2.8	2.2	3.0
Black	28/2679	12/2986	26/3542	25/3725	30/3788	1.0	0.4	0.7	0.7	0.8
Hispanic	26/2075	35/2388	39/2743	33/3354	42/3609	1.3	1.5	1.4	1.0	1.2
Asian	4/248	16/304	8/309	8/404	5/502	1.6	5.3	2.6	2.0	1.0
AI/AN	0/34	2/61	1/64	1/67	0/84	0.0	3.3	1.6	1.5	0.0
NHOPI	0/26	1/24	0/30	3/45	0/51	0.0	4.2	0.0	6.7	0.0
Multirace	5/96	13/158	8/191	8/200	10/285	5.2	8.2	4.2	4.0	3.5
<b>MSM Total†</b>	<b>235/8740</b>	<b>225/9892</b>	<b>199/11217</b>	<b>183/12936</b>	<b>245/13941</b>	<b>2.7</b>	<b>2.3</b>	<b>1.8</b>	<b>1.4</b>	<b>1.8</b>
<b>Used other drug(s)</b>										
White	826/3316	945/3691	938/4087	1005/4740	1060/5196	24.9	25.6	23.0	21.2	20.4
Black	739/2684	814/3012	1047/3653	992/3809	851/3933	27.5	27.0	28.7	26.0	21.6
Hispanic	522/2087	572/2396	688/2826	720/3385	729/3627	25.0	23.9	24.3	21.3	20.1
Asian	61/247	60/303	75/317	70/408	74/504	24.7	19.8	23.7	17.2	14.7
AI/AN	6/33	16/61	13/65	11/71	21/88	18.2	26.2	20.0	15.5	23.9
NHOPI	3/26	3/25	3/31	9/46	9/52	11.5	12.0	9.7	19.6	17.3
Multirace	20/96	23/157	39/193	37/204	58/288	20.8	14.6	20.2	18.1	20.1
<b>MSM Total†</b>	<b>2234/8766</b>	<b>2499/9955</b>	<b>2858/11559</b>	<b>2924/13118</b>	<b>2891/14288</b>	<b>25.5</b>	<b>25.1</b>	<b>24.7</b>	<b>22.3</b>	<b>20.2</b>
<b>Used no drugs</b>										
White	1837/3318	2022/3683	2275/3965	2649/4582	2716/4944	55.4	54.9	57.4	57.8	54.9
Black	1611/2653	1762/2963	1842/3429	1933/3542	1961/3522	60.7	59.5	53.7	54.6	55.7
Hispanic	1197/2076	1380/2374	1586/2735	2010/3317	2125/3536	57.7	58.1	58.0	60.6	60.1
Asian	149/247	205/303	195/310	262/396	336/495	60.3	67.7	62.9	66.2	67.9
AI/AN	21/33	31/61	44/64	45/72	46/91	63.6	50.8	68.8	62.5	50.5
NHOPI	20/27	18/25	25/31	34/45	31/51	74.1	72.0	80.6	75.6	60.8
Multirace	64/96	107/158	133/192	135/201	167/290	66.7	67.7	69.3	67.2	57.6
<b>MSM Total†</b>	<b>5071/8727</b>	<b>5710/9877</b>	<b>6337/11098</b>	<b>7357/12593</b>	<b>7781/13518</b>	<b>58.1</b>	<b>57.8</b>	<b>57.1</b>	<b>58.4</b>	<b>57.6</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
White	120/3586	203/4144	194/4659	216/5250	243/5727	3.3	4.9	4.2	4.1	4.2
Black	132/3156	148/3600	163/4298	190/4411	186/4537	4.2	4.1	3.8	4.3	4.1
Hispanic	69/2095	98/2471	76/2905	104/3491	109/3774	3.3	4.0	2.6	3.0	2.9
Asian	2/242	7/308	11/319	10/424	7/523	0.8	2.3	3.4	2.4	1.3
AI/AN	1/34	4/65	6/68	3/75	3/92	2.9	6.2	8.8	4.0	3.3
NHOPI	2/26	0/25	1/29	2/47	3/49	7.7	0.0	3.4	4.3	6.1
Multirace	5/105	15/162	8/199	13/208	18/312	4.8	9.3	4.0	6.3	5.8
<b>MSM Total†</b>	<b>342/9520</b>	<b>481/11093</b>	<b>466/12893</b>	<b>552/14419</b>	<b>582/15636</b>	<b>3.6</b>	<b>4.3</b>	<b>3.6</b>	<b>3.8</b>	<b>3.7</b>
<b>Had sex while high/intoxicated</b>										
White	1134/3421	1327/3960	1434/4409	1648/4959	1839/5458	33.1	33.5	32.5	33.2	33.7
Black	1043/3138	1181/3569	1434/4263	1431/4367	1514/4523	33.2	33.1	33.6	32.8	33.5
Hispanic	632/2056	713/2412	797/2850	996/3400	1061/3705	30.7	29.6	28.0	29.3	28.6
Asian	56/242	65/305	52/308	78/415	78/502	23.1	21.3	16.9	18.8	15.5
AI/AN	11/31	27/60	15/63	28/73	48/90	35.5	45.0	23.8	38.4	53.3
NHOPI	7/24	5/22	3/24	9/43	11/47	29.2	22.7	12.5	20.9	23.4
Multirace	28/95	49/144	47/178	52/189	100/291	29.5	34.0	26.4	27.5	34.4
<b>MSM Total†</b>	<b>2985/9284</b>	<b>3445/10780</b>	<b>3876/12497</b>	<b>4379/13941</b>	<b>4792/15233</b>	<b>32.2</b>	<b>32.0</b>	<b>31.0</b>	<b>31.4</b>	<b>31.5</b>
<b>Had sex with person who injects drugs</b>										
White	195/3122	268/3673	272/4060	318/4598	386/5033	6.2	7.3	6.7	6.9	7.7
Black	74/2984	86/3341	124/4056	126/4182	119/4270	2.5	2.6	3.1	3.0	2.8
Hispanic	70/1848	104/2229	98/2569	106/3024	160/3365	3.8	4.7	3.8	3.5	4.8
Asian	6/208	8/252	11/269	13/347	3/415	2.9	3.2	4.1	3.7	0.7
AI/AN	3/28	7/58	4/60	7/64	12/84	10.7	12.1	6.7	10.9	14.3
NHOPI	2/23	0/21	1/22	2/36	3/48	8.7	0.0	4.5	5.6	6.3
Multirace	5/91	13/135	9/165	8/162	21/263	5.5	9.6	5.5	4.9	8.0
<b>MSM Total†</b>	<b>368/8555</b>	<b>495/9983</b>	<b>537/11537</b>	<b>594/12855</b>	<b>725/14049</b>	<b>4.3</b>	<b>5.0</b>	<b>4.7</b>	<b>4.6</b>	<b>5.2</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex with anonymous partner</b>										
White	2218/3607	2647/4121	2846/4468	3327/5137	3577/5545	61.5	64.2	63.7	64.8	64.5
Black	1515/3048	1762/3456	2085/3886	2253/4079	2395/4207	49.7	51.0	53.7	55.2	56.9
Hispanic	1278/2099	1558/2452	1790/2902	2164/3472	2394/3756	60.9	63.5	61.7	62.3	63.7
Asian	141/238	206/297	214/311	269/414	312/500	59.2	69.4	68.8	65.0	62.4
AI/AN	22/33	37/64	37/66	39/74	66/93	66.7	57.8	56.1	52.7	71.0
NHOPI	18/28	12/25	16/29	27/47	32/53	64.3	48.0	55.2	57.4	60.4
Multirace	48/101	83/160	111/191	106/202	186/302	47.5	51.9	58.1	52.5	61.6
<b>MSM Total†</b>	<b>5405/9430</b>	<b>6510/10912</b>	<b>7355/12276</b>	<b>8511/13957</b>	<b>9346/15113</b>	<b>57.3</b>	<b>59.7</b>	<b>59.9</b>	<b>61.0</b>	<b>61.8</b>
<b>Met a sex partner through the internet</b>										
White	1626/3273	1974/3767	2242/4305	2699/4677	3033/5183	49.7	52.4	52.1	57.7	58.5
Black	1198/3030	1426/3503	1725/4013	1882/3992	2068/4239	39.5	40.7	43.0	47.1	48.8
Hispanic	855/1961	1007/2254	1323/2729	1588/3227	1800/3431	43.6	44.7	48.5	49.2	52.5
Asian	115/208	144/267	162/292	219/382	251/454	55.3	53.9	55.5	57.3	55.3
AI/AN	11/29	28/62	29/60	31/72	50/87	37.9	45.2	48.3	43.1	57.5
NHOPI	10/25	12/24	14/27	24/40	22/46	40.0	50.0	51.9	60.0	47.8
Multirace	38/96	78/145	92/185	108/191	171/281	39.6	53.8	49.7	56.5	60.9
<b>MSM Total†</b>	<b>3967/8867</b>	<b>4797/10300</b>	<b>5757/11975</b>	<b>6783/13027</b>	<b>7690/14289</b>	<b>44.7</b>	<b>46.6</b>	<b>48.1</b>	<b>52.1</b>	<b>53.8</b>
<b>Had 0–1 sex partners</b>										
White	957/3585	977/4024	1177/4432	1250/4881	1361/5394	26.7	24.3	26.6	25.6	25.2
Black	862/3104	963/3114	1172/3652	1114/3677	1253/3952	27.8	30.9	32.1	30.3	31.7
Hispanic	481/2088	628/2429	757/2915	810/3332	897/3636	23.0	25.9	26.0	24.3	24.7
Asian	54/252	49/299	53/310	72/394	100/484	21.4	16.4	17.1	18.3	20.7
AI/AN	7/32	20/62	17/65	20/78	19/95	21.9	32.3	26.2	25.6	20.0
NHOPI	8/32	7/24	6/28	9/44	14/51	25.0	29.2	21.4	20.5	27.5
Multirace	31/103	45/149	46/196	37/197	64/311	30.1	30.2	23.5	18.8	20.6
<b>MSM Total†</b>	<b>2484/9479</b>	<b>2788/10417</b>	<b>3356/11977</b>	<b>3464/13096</b>	<b>3873/14511</b>	<b>26.2</b>	<b>26.8</b>	<b>28.0</b>	<b>26.5</b>	<b>26.7</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 2–5 sex partners</b>										
White	1604/3585	1874/4024	2065/4432	2225/4881	2388/5394	44.7	46.6	46.6	45.6	44.3
Black	1700/3104	1649/3114	1884/3652	1833/3677	1969/3952	54.8	53.0	51.6	49.9	49.8
Hispanic	1068/2088	1217/2429	1451/2915	1645/3332	1720/3636	51.1	50.1	49.8	49.4	47.3
Asian	115/252	163/299	148/310	195/394	220/484	45.6	54.5	47.7	49.5	45.5
AI/AN	21/32	30/62	35/65	40/78	55/95	65.6	48.4	53.8	51.3	57.9
NHOPI	13/32	8/24	19/28	23/44	27/51	40.6	33.3	67.9	52.3	52.9
Multirace	48/103	63/149	95/196	111/197	132/311	46.6	42.3	48.5	56.3	42.4
<b>MSM Total†</b>	<b>4714/9479</b>	<b>5146/10417</b>	<b>5882/11977</b>	<b>6311/13096</b>	<b>6790/14511</b>	<b>49.7</b>	<b>49.4</b>	<b>49.1</b>	<b>48.2</b>	<b>46.8</b>
<b>Had ≥6 sex partners</b>										
White	1024/3585	1173/4024	1190/4432	1406/4881	1645/5394	28.6	29.2	26.9	28.8	30.5
Black	542/3104	502/3114	596/3652	730/3677	730/3952	17.5	16.1	16.3	19.9	18.5
Hispanic	539/2088	584/2429	707/2915	877/3332	1019/3636	25.8	24.0	24.3	26.3	28.0
Asian	83/252	87/299	109/310	127/394	164/484	32.9	29.1	35.2	32.2	33.9
AI/AN	4/32	12/62	13/65	18/78	21/95	12.5	19.4	20.0	23.1	22.1
NHOPI	11/32	9/24	3/28	12/44	10/51	34.4	37.5	10.7	27.3	19.6
Multirace	24/103	41/149	55/196	49/197	115/311	23.3	27.5	28.1	24.9	37.0
<b>MSM Total†</b>	<b>2281/9479</b>	<b>2483/10417</b>	<b>2739/11977</b>	<b>3321/13096</b>	<b>3848/14511</b>	<b>24.1</b>	<b>23.8</b>	<b>22.9</b>	<b>25.4</b>	<b>26.5</b>
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
White	131/3285	154/3832	162/4333	192/5009	242/5390	4.0	4.0	3.7	3.8	4.5
Black	230/3117	245/3521	272/4189	289/4360	291/4472	7.4	7.0	6.5	6.6	6.5
Hispanic	100/1943	103/2315	118/2654	148/3289	174/3451	5.1	4.4	4.4	4.5	5.0
Asian	2/206	3/269	2/275	8/381	5/458	1.0	1.1	0.7	2.1	1.1
AI/AN	2/31	2/62	2/61	7/77	9/95	6.5	3.2	3.3	9.1	9.5
NHOPI	3/25	0/21	1/25	1/43	1/47	12.0	0.0	4.0	2.3	2.1
Multirace	5/92	8/150	8/187	10/200	19/297	5.4	5.3	4.3	5.0	6.4
<b>MSM Total†</b>	<b>483/8947</b>	<b>525/10470</b>	<b>575/12118</b>	<b>669/13870</b>	<b>753/14820</b>	<b>5.4</b>	<b>5.0</b>	<b>4.7</b>	<b>4.8</b>	<b>5.1</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>History of prior STD ever</b>										
White	1792/3290	1998/3572	2344/4121	2659/4536	2913/4945	54.5	55.9	56.9	58.6	58.9
Black	1692/2937	1771/2992	2216/3424	2285/3450	2460/3644	57.6	59.2	64.7	66.2	67.5
Hispanic	1039/1954	1323/2226	1509/2641	1879/3120	2040/3339	53.2	59.4	57.1	60.2	61.1
Asian	100/221	117/255	144/274	201/337	248/423	45.2	45.9	52.6	59.6	58.6
AI/AN	16/30	33/63	23/57	35/70	41/96	53.3	52.4	40.4	50.0	42.7
NHOPI	11/24	13/21	14/27	20/39	26/46	45.8	61.9	51.9	51.3	56.5
Multirace	67/96	116/156	132/189	121/182	196/285	69.8	74.4	69.8	66.5	68.8
<b>MSM Total†</b>	<b>4816/8794</b>	<b>5468/9530</b>	<b>6532/11061</b>	<b>7399/12129</b>	<b>8191/13310</b>	<b>54.8</b>	<b>57.4</b>	<b>59.1</b>	<b>61.0</b>	<b>61.5</b>
<b>Living with HIV</b>										
White	1647/3267	1798/3778	1634/3789	2055/5005	2165/5533	50.4	47.6	43.1	41.1	39.1
Black	1846/2856	2051/3205	2312/3698	2427/3977	2596/4223	64.6	64.0	62.5	61.0	61.5
Hispanic	905/2023	1085/2339	1019/2371	1505/3506	1572/3835	44.7	46.4	43.0	42.9	41.0
Asian	79/244	108/287	75/224	150/419	149/496	32.4	37.6	33.5	35.8	30.0
AI/AN	8/26	21/56	13/51	24/72	27/93	30.8	37.5	25.5	33.3	29.0
NHOPI	11/24	8/23	7/23	15/46	16/50	45.8	34.8	30.4	32.6	32.0
Multirace	61/90	85/153	91/172	97/205	169/305	67.8	55.6	52.9	47.3	55.4
<b>MSM Total†</b>	<b>4659/8796</b>	<b>5257/10120</b>	<b>5238/10635</b>	<b>6457/13727</b>	<b>6904/15171</b>	<b>53.0</b>	<b>52.0</b>	<b>49.3</b>	<b>47.0</b>	<b>45.5</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
White	24/350	50/493	60/664	90/867	126/1036	6.9	10.1	9.0	10.4	12.2
Black	9/972	12/1115	12/1370	27/1514	25/1620	0.9	1.1	0.9	1.8	1.5
Hispanic	12/323	15/392	17/462	25/592	56/716	3.7	3.8	3.7	4.2	7.8
Asian	0/17	0/25	1/24	0/35	0/50	0.0	0.0	4.2	0.0	0.0
AI/AN	1/11	0/18	3/15	3/23	4/43	9.1	0.0	20.0	13.0	9.3
NHOPI	0/4	0/1	0/8	0/4	0/8	0.0	0.0	0.0	0.0	0.0
Multirace	0/9	0/14	0/19	2/24	3/27	0.0	0.0	0.0	8.3	11.1
<b>MSW Total†</b>	<b>48/1736</b>	<b>78/2116</b>	<b>96/2674</b>	<b>152/3166</b>	<b>230/3635</b>	<b>2.8</b>	<b>3.7</b>	<b>3.6</b>	<b>4.8</b>	<b>6.3</b>
<b>Used methamphetamine</b>										
White	33/366	71/481	80/616	174/866	214/1043	9.0	14.8	13.0	20.1	20.5
Black	14/905	18/979	26/1193	43/1342	62/1434	1.5	1.8	2.2	3.2	4.3
Hispanic	37/402	56/455	76/544	103/683	160/854	9.2	12.3	14.0	15.1	18.7
Asian	0/22	0/24	1/30	4/51	5/60	0.0	0.0	3.3	7.8	8.3
AI/AN	2/14	3/21	2/15	6/28	7/46	14.3	14.3	13.3	21.4	15.2
NHOPI	0/5	0/2	0/9	0/4	1/9	0.0	0.0	0.0	0.0	11.1
Multirace	1/7	0/13	3/18	5/25	8/28	14.3	0.0	16.7	20.0	28.6
<b>MSW Total†</b>	<b>88/1779</b>	<b>151/2041</b>	<b>194/2545</b>	<b>347/3116</b>	<b>482/3628</b>	<b>5.0</b>	<b>7.4</b>	<b>7.6</b>	<b>11.1</b>	<b>13.3</b>
<b>Used heroin</b>										
White	3/364	17/481	19/615	37/855	45/1026	0.8	3.5	3.1	4.3	4.4
Black	6/904	6/979	6/1192	11/1342	12/1436	0.7	0.6	0.5	0.8	0.8
Hispanic	5/399	12/454	17/545	15/675	29/844	1.3	2.6	3.1	2.2	3.4
Asian	0/22	0/24	0/29	0/51	0/59	0.0	0.0	0.0	0.0	0.0
AI/AN	0/14	1/21	1/15	1/28	4/46	0.0	4.8	6.7	3.6	8.7
NHOPI	0/5	0/2	0/9	0/4	0/9	0.0	0.0	0.0	0.0	0.0
Multirace	0/7	0/13	0/16	1/25	1/27	0.0	0.0	0.0	4.0	7.4
<b>MSW Total†</b>	<b>15/1773</b>	<b>37/2040</b>	<b>44/2541</b>	<b>66/3096</b>	<b>97/3600</b>	<b>0.8</b>	<b>1.8</b>	<b>1.7</b>	<b>2.1</b>	<b>2.7</b>

Abbreviations MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used cocaine</b>										
White	7/364	26/481	28/615	41/853	50/1021	1.9	5.4	4.6	4.8	4.9
Black	33/906	49/981	51/1196	64/1343	59/1434	3.6	5.0	4.3	4.8	4.1
Hispanic	20/401	27/454	41/545	38/677	52/844	5.0	5.9	7.5	5.6	6.2
Asian	0/22	0/24	0/29	1/51	0/59	0.0	0.0	0.0	2.0	0.0
AI/AN	1/14	1/21	0/15	2/28	1/45	7.1	4.8	0.0	7.1	2.2
NHOPI	0/5	0/2	0/9	0/4	0/9	0.0	0.0	0.0	0.0	0.0
Multirace	0/7	2/12	2/16	0/25	1/27	0.0	16.7	12.5	0.0	3.7
<b>MSW Total†</b>	<b>64/1777</b>	<b>107/2043</b>	<b>125/2546</b>	<b>149/3098</b>	<b>172/3591</b>	<b>3.6</b>	<b>5.2</b>	<b>4.9</b>	<b>4.8</b>	<b>4.8</b>
<b>Used crack</b>										
White	3/364	12/481	14/614	20/854	26/1020	0.8	2.5	2.3	2.3	2.5
Black	23/906	26/982	24/1196	33/1343	24/1434	2.5	2.6	2.0	2.5	1.7
Hispanic	7/398	7/454	9/546	7/676	12/844	1.8	1.5	1.6	1.0	1.4
Asian	0/22	0/24	0/29	0/51	0/59	0.0	0.0	0.0	0.0	0.0
AI/AN	0/14	0/21	1/15	0/28	2/46	0.0	0.0	6.7	0.0	4.3
NHOPI	0/5	0/2	0/9	0/4	1/9	0.0	0.0	0.0	0.0	11.1
Multirace	1/7	0/13	0/16	0/25	0/27	14.3	0.0	0.0	0.0	0.0
<b>MSW Total†</b>	<b>36/1774</b>	<b>45/2044</b>	<b>52/2546</b>	<b>61/3097</b>	<b>68/3590</b>	<b>2.0</b>	<b>2.2</b>	<b>2.0</b>	<b>2.0</b>	<b>1.9</b>
<b>Used nitrates/poppers</b>										
White	1/363	3/476	8/606	5/836	4/971	0.3	0.6	1.3	0.6	0.4
Black	4/904	1/976	8/1190	4/1311	5/1403	0.4	0.1	0.7	0.3	0.4
Hispanic	0/399	2/454	4/540	1/666	2/820	0.0	0.4	0.7	0.2	0.2
Asian	0/22	0/24	0/29	0/51	1/59	0.0	0.0	0.0	0.0	1.7
AI/AN	0/14	0/21	0/15	0/23	0/41	0.0	0.0	0.0	0.0	0.0
NHOPI	0/5	0/2	0/9	0/4	0/9	0.0	0.0	0.0	0.0	0.0
Multirace	0/7	0/13	0/16	0/25	0/24	0.0	0.0	0.0	0.0	0.0
<b>MSW Total†</b>	<b>5/1772</b>	<b>6/2032</b>	<b>21/2524</b>	<b>10/3031</b>	<b>12/3475</b>	<b>0.3</b>	<b>0.3</b>	<b>0.8</b>	<b>0.3</b>	<b>0.3</b>

Abbreviations MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used erectile dysfunction medications</b>										
White	6/363	13/475	9/602	6/839	16/990	1.7	2.7	1.5	0.7	1.6
Black	14/903	7/972	8/1180	2/1321	3/1421	1.6	0.7	0.7	0.2	0.2
Hispanic	3/399	3/451	4/533	6/667	6/820	0.8	0.7	0.8	0.9	0.7
Asian	0/22	0/24	0/29	0/51	0/59	0.0	0.0	0.0	0.0	0.0
AI/AN	0/14	0/21	0/15	0/23	0/40	0.0	0.0	0.0	0.0	0.0
NHOPI	0/5	0/2	0/9	0/4	0/9	0.0	0.0	0.0	0.0	0.0
Multirace	0/7	0/13	0/16	0/25	0/24	0.0	0.0	0.0	0.0	0.0
<b>MSW Total†</b>	<b>24/1771</b>	<b>25/2021</b>	<b>23/2501</b>	<b>17/3045</b>	<b>25/3512</b>	<b>1.4</b>	<b>1.2</b>	<b>0.9</b>	<b>0.6</b>	<b>0.7</b>
<b>Used other drug(s)</b>										
White	71/363	121/479	180/615	242/853	290/1040	19.6	25.3	29.3	28.4	27.9
Black	331/905	343/984	431/1233	468/1362	419/1484	36.6	34.9	35.0	34.4	28.2
Hispanic	102/400	120/454	159/549	174/683	251/843	25.5	26.4	29.0	25.5	29.8
Asian	5/22	3/24	5/30	8/52	11/59	22.7	12.5	16.7	15.4	18.6
AI/AN	2/14	5/21	2/15	5/27	9/45	14.3	23.8	13.3	18.5	20.0
NHOPI	2/5	1/2	1/9	0/4	0/9	40.0	50.0	11.1	0.0	0.0
Multirace	2/7	3/13	7/17	6/26	6/27	28.6	23.1	41.2	23.1	22.2
<b>MSW Total†</b>	<b>526/1775</b>	<b>610/2043</b>	<b>808/2589</b>	<b>930/3122</b>	<b>1012/3660</b>	<b>29.6</b>	<b>29.9</b>	<b>31.2</b>	<b>29.8</b>	<b>27.7</b>
<b>Used no drugs</b>										
White	223/365	257/480	301/613	399/837	494/1006	61.1	53.5	49.1	47.7	49.1
Black	454/900	517/968	578/1160	617/1281	648/1330	50.4	53.4	49.8	48.2	48.7
Hispanic	238/399	244/451	285/539	363/665	415/828	59.6	54.1	52.9	54.6	50.1
Asian	15/22	18/24	22/28	41/52	41/58	68.2	75.0	78.6	78.8	70.7
AI/AN	9/16	12/22	9/16	14/29	25/45	56.3	54.5	56.3	48.3	55.6
NHOPI	3/5	1/2	8/9	4/4	6/9	60.0	50.0	88.9	100.0	66.7
Multirace	5/7	8/13	10/18	16/26	13/27	71.4	61.5	55.6	61.5	48.1
<b>MSW Total†</b>	<b>982/1773</b>	<b>1096/2028</b>	<b>1287/2500</b>	<b>1523/3006</b>	<b>1739/3452</b>	<b>55.4</b>	<b>54.0</b>	<b>51.5</b>	<b>50.7</b>	<b>50.4</b>

Abbreviations MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
White	40/407	59/553	68/715	99/950	114/1149	9.8	10.7	9.5	10.4	9.9
Black	91/1044	95/1138	117/1407	154/1574	170/1657	8.7	8.3	8.3	9.8	10.3
Hispanic	54/407	52/473	61/564	72/696	91/864	13.3	11.0	10.8	10.3	10.5
Asian	1/23	6/29	7/32	2/49	8/62	4.3	20.7	21.9	4.1	12.9
AI/AN	0/10	0/19	0/17	4/27	1/42	0.0	0.0	0.0	14.8	2.4
NHOPI	1/5	0/2	1/9	1/4	1/9	20.0	0.0	11.1	25.0	11.1
Multirace	1/9	0/13	1/25	1/29	4/30	11.1	0.0	4.0	3.4	13.3
<b>MSW Total†</b>	<b>193/1963</b>	<b>216/2296</b>	<b>271/2906</b>	<b>342/3457</b>	<b>401/3972</b>	<b>9.8</b>	<b>9.4</b>	<b>9.3</b>	<b>9.9</b>	<b>10.1</b>
<b>Had sex while high/intoxicated</b>										
White	156/386	254/520	317/681	418/880	504/1072	40.4	48.8	46.5	47.5	47.0
Black	395/1032	464/1149	541/1394	642/1561	676/1659	38.3	40.4	38.8	41.1	40.7
Hispanic	168/407	189/462	226/555	301/685	342/853	41.3	40.9	40.7	43.9	40.1
Asian	6/23	8/28	10/32	13/45	14/57	26.1	28.6	31.3	28.9	24.6
AI/AN	7/11	15/19	10/17	17/26	21/43	63.6	78.9	58.8	65.4	48.8
NHOPI	2/4	1/2	2/7	0/3	3/9	50.0	50.0	28.6	0.0	33.3
Multirace	4/9	6/14	12/21	10/21	15/29	44.4	42.9	57.1	47.6	51.7
<b>MSW Total†</b>	<b>756/1931</b>	<b>960/2262</b>	<b>1154/2838</b>	<b>1440/3347</b>	<b>1639/3879</b>	<b>39.2</b>	<b>42.4</b>	<b>40.7</b>	<b>43.0</b>	<b>42.3</b>
<b>Had sex with person who injects drugs</b>										
White	21/356	55/485	77/643	96/798	156/967	5.9	11.3	12.0	12.0	16.1
Black	22/969	28/1041	40/1320	60/1456	76/1534	2.3	2.7	3.0	4.1	5.0
Hispanic	17/375	30/409	38/483	33/603	72/744	4.5	7.3	7.9	5.5	9.7
Asian	0/22	1/24	0/23	0/39	2/48	0.0	4.2	0.0	0.0	4.2
AI/AN	2/10	4/19	4/15	5/24	6/34	20.0	21.1	26.7	20.8	17.6
NHOPI	0/4	0/2	0/7	0/4	0/7	0.0	0.0	0.0	0.0	0.0
Multirace	1/8	0/13	0/20	0/17	4/25	12.5	0.0	0.0	0.0	16.0
<b>MSW Total†</b>	<b>64/1801</b>	<b>119/2053</b>	<b>167/2628</b>	<b>201/3052</b>	<b>325/3499</b>	<b>3.6</b>	<b>5.8</b>	<b>6.4</b>	<b>6.6</b>	<b>9.3</b>

Abbreviations MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex with anonymous partner</b>										
White	183/405	248/558	325/716	436/933	493/1144	45.2	44.4	45.4	46.7	43.1
Black	390/1006	467/1087	542/1282	626/1440	682/1526	38.8	43.0	42.3	43.5	44.7
Hispanic	208/410	219/477	286/558	326/702	363/861	50.7	45.9	51.3	46.4	42.2
Asian	13/25	15/27	20/31	26/49	33/62	52.0	55.6	64.5	53.1	53.2
AI/AN	1/12	7/22	7/15	8/26	14/45	8.3	31.8	46.7	30.8	31.1
NHOPI	2/5	0/2	5/8	1/3	4/8	40.0	0.0	62.5	33.3	50.0
Multirace	5/7	5/16	7/22	11/28	12/31	71.4	31.3	31.8	39.3	38.7
<b>MSW Total†</b>	<b>828/1929</b>	<b>988/2260</b>	<b>1256/2771</b>	<b>1493/3312</b>	<b>1670/3848</b>	<b>42.9</b>	<b>43.7</b>	<b>45.3</b>	<b>45.1</b>	<b>43.4</b>
<b>Met a sex partner through the internet</b>										
White	36/394	82/519	101/679	112/827	156/1016	9.1	15.8	14.9	13.5	15.4
Black	86/1001	103/1084	131/1307	187/1430	223/1490	8.6	9.5	10.0	13.1	15.0
Hispanic	34/389	43/445	49/531	78/639	93/753	8.7	9.7	9.2	12.2	12.4
Asian	5/23	1/26	2/30	4/44	12/53	21.7	3.8	6.7	9.1	22.6
AI/AN	0/10	3/15	1/10	3/24	4/38	0.0	20.0	10.0	12.5	10.5
NHOPI	0/4	0/2	1/7	1/3	1/8	0.0	0.0	14.3	33.3	12.5
Multirace	4/9	3/16	2/22	6/27	4/28	44.4	18.8	9.1	22.2	14.3
<b>MSW Total†</b>	<b>168/1886</b>	<b>242/2168</b>	<b>303/2709</b>	<b>403/3099</b>	<b>508/3517</b>	<b>8.9</b>	<b>11.2</b>	<b>11.2</b>	<b>13.0</b>	<b>14.4</b>
<b>Had 0–1 sex partners</b>										
White	169/421	226/546	311/737	416/928	498/1126	40.1	41.4	42.2	44.8	44.2
Black	365/1047	348/1064	476/1322	484/1437	547/1549	34.9	32.7	36.0	33.7	35.3
Hispanic	153/420	182/478	200/578	265/694	319/849	36.4	38.1	34.6	38.2	37.6
Asian	9/24	14/29	12/34	30/60	26/58	37.5	48.3	35.3	50.0	44.8
AI/AN	6/10	6/16	5/14	12/29	18/47	60.0	37.5	35.7	41.4	38.3
NHOPI	3/5	1/2	2/9	2/4	4/9	60.0	50.0	22.2	50.0	44.4
Multirace	1/9	6/15	11/25	12/27	10/30	11.1	40.0	44.0	44.4	33.3
<b>MSW Total†</b>	<b>738/1995</b>	<b>824/2228</b>	<b>1080/2849</b>	<b>1278/3311</b>	<b>1487/3827</b>	<b>37.0</b>	<b>37.0</b>	<b>37.9</b>	<b>38.6</b>	<b>38.9</b>

Abbreviations MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 2–5 sex partners</b>										
White	221/421	277/546	358/737	452/928	537/1126	52.5	50.7	48.6	48.7	47.7
Black	588/1047	602/1064	714/1322	790/1437	833/1549	56.2	56.6	54.0	55.0	53.8
Hispanic	230/420	256/478	327/578	362/694	440/849	54.8	53.6	56.6	52.2	51.8
Asian	12/24	14/29	20/34	27/60	28/58	50.0	48.3	58.8	45.0	48.3
AI/AN	3/10	9/16	8/14	16/29	26/47	30.0	56.3	57.1	55.2	55.3
NHOPI	1/5	1/2	6/9	2/4	4/9	20.0	50.0	66.7	50.0	44.4
Multirace	7/9	8/15	12/25	14/27	17/30	77.8	53.3	48.0	51.9	56.7
<b>MSW Total†</b>	<b>1089/1995</b>	<b>1199/2228</b>	<b>1504/2849</b>	<b>1727/3311</b>	<b>1972/3827</b>	<b>54.6</b>	<b>53.8</b>	<b>52.8</b>	<b>52.2</b>	<b>51.5</b>
<b>Had ≥6 sex partners</b>										
White	31/421	43/546	68/737	60/928	91/1126	7.4	7.9	9.2	6.5	8.1
Black	94/1047	114/1064	132/1322	163/1437	169/1549	9.0	10.7	10.0	11.3	10.9
Hispanic	37/420	40/478	51/578	67/694	90/849	8.8	8.4	8.8	9.7	10.6
Asian	3/24	1/29	2/34	3/60	4/58	12.5	3.4	5.9	5.0	6.9
AI/AN	1/10	1/16	1/14	1/29	3/47	10.0	6.3	7.1	3.4	6.4
NHOPI	1/5	0/2	1/9	0/4	1/9	20.0	0.0	11.1	0.0	11.1
Multirace	1/9	1/15	2/25	1/27	3/30	11.1	6.7	8.0	3.7	10.0
<b>MSW Total†</b>	<b>168/1995</b>	<b>205/2228</b>	<b>265/2849</b>	<b>306/3311</b>	<b>368/3827</b>	<b>8.4</b>	<b>9.2</b>	<b>9.3</b>	<b>9.2</b>	<b>9.6</b>
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
White	51/398	85/541	106/694	174/920	242/1123	12.8	15.7	15.3	18.9	21.5
Black	232/1021	227/1124	266/1367	303/1533	314/1636	22.7	20.2	19.5	19.8	19.2
Hispanic	67/394	101/456	98/531	138/663	211/830	17.0	22.1	18.5	20.8	25.4
Asian	1/22	0/29	3/30	0/47	6/59	4.5	0.0	10.0	0.0	10.2
AI/AN	5/11	5/19	5/14	11/26	19/48	45.5	26.3	35.7	42.3	39.6
NHOPI	0/4	0/2	0/8	0/3	3/9	0.0	0.0	0.0	0.0	33.3
Multirace	2/9	2/16	4/24	6/29	8/32	22.2	12.5	16.7	20.7	25.0
<b>MSW Total†</b>	<b>363/1917</b>	<b>426/2256</b>	<b>496/2796</b>	<b>645/3348</b>	<b>831/3894</b>	<b>18.9</b>	<b>18.9</b>	<b>17.7</b>	<b>19.3</b>	<b>21.3</b>

Abbreviations MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>History of prior STD ever</b>										
White	86/367	111/454	154/596	205/731	249/913	23.4	24.4	25.8	28.0	27.3
Black	417/963	429/967	507/1154	616/1252	615/1327	43.3	44.4	43.9	49.2	46.3
Hispanic	99/377	123/404	143/475	191/587	252/697	26.3	30.4	30.1	32.5	36.2
Asian	4/21	5/25	5/25	14/41	8/44	19.0	20.0	20.0	34.1	18.2
AI/AN	4/12	3/10	2/10	9/22	8/33	33.3	30.0	20.0	40.9	24.2
NHOPI	3/5	2/2	0/5	0/3	3/6	60.0	100.0	0.0	0.0	50.0
Multirace	6/9	9/14	10/23	17/28	15/26	66.7	64.3	43.5	60.7	57.7
<b>MSW Total†</b>	<b>633/1811</b>	<b>688/1930</b>	<b>841/2391</b>	<b>1084/2753</b>	<b>1190/3167</b>	<b>35.0</b>	<b>35.6</b>	<b>35.2</b>	<b>39.4</b>	<b>37.6</b>
<b>Living with HIV</b>										
White	34/326	38/445	43/549	59/779	59/1001	10.4	8.5	7.8	7.6	5.9
Black	120/899	126/958	141/1158	174/1346	173/1431	13.3	13.2	12.2	12.9	12.1
Hispanic	27/379	38/403	32/383	56/663	60/843	7.1	9.4	8.4	8.4	7.1
Asian	1/16	1/24	2/20	10/52	2/51	6.3	4.2	10.0	19.2	3.9
AI/AN	0/8	0/10	0/9	3/25	2/35	0.0	0.0	0.0	12.0	5.7
NHOPI	0/3	0/1	1/5	0/2	1/6	0.0	0.0	20.0	0.0	16.7
Multirace	4/9	5/14	2/17	2/27	6/31	44.4	35.7	11.8	25.9	19.4
<b>MSW Total†</b>	<b>192/1694</b>	<b>210/1916</b>	<b>230/2230</b>	<b>320/3002</b>	<b>312/3543</b>	<b>11.3</b>	<b>11.0</b>	<b>10.3</b>	<b>10.7</b>	<b>8.8</b>

Abbreviations MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
White	24/229	47/308	80/466	127/657	202/927	10.5	15.3	17.2	19.3	21.8
Black	7/685	12/766	10/907	8/1055	19/1149	1.0	1.6	1.1	0.8	1.7
Hispanic	11/129	19/181	16/232	21/343	41/429	8.5	10.5	6.9	6.1	9.6
Asian	0/8	0/7	1/16	2/25	2/21	0.0	0.0	6.3	8.0	9.5
AI/AN	0/12	2/24	2/14	6/32	10/48	0.0	8.3	14.3	18.8	20.8
NHOPI	0/3	0/1	0/2	0/5	1/7	0.0	0.0	0.0	0.0	14.3
Multirace	0/7	0/14	5/20	5/30	3/24	0.0	0.0	25.0	16.7	12.5
<b>Women Total†</b>	<b>44/1109</b>	<b>81/1329</b>	<b>119/1701</b>	<b>179/2214</b>	<b>281/2677</b>	<b>4.0</b>	<b>6.1</b>	<b>7.0</b>	<b>8.1</b>	<b>10.5</b>
<b>Used methamphetamine</b>										
White	37/223	49/315	102/470	161/679	269/928	16.6	15.6	21.7	23.7	29.0
Black	8/632	12/679	17/849	31/1017	34/1076	1.3	1.8	2.0	3.0	3.2
Hispanic	18/165	25/249	49/301	79/435	102/524	10.9	10.0	16.3	18.2	19.5
Asian	0/12	0/11	3/21	9/31	6/29	0.0	0.0	14.3	29.0	20.7
AI/AN	1/19	1/49	3/20	9/33	23/57	5.3	2.0	15.0	27.3	40.4
NHOPI	0/3	0/2	1/4	0/6	3/8	0.0	0.0	25.0	0.0	37.5
Multirace	1/7	1/12	4/17	7/28	8/30	14.3	8.3	23.5	25.0	26.7
<b>Women Total†</b>	<b>69/1106</b>	<b>92/1361</b>	<b>184/1735</b>	<b>317/2311</b>	<b>456/2746</b>	<b>6.2</b>	<b>6.8</b>	<b>10.6</b>	<b>13.7</b>	<b>16.6</b>
<b>Used heroin</b>										
White	9/222	17/313	35/466	65/675	103/910	4.1	5.4	7.5	9.6	11.3
Black	3/634	10/681	10/848	13/1016	15/1072	0.5	1.5	1.2	1.3	1.4
Hispanic	10/166	11/248	8/300	15/436	26/514	6.0	4.4	2.7	3.4	5.1
Asian	0/12	0/11	0/21	2/28	1/29	0.0	0.0	0.0	7.1	3.4
AI/AN	0/19	1/49	2/19	5/34	6/53	0.0	2.0	10.5	14.7	11.3
NHOPI	0/3	0/2	0/4	0/6	1/8	0.0	0.0	0.0	0.0	12.5
Multirace	0/7	1/12	1/17	3/27	3/30	0.0	8.3	5.9	11.1	10.0
<b>Women Total†</b>	<b>23/1108</b>	<b>42/1359</b>	<b>59/1728</b>	<b>109/2301</b>	<b>156/2708</b>	<b>2.1</b>	<b>3.1</b>	<b>3.4</b>	<b>4.7</b>	<b>5.8</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used cocaine</b>										
White	17/220	24/314	29/465	55/675	73/905	7.7	7.6	6.2	8.1	8.1
Black	16/635	29/681	25/852	41/1017	42/1073	2.5	4.3	2.9	4.0	3.9
Hispanic	12/166	11/248	15/300	15/436	27/514	7.2	4.4	5.0	3.4	5.3
Asian	0/12	0/11	0/21	1/29	1/29	0.0	0.0	0.0	3.4	3.4
AI/AN	0/19	1/49	0/19	2/33	3/55	0.0	2.0	0.0	6.1	5.5
NHOPI	0/3	0/2	0/4	0/6	0/8	0.0	0.0	0.0	0.0	0.0
Multirace	1/7	1/12	1/17	1/27	1/29	14.3	8.3	5.9	3.7	3.4
<b>Women Total†</b>	<b>48/1107</b>	<b>67/1360</b>	<b>72/1730</b>	<b>118/2302</b>	<b>150/2705</b>	<b>4.3</b>	<b>4.9</b>	<b>4.2</b>	<b>5.1</b>	<b>5.5</b>
<b>Used crack</b>										
White	13/221	27/314	30/465	39/673	47/901	5.9	8.6	6.5	5.8	5.2
Black	22/635	30/683	32/853	31/1018	25/1073	3.5	4.4	3.8	3.0	2.3
Hispanic	4/166	6/248	4/297	6/435	12/514	2.4	2.4	1.3	1.4	2.3
Asian	0/12	0/11	0/21	3/29	0/29	0.0	0.0	0.0	10.3	0.0
AI/AN	0/19	2/49	0/19	1/33	2/55	0.0	4.1	0.0	3.0	3.6
NHOPI	0/3	0/2	0/4	0/6	0/8	0.0	0.0	0.0	0.0	0.0
Multirace	1/7	0/12	0/17	0/27	0/29	14.3	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>42/1108</b>	<b>65/1362</b>	<b>68/1729</b>	<b>82/2300</b>	<b>86/2701</b>	<b>3.8</b>	<b>4.8</b>	<b>3.9</b>	<b>3.6</b>	<b>3.2</b>
<b>Used nitrates/poppers</b>										
White	4/222	4/313	6/459	4/650	9/857	1.8	1.3	1.3	0.6	1.1
Black	3/630	3/679	3/845	3/988	5/1064	0.5	0.4	0.4	0.3	0.5
Hispanic	0/164	2/247	2/299	3/429	2/503	0.0	0.8	0.7	0.7	0.4
Asian	0/12	0/11	0/21	2/29	0/28	0.0	0.0	0.0	6.9	0.0
AI/AN	0/19	0/49	0/19	0/28	0/40	0.0	0.0	0.0	0.0	0.0
NHOPI	0/3	0/2	0/4	0/6	0/8	0.0	0.0	0.0	0.0	0.0
Multirace	0/7	1/12	1/17	0/24	0/27	0.0	8.3	5.9	0.0	0.0
<b>Women Total†</b>	<b>7/1102</b>	<b>10/1356</b>	<b>14/1717</b>	<b>13/2233</b>	<b>16/2618</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.6</b>	<b>0.6</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used erectile dysfunction medications</b>										
White	1/221	0/312	1/456	1/653	1/863	0.5	0.0	0.2	0.2	0.1
Black	0/626	1/674	1/834	2/995	1/1060	0.0	0.1	0.1	0.2	0.1
Hispanic	0/165	0/246	1/298	0/435	2/509	0.0	0.0	0.3	0.0	0.4
Asian	0/12	0/11	0/21	0/29	0/29	0.0	0.0	0.0	0.0	0.0
AI/AN	0/18	0/49	0/18	0/29	0/43	0.0	0.0	0.0	0.0	0.0
NHOPI	0/3	0/2	1/4	0/6	0/8	0.0	0.0	25.0	0.0	0.0
Multirace	0/7	0/12	0/17	0/24	0/27	0.0	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>1/1096</b>	<b>1/1349</b>	<b>4/1701</b>	<b>3/2247</b>	<b>4/2632</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>
<b>Used other drug(s)</b>										
White	52/222	87/313	122/466	180/673	243/904	23.4	27.8	26.2	26.7	26.9
Black	155/635	174/687	208/876	231/1022	225/1092	24.4	25.3	23.7	22.6	20.6
Hispanic	34/166	51/247	75/305	92/437	97/516	20.5	20.6	24.6	21.1	18.8
Asian	1/12	1/11	1/21	7/29	5/29	8.3	9.1	4.8	24.1	17.2
AI/AN	1/19	4/48	4/20	7/31	15/54	5.3	8.3	20.0	22.6	27.8
NHOPI	0/3	0/2	1/4	0/6	2/8	0.0	0.0	25.0	0.0	25.0
Multirace	1/7	5/12	7/18	9/26	8/29	14.3	41.7	38.9	34.6	27.6
<b>Women Total†</b>	<b>255/1109</b>	<b>331/1363</b>	<b>423/1763</b>	<b>546/2305</b>	<b>603/2723</b>	<b>23.0</b>	<b>24.3</b>	<b>24.0</b>	<b>23.7</b>	<b>22.1</b>
<b>Used no drugs</b>										
White	128/223	175/313	220/464	327/671	407/920	57.4	55.9	47.4	48.7	44.2
Black	373/629	404/678	493/833	532/993	563/1012	59.3	59.6	59.2	53.6	55.6
Hispanic	97/166	150/246	170/295	257/428	288/510	58.4	61.0	57.6	60.0	56.5
Asian	10/12	8/11	14/21	16/31	16/28	83.3	72.7	66.7	51.6	57.1
AI/AN	15/20	40/50	10/20	20/33	19/56	75.0	80.0	50.0	60.6	33.9
NHOPI	3/3	1/2	2/4	6/6	5/8	100.0	50.0	50.0	100.0	62.5
Multirace	6/7	7/12	8/18	14/27	15/31	85.7	58.3	44.4	51.9	48.4
<b>Women Total†</b>	<b>660/1105</b>	<b>814/1356</b>	<b>949/1707</b>	<b>1213/2267</b>	<b>1375/2656</b>	<b>59.7</b>	<b>60.0</b>	<b>55.6</b>	<b>53.5</b>	<b>51.8</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
White	29/250	47/355	76/510	116/739	148/997	11.6	13.2	14.9	15.7	14.8
Black	53/725	61/791	61/951	84/1108	66/1162	7.3	7.7	6.4	7.6	5.7
Hispanic	18/168	20/252	31/301	34/430	48/513	10.7	7.9	10.3	7.9	9.4
Asian	0/13	1/10	1/19	2/30	4/28	0.0	10.0	5.3	6.7	14.3
AI/AN	0/14	4/25	3/19	2/31	5/46	0.0	16.0	15.8	6.5	10.9
NHOPI	0/3	0/2	1/3	0/7	0/8	0.0	0.0	33.3	0.0	0.0
Multirace	1/8	0/15	3/18	2/34	2/28	12.5	0.0	16.7	5.9	7.1
<b>Women Total†</b>	<b>104/1226</b>	<b>135/1488</b>	<b>181/1871</b>	<b>246/2449</b>	<b>276/2863</b>	<b>8.5</b>	<b>9.1</b>	<b>9.7</b>	<b>10.0</b>	<b>9.6</b>
<b>Had sex while high/intoxicated</b>										
White	91/244	129/335	218/474	332/700	478/949	37.3	38.5	46.0	47.4	50.4
Black	182/712	203/785	242/952	295/1103	315/1170	25.6	25.9	25.4	26.7	26.9
Hispanic	62/170	68/250	90/302	133/428	183/517	36.5	27.2	29.8	31.1	35.4
Asian	0/11	0/9	5/20	12/28	7/28	0.0	0.0	25.0	42.9	25.0
AI/AN	5/12	16/25	10/17	22/32	29/56	41.7	64.0	58.8	68.8	51.8
NHOPI	0/3	1/2	1/4	1/7	1/9	0.0	50.0	25.0	14.3	11.1
Multirace	2/8	4/13	7/15	9/30	13/29	25.0	30.8	46.7	30.0	44.8
<b>Women Total†</b>	<b>352/1205</b>	<b>432/1457</b>	<b>583/1833</b>	<b>829/2401</b>	<b>1045/2844</b>	<b>29.2</b>	<b>29.6</b>	<b>31.8</b>	<b>34.5</b>	<b>36.7</b>
<b>Had sex with person who injects drugs</b>										
White	33/242	67/327	87/451	142/629	214/872	13.6	20.5	19.3	22.6	24.5
Black	12/686	18/730	17/888	13/1046	35/1111	1.7	2.5	1.9	1.2	3.2
Hispanic	16/160	24/231	22/275	38/361	53/458	10.0	10.4	8.0	10.5	11.6
Asian	0/12	1/10	0/18	3/21	2/21	0.0	10.0	0.0	14.3	9.5
AI/AN	0/9	2/21	3/17	8/28	14/50	0.0	9.5	17.6	28.6	28.0
NHOPI	0/3	0/2	0/3	0/7	0/7	0.0	0.0	0.0	0.0	0.0
Multirace	0/4	0/12	3/15	5/27	3/22	0.0	0.0	20.0	18.5	13.6
<b>Women Total†</b>	<b>64/1157</b>	<b>113/1362</b>	<b>135/1710</b>	<b>217/2188</b>	<b>325/2615</b>	<b>5.5</b>	<b>8.3</b>	<b>7.9</b>	<b>9.9</b>	<b>12.4</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex with anonymous partner</b>										
White	57/251	84/364	124/512	215/748	258/1010	22.7	23.1	24.2	28.7	25.5
Black	113/703	154/757	145/877	184/1039	202/1106	16.1	20.3	16.5	17.7	18.3
Hispanic	37/173	43/253	59/302	80/434	120/526	21.4	17.0	19.5	18.4	22.8
Asian	3/14	1/11	4/20	8/31	7/28	21.4	9.1	20.0	25.8	25.0
AI/AN	0/14	4/26	7/19	4/33	10/56	0.0	15.4	36.8	12.1	17.9
NHOPI	0/3	0/2	1/4	0/7	0/6	0.0	0.0	25.0	0.0	0.0
Multirace	1/4	0/14	3/16	5/35	6/25	25.0	0.0	18.8	14.3	24.0
<b>Women Total†</b>	<b>219/1208</b>	<b>293/1469</b>	<b>350/1805</b>	<b>513/2406</b>	<b>621/2849</b>	<b>18.1</b>	<b>19.9</b>	<b>19.4</b>	<b>21.3</b>	<b>21.8</b>
<b>Had sex with an MSM (female cases only)</b>										
White	11/229	23/310	28/451	57/628	62/838	4.8	7.4	6.2	9.1	7.4
Black	16/656	14/686	17/831	19/967	34/1044	2.4	2.0	2.0	2.0	3.3
Hispanic	5/158	9/216	14/278	14/394	18/449	3.2	4.2	5.0	3.6	4.0
Asian	1/10	0/10	4/18	2/25	4/23	10.0	0.0	22.2	8.0	17.4
AI/AN	0/10	0/19	2/16	3/26	2/37	0.0	0.0	12.5	11.5	5.4
NHOPI	1/3	0/2	0/3	0/6	0/6	33.3	0.0	0.0	0.0	0.0
Multirace	0/4	0/9	1/12	4/25	2/22	0.0	0.0	8.3	16.0	9.1
<b>Women Total†</b>	<b>35/1111</b>	<b>47/1287</b>	<b>69/1657</b>	<b>104/2139</b>	<b>128/2495</b>	<b>3.2</b>	<b>3.7</b>	<b>4.2</b>	<b>4.9</b>	<b>5.1</b>
<b>Met a sex partner through the internet</b>										
White	23/235	32/337	46/455	89/667	119/917	9.8	9.5	10.1	13.3	13.0
Black	49/695	66/774	79/918	102/1033	111/1090	7.1	8.5	8.6	9.9	10.2
Hispanic	20/159	32/232	33/280	37/390	55/456	12.6	13.8	11.8	9.5	12.1
Asian	1/10	0/10	1/18	5/25	4/27	10.0	0.0	5.6	20.0	14.8
AI/AN	1/10	3/17	1/14	2/22	7/39	10.0	17.6	7.1	9.1	17.9
NHOPI	0/2	0/2	1/2	0/5	0/6	0.0	0.0	50.0	0.0	0.0
Multirace	0/8	1/15	1/18	1/28	1/28	0.0	6.7	5.6	3.6	3.6
<b>Women Total†</b>	<b>96/1161</b>	<b>135/1422</b>	<b>163/1753</b>	<b>242/2231</b>	<b>306/2639</b>	<b>8.3</b>	<b>9.5</b>	<b>9.3</b>	<b>10.8</b>	<b>11.6</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 0–1 sex partners</b>										
White	120/244	163/352	218/491	336/742	433/1021	49.2	46.3	44.4	45.3	42.4
Black	342/722	371/749	481/911	519/1039	569/1103	47.4	49.5	52.8	50.0	51.6
Hispanic	72/178	128/247	161/313	243/447	285/543	40.4	51.8	51.4	54.4	52.5
Asian	9/13	4/11	11/20	12/31	20/29	69.2	36.4	55.0	38.7	69.0
AI/AN	8/13	8/25	11/20	19/36	22/59	61.5	32.0	55.0	52.8	37.3
NHOPI	2/2	2/2	1/3	4/6	6/7	100.0	100.0	33.3	66.7	85.7
Multirace	3/8	7/14	9/15	10/31	15/35	37.5	50.0	60.0	32.3	42.9
<b>Women Total†</b>	<b>583/1226</b>	<b>699/1442</b>	<b>925/1832</b>	<b>1180/2411</b>	<b>1411/2903</b>	<b>47.6</b>	<b>48.5</b>	<b>50.5</b>	<b>48.9</b>	<b>48.6</b>
<b>Had 2–5 sex partners</b>										
White	103/244	158/352	220/491	309/742	473/1021	42.2	44.9	44.8	41.6	46.3
Black	334/722	332/749	389/911	460/1039	493/1103	46.3	44.3	42.7	44.3	44.7
Hispanic	86/178	100/247	133/313	168/447	219/543	48.3	40.5	42.5	37.6	40.3
Asian	4/13	7/11	7/20	12/31	6/29	30.8	63.6	35.0	38.7	20.7
AI/AN	5/13	15/25	4/20	15/36	31/59	38.5	60.0	20.0	41.7	52.5
NHOPI	0/2	0/2	0/3	2/6	1/7	0.0	0.0	0.0	33.3	14.3
Multirace	3/8	6/14	6/15	19/31	18/35	37.5	42.9	40.0	61.3	51.4
<b>Women Total†</b>	<b>553/1226</b>	<b>643/1442</b>	<b>781/1832</b>	<b>1022/2411</b>	<b>1282/2903</b>	<b>45.1</b>	<b>44.6</b>	<b>42.6</b>	<b>42.4</b>	<b>44.2</b>
<b>Had ≥6 sex partners</b>										
White	21/244	31/352	53/491	97/742	115/1021	8.6	8.8	10.8	13.1	11.3
Black	46/722	46/749	41/911	60/1039	41/1103	6.4	6.1	4.5	5.8	3.7
Hispanic	20/178	19/247	19/313	36/447	39/543	11.2	7.7	6.1	8.1	7.2
Asian	0/13	0/11	2/20	7/31	3/29	0.0	0.0	10.0	22.6	10.3
AI/AN	0/13	2/25	5/20	2/36	6/59	0.0	8.0	25.0	5.6	10.2
NHOPI	0/2	0/2	2/3	0/6	0/7	0.0	0.0	66.7	0.0	0.0
Multirace	2/8	1/14	0/15	2/31	2/35	25.0	7.1	0.0	6.5	5.7
<b>Women Total†</b>	<b>90/1226</b>	<b>100/1442</b>	<b>126/1832</b>	<b>209/2411</b>	<b>210/2903</b>	<b>7.3</b>	<b>6.9</b>	<b>6.9</b>	<b>8.7</b>	<b>7.2</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 3d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by race and Hispanic ethnicity, United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
White	32/244	58/340	99/488	154/719	222/968	13.1	17.1	20.3	21.4	22.9
Black	68/713	75/787	65/932	92/1090	90/1159	9.5	9.5	7.0	8.4	7.8
Hispanic	28/167	35/244	38/287	65/417	76/503	16.8	14.3	13.2	15.6	15.1
Asian	0/12	0/10	1/16	5/29	5/27	0.0	0.0	6.3	17.2	18.5
AI/AN	2/14	4/22	6/17	14/32	17/58	14.3	18.2	35.3	43.8	29.3
NHOPI	0/3	0/2	0/3	2/7	0/7	0.0	0.0	0.0	28.6	0.0
Multirace	0/8	1/14	4/17	5/28	7/30	0.0	7.1	23.5	17.9	23.3
<b>Women Total†</b>	<b>136/1207</b>	<b>179/1458</b>	<b>221/1810</b>	<b>352/2398</b>	<b>419/2840</b>	<b>11.3</b>	<b>12.3</b>	<b>12.2</b>	<b>14.7</b>	<b>14.8</b>
<b>History of prior STD ever</b>										
White	82/225	120/297	186/413	269/630	440/875	36.4	40.4	45.0	42.7	50.3
Black	345/682	337/700	423/829	530/932	553/972	50.6	48.1	51.0	56.9	56.9
Hispanic	68/158	92/215	117/258	177/364	214/451	43.0	42.8	45.3	48.6	47.5
Asian	1/9	5/9	5/18	15/24	7/19	11.1	55.6	27.8	62.5	36.8
AI/AN	3/11	8/14	6/13	17/25	33/45	27.3	57.1	46.2	68.0	73.3
NHOPI	0/2	0/1	0/1	3/6	1/6	0.0	0.0	0.0	50.0	16.7
Multirace	3/7	7/13	7/15	13/24	15/25	42.9	53.8	46.7	54.2	60.0
<b>Women Total†</b>	<b>515/1140</b>	<b>587/1286</b>	<b>764/1596</b>	<b>1055/2065</b>	<b>1294/2465</b>	<b>45.2</b>	<b>45.6</b>	<b>47.9</b>	<b>51.1</b>	<b>52.5</b>
<b>Living with HIV</b>										
White	8/210	12/288	13/373	18/675	24/924	3.8	4.2	3.5	2.7	2.6
Black	35/630	47/674	33/824	56/1002	72/1104	5.6	7.0	4.0	5.6	6.5
Hispanic	10/154	11/229	6/195	15/401	18/538	6.5	4.8	3.1	3.7	3.3
Asian	0/11	0/9	0/15	1/27	2/28	0.0	0.0	0.0	3.7	7.1
AI/AN	1/9	0/16	0/11	1/27	3/43	11.1	0.0	0.0	3.7	7.0
NHOPI	0/3	0/2	0/1	0/7	0/4	0.0	0.0	0.0	0.0	0.0
Multirace	0/6	1/14	0/13	0/23	1/28	0.0	7.1	0.0	0.0	3.6
<b>Women Total†</b>	<b>58/1059</b>	<b>71/1266</b>	<b>52/1473</b>	<b>92/2230</b>	<b>124/2760</b>	<b>5.5</b>	<b>5.6</b>	<b>3.5</b>	<b>4.1</b>	<b>4.5</b>

Abbreviations: AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases with other and unknown race/Hispanic ethnicity.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
15–19	8/637	9/767	14/871	22/991	33/1051	1.3	1.2	1.6	2.2	3.1
20–24	40/2514	69/3126	72/3545	92/3827	118/3997	1.6	2.2	2.0	2.4	3.0
25–29	83/2233	106/2955	127/3710	173/4410	250/4869	3.7	3.6	3.4	3.9	5.1
30–34	73/1541	113/2030	98/2435	155/2948	195/3402	4.7	5.6	4.0	5.3	5.7
35–39	50/1127	77/1404	90/1683	113/2029	156/2395	4.4	5.5	5.3	5.6	6.5
40–44	62/1052	68/1213	59/1282	72/1365	107/1550	5.9	5.6	4.6	5.3	6.9
45–54	64/1523	78/1899	85/2152	86/2458	133/2708	4.2	4.1	3.9	3.5	4.9
55–64	7/466	13/578	23/738	31/892	47/1065	1.5	2.2	3.1	3.5	4.4
≥65	1/106	0/111	1/128	1/192	3/226	0.9	0.0	0.8	0.5	1.3
<b>US Total†</b>	<b>388/11221</b>	<b>534/14097</b>	<b>569/16552</b>	<b>745/19126</b>	<b>1042/21277</b>	<b>3.5</b>	<b>3.8</b>	<b>3.4</b>	<b>3.9</b>	<b>4.9</b>
<b>Used methamphetamine</b>										
15–19	16/654	24/778	37/879	47/992	51/1055	2.4	3.1	4.2	4.7	4.8
20–24	123/2580	158/3044	159/3508	238/3852	256/4070	4.8	5.2	4.5	6.2	6.3
25–29	195/2406	220/2940	275/3652	363/4512	456/4877	8.1	7.5	7.5	8.0	9.4
30–34	194/1742	239/2045	248/2490	353/3172	408/3527	11.1	11.7	10.0	11.1	11.6
35–39	132/1268	142/1465	176/1705	268/2231	372/2544	10.4	9.7	10.3	12.0	14.6
40–44	132/1236	143/1285	132/1349	184/1550	210/1624	10.7	11.1	9.8	11.9	12.9
45–54	160/1894	170/2108	177/2448	225/2863	268/2853	8.4	8.1	7.2	7.9	9.4
55–64	32/557	36/652	45/829	56/1016	80/1136	5.7	5.5	5.4	5.5	7.0
≥65	1/126	4/133	3/154	3/201	4/248	0.8	3.0	1.9	1.5	1.6
<b>US Total†</b>	<b>987/12489</b>	<b>1136/14464</b>	<b>1253/17023</b>	<b>1738/20402</b>	<b>2106/21948</b>	<b>7.9</b>	<b>7.9</b>	<b>7.4</b>	<b>8.5</b>	<b>9.6</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used heroin</b>										
15–19	4/655	4/780	7/878	10/993	11/1053	0.6	0.5	0.8	1.0	1.0
20–24	14/2579	24/3046	43/3501	57/3840	56/4055	0.5	0.8	1.2	1.5	1.4
25–29	25/2399	33/2934	44/3648	71/4497	101/4861	1.0	1.1	1.2	1.6	2.1
30–34	19/1735	18/2038	31/2475	49/3156	95/3505	1.1	0.9	1.3	1.6	2.7
35–39	13/1265	18/1462	23/1698	36/2217	46/2509	1.0	1.2	1.4	1.6	1.8
40–44	4/1235	12/1284	10/1341	18/1543	29/1606	0.3	0.9	0.7	1.2	1.8
45–54	10/1884	16/2103	18/2431	26/2847	29/2839	0.5	0.8	0.7	0.9	1.0
55–64	4/558	6/652	6/829	12/1013	8/1132	0.7	0.9	0.7	1.2	0.7
≥65	2/127	0/133	0/153	0/201	0/248	1.6	0.0	0.0	0.0	0.0
<b>US Total†</b>	<b>95/12463</b>	<b>131/14446</b>	<b>182/16963</b>	<b>279/20320</b>	<b>375/21822</b>	<b>0.8</b>	<b>0.9</b>	<b>1.1</b>	<b>1.4</b>	<b>1.7</b>
<b>Used cocaine</b>										
15–19	9/656	11/779	23/877	23/992	21/1050	1.4	1.4	2.6	2.3	2.0
20–24	75/2578	108/3045	126/3503	125/3841	135/4050	2.9	3.5	3.6	3.3	3.3
25–29	113/2397	151/2939	158/3651	222/4503	212/4864	4.7	5.1	4.3	4.9	4.4
30–34	91/1735	98/2038	113/2483	135/3150	177/3507	5.2	4.8	4.6	4.3	5.0
35–39	56/1265	67/1463	75/1703	84/2220	102/2505	4.4	4.6	4.4	3.8	4.1
40–44	50/1235	44/1283	49/1340	51/1545	59/1610	4.0	3.4	3.7	3.3	3.7
45–54	48/1885	68/2102	65/2434	88/2853	92/2840	2.5	3.2	2.7	3.1	3.2
55–64	15/558	15/653	18/828	23/1012	24/1133	2.7	2.3	2.2	2.3	2.1
≥65	1/127	1/133	2/153	1/202	3/249	0.8	0.8	1.3	0.5	1.2
<b>US Total†</b>	<b>458/12462</b>	<b>563/14449</b>	<b>631/16981</b>	<b>753/20331</b>	<b>825/21822</b>	<b>3.7</b>	<b>3.9</b>	<b>3.7</b>	<b>3.7</b>	<b>3.8</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used crack</b>										
15–19	1/654	0/779	8/876	6/993	3/1053	0.2	0.0	0.9	0.6	0.3
20–24	14/2580	28/3043	32/3502	28/3838	35/4052	0.5	0.9	0.9	0.7	0.9
25–29	21/2397	35/2941	44/3646	46/4495	40/4856	0.9	1.2	1.2	1.0	0.8
30–34	28/1734	38/2041	35/2477	44/3151	46/3504	1.6	1.9	1.4	1.4	1.3
35–39	22/1266	27/1464	38/1701	31/2219	34/2503	1.7	1.8	2.2	1.4	1.4
40–44	21/1236	25/1282	30/1343	24/1541	16/1608	1.7	2.0	2.2	1.6	1.0
45–54	35/1883	45/2105	40/2432	51/2849	47/2836	1.9	2.1	1.6	1.8	1.7
55–64	10/558	19/652	13/827	14/1013	17/1131	1.8	2.9	1.6	1.4	1.5
≥65	3/127	1/133	2/153	1/201	3/248	2.4	0.8	1.3	0.5	1.2
<b>US Total†</b>	<b>156/12461</b>	<b>218/14454</b>	<b>242/16966</b>	<b>245/20313</b>	<b>241/21805</b>	<b>1.3</b>	<b>1.5</b>	<b>1.4</b>	<b>1.2</b>	<b>1.1</b>
<b>Used nitrates/poppers</b>										
15–19	8/653	7/775	8/869	21/981	16/1033	1.2	0.9	0.9	2.1	1.5
20–24	58/2577	81/3033	75/3489	87/3776	86/3952	2.3	2.7	2.1	2.3	2.2
25–29	95/2391	104/2921	96/3646	122/4423	152/4748	4.0	3.6	2.6	2.8	3.2
30–34	84/1732	85/2026	84/2461	95/3115	150/3434	4.8	4.2	3.4	3.0	4.4
35–39	68/1266	63/1460	69/1694	67/2183	95/2446	5.4	4.3	4.1	3.1	3.9
40–44	69/1234	64/1280	64/1338	63/1527	62/1586	5.6	5.0	4.8	4.1	3.9
45–54	97/1879	83/2094	75/2430	95/2812	127/2803	5.2	4.0	3.1	3.4	4.5
55–64	16/559	22/650	36/822	29/1004	24/1121	2.9	3.4	4.4	2.9	2.1
≥65	4/127	2/133	3/153	2/199	4/247	3.1	1.5	2.0	1.0	1.6
<b>US Total†</b>	<b>499/12444</b>	<b>511/14386</b>	<b>510/16911</b>	<b>581/20032</b>	<b>716/21384</b>	<b>4.0</b>	<b>3.6</b>	<b>3.0</b>	<b>2.9</b>	<b>3.3</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used erectile dysfunction medications</b>										
15–19	2/650	2/772	2/863	1/979	4/1036	0.3	0.3	0.2	0.1	0.4
20–24	7/2568	12/3021	16/3470	10/3796	8/4003	0.3	0.4	0.5	0.3	0.2
25–29	27/2390	29/2906	22/3627	24/4448	30/4801	1.1	1.0	0.6	0.5	0.6
30–34	31/1730	35/2022	29/2436	23/3128	40/3459	1.8	1.7	1.2	0.7	1.2
35–39	31/1265	22/1450	23/1680	27/2189	41/2474	2.5	1.5	1.4	1.2	1.7
40–44	40/1230	47/1274	29/1327	29/1528	35/1591	3.3	3.7	2.2	1.9	2.2
45–54	79/1880	78/2092	56/2417	59/2824	76/2825	4.2	3.7	2.3	2.1	2.7
55–64	34/558	23/645	42/822	28/1005	30/1123	6.1	3.6	5.1	2.8	2.7
≥65	12/126	7/133	10/151	3/200	12/248	9.5	5.3	6.6	1.5	4.8
<b>US Total†</b>	<b>263/12422</b>	<b>255/14329</b>	<b>229/16802</b>	<b>204/20109</b>	<b>276/21574</b>	<b>2.1</b>	<b>1.8</b>	<b>1.4</b>	<b>1.0</b>	<b>1.3</b>
<b>Used other drug(s)</b>										
15–19	190/660	199/779	244/884	281/999	267/1080	28.8	25.5	27.6	28.1	24.7
20–24	766/2587	840/3052	1045/3582	1039/3875	990/4123	29.6	27.5	29.2	26.8	24.0
25–29	660/2405	808/2949	981/3721	1122/4528	1165/4951	27.4	27.4	26.4	24.8	23.5
30–34	423/1735	543/2043	630/2527	691/3165	765/3562	24.4	26.6	24.9	21.8	21.5
35–39	280/1260	337/1461	387/1736	453/2223	497/2542	22.2	23.1	22.3	20.4	19.6
40–44	254/1231	273/1285	279/1372	270/1545	286/1618	20.6	21.2	20.3	17.5	17.7
45–54	383/1885	422/2104	432/2475	443/2863	421/2880	20.3	20.1	17.5	15.5	14.6
55–64	92/555	106/651	127/839	139/1018	145/1152	16.6	16.3	15.1	13.7	12.6
≥65	14/126	13/132	11/155	16/204	24/253	11.1	9.8	7.1	7.8	9.5
<b>US Total†</b>	<b>3068/12470</b>	<b>3544/14470</b>	<b>4139/17300</b>	<b>4458/20433</b>	<b>4565/22175</b>	<b>24.6</b>	<b>24.5</b>	<b>23.9</b>	<b>21.8</b>	<b>20.6</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used no drugs</b>										
15–19	377/656	467/768	474/851	529/972	573/1028	57.5	60.8	55.7	54.4	55.7
20–24	1466/2566	1710/3012	1857/3432	2012/3716	2113/3893	57.1	56.8	54.1	54.1	54.3
25–29	1372/2396	1693/2913	2006/3568	2422/4348	2552/4699	57.3	58.1	56.2	55.7	54.3
30–34	994/1727	1144/2020	1342/2437	1710/3079	1870/3425	57.6	56.6	55.1	55.5	54.6
35–39	722/1257	840/1453	953/1676	1220/2162	1348/2494	57.4	57.8	56.9	56.4	54.0
40–44	735/1232	737/1284	770/1338	865/1495	881/1585	59.7	57.4	57.5	57.9	55.6
45–54	1158/1889	1233/2094	1432/2412	1686/2784	1621/2756	61.3	58.9	59.4	60.6	58.8
55–64	367/554	409/648	491/820	618/989	693/1117	66.2	63.1	59.9	62.5	62.0
≥65	82/125	93/132	109/151	127/196	172/243	65.6	70.5	72.2	64.8	70.8
<b>US Total†</b>	<b>7287/12428</b>	<b>8337/14338</b>	<b>9438/16694</b>	<b>11196/19755</b>	<b>11830/21255</b>	<b>58.6</b>	<b>58.1</b>	<b>56.5</b>	<b>56.7</b>	<b>55.7</b>
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
15–19	25/726	21/846	36/954	45/1089	31/1157	3.4	2.5	3.8	4.1	2.7
20–24	109/2875	139/3358	148/3872	180/4134	178/4358	3.8	4.1	3.8	4.4	4.1
25–29	129/2553	177/3189	192/3974	229/4717	256/5199	5.1	5.6	4.8	4.9	4.9
30–34	84/1800	122/2170	139/2630	177/3184	200/3649	4.7	5.6	5.3	5.6	5.5
35–39	65/1316	88/1511	102/1826	139/2236	156/2613	4.9	5.8	5.6	6.2	6.0
40–44	63/1231	89/1323	72/1402	91/1507	113/1678	5.1	6.7	5.1	6.0	6.7
45–54	110/1810	124/2115	132/2419	170/2739	186/2967	6.1	5.9	5.5	6.2	6.3
55–64	48/551	62/663	74/834	93/995	109/1165	8.7	9.4	8.9	9.3	9.4
≥65	18/129	16/132	25/160	30/210	38/263	14.0	12.1	15.6	14.3	14.4
<b>US Total†</b>	<b>652/13018</b>	<b>838/15322</b>	<b>922/18079</b>	<b>1154/20825</b>	<b>1269/23069</b>	<b>5.0</b>	<b>5.5</b>	<b>5.1</b>	<b>5.5</b>	<b>5.5</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex while high/intoxicated</b>										
15–19	208/710	228/827	268/933	307/1066	321/1137	29.3	27.6	28.7	28.8	28.2
20–24	1002/2837	1152/3282	1333/3810	1482/4070	1471/4269	35.3	35.1	35.0	36.4	34.5
25–29	914/2518	1123/3152	1316/3874	1613/4609	1911/5133	36.3	35.6	34.0	35.0	37.2
30–34	641/1775	781/2127	874/2560	1085/3139	1285/3608	36.1	36.7	34.1	34.6	35.6
35–39	421/1294	499/1486	632/1801	744/2201	901/2576	32.5	33.6	35.1	33.8	35.0
40–44	323/1215	371/1307	389/1379	459/1490	527/1644	26.6	28.4	28.2	30.8	32.1
45–54	468/1774	531/2074	599/2430	745/2727	781/2908	26.4	25.6	24.7	27.3	26.9
55–64	112/531	159/650	193/816	224/967	263/1135	21.1	24.5	23.7	23.2	23.2
≥65	21/124	20/120	30/155	27/204	46/254	16.9	16.7	19.4	13.2	18.1
<b>US Total†</b>	<b>4177/12803</b>	<b>4868/15040</b>	<b>5637/17766</b>	<b>6692/20488</b>	<b>7508/22683</b>	<b>32.2</b>	<b>32.4</b>	<b>31.7</b>	<b>32.7</b>	<b>33.1</b>
<b>Had sex with person who injects drugs</b>										
15–19	11/691	22/749	36/873	26/984	31/1065	1.6	2.9	4.1	2.6	2.9
20–24	61/2653	111/3072	119/3539	144/3765	169/3944	2.3	3.6	3.4	3.8	4.3
25–29	109/2325	133/2888	174/3597	222/4271	319/4727	4.7	4.6	4.8	5.2	6.7
30–34	91/1625	153/1975	137/2366	199/2828	253/3297	5.6	7.7	5.8	7.0	7.7
35–39	60/1177	88/1357	111/1650	152/1963	196/2335	5.1	6.5	6.7	7.7	8.4
40–44	58/1086	85/1175	84/1246	80/1330	137/1487	5.3	7.2	6.7	6.0	9.2
45–54	94/1594	105/1851	134/2055	125/2312	196/2564	5.9	5.7	6.5	5.4	7.6
55–64	11/462	35/570	43/693	59/846	61/998	2.4	6.1	6.2	7.0	6.1
≥65	4/108	2/101	9/128	8/179	18/219	3.7	2.0	7.0	4.5	8.2
<b>US Total†</b>	<b>499/11746</b>	<b>734/13751</b>	<b>847/16155</b>	<b>1015/18490</b>	<b>1380/20654</b>	<b>4.2</b>	<b>5.3</b>	<b>5.2</b>	<b>5.5</b>	<b>6.7</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex with anonymous partner</b>										
15–19	275/724	311/830	398/904	414/1038	489/1119	38.0	37.5	44.0	39.9	43.7
20–24	1221/2827	1555/3280	1711/3659	1968/4007	2078/4186	43.2	47.4	46.8	49.1	49.6
25–29	1195/2511	1601/3135	1879/3790	2312/4568	2626/5072	47.6	51.1	49.6	50.6	51.6
30–34	905/1790	1119/2169	1314/2557	1603/3107	1856/3570	50.6	51.6	51.4	51.6	52.0
35–39	705/1314	804/1522	987/1767	1155/2202	1348/2555	53.7	52.8	55.9	52.5	52.8
40–44	692/1210	756/1295	750/1326	816/1471	888/1609	57.2	58.4	56.6	55.5	55.2
45–54	1075/1802	1280/2084	1372/2340	1611/2666	1633/2882	59.7	61.4	58.6	60.4	56.7
55–64	340/557	427/667	518/810	606/974	664/1120	61.0	64.0	64.0	62.2	59.3
≥65	82/129	76/128	102/160	119/201	149/252	63.6	59.4	63.8	59.2	59.1
<b>US Total†</b>	<b>6500/12892</b>	<b>7935/15125</b>	<b>9035/17320</b>	<b>10612/20249</b>	<b>11730/22385</b>	<b>50.4</b>	<b>52.5</b>	<b>52.2</b>	<b>52.4</b>	<b>52.4</b>
<b>Had sex with an MSM (female cases only)</b>										
15–19	3/165	1/194	9/215	5/257	11/238	1.8	0.5	4.2	1.9	4.6
20–24	8/328	7/359	14/432	32/556	23/588	2.4	1.9	3.2	5.8	3.9
25–29	7/217	16/260	10/349	20/425	31/549	3.2	6.2	2.9	4.7	5.6
30–34	5/132	12/171	8/219	11/312	29/356	3.8	7.0	3.7	3.5	8.1
35–39	1/96	3/116	10/169	14/210	20/279	1.0	2.6	5.9	6.7	7.2
40–44	1/71	0/71	7/98	12/135	7/176	1.4	0.0	7.1	8.9	4.0
45–54	6/71	4/89	9/130	6/175	6/215	8.5	4.5	6.9	3.4	2.8
55–64	3/17	3/21	1/39	3/53	1/75	17.6	14.3	2.6	5.7	1.3
≥65	1/5	1/2	0/1	0/8	0/9	20.0	50.0	0.0	0.0	0.0
<b>US Women Total*</b>	<b>35/1111</b>	<b>47/1287</b>	<b>69/1657</b>	<b>104/2139</b>	<b>128/2495</b>	<b>3.2</b>	<b>3.7</b>	<b>4.2</b>	<b>4.9</b>	<b>5.1</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Met a sex partner through the internet</b>										
15–19	207/700	259/814	315/917	384/1024	454/1096	29.6	31.8	34.4	37.5	41.4
20–24	985/2773	1186/3225	1381/3704	1594/3846	1788/4132	35.5	36.8	37.3	41.4	43.3
25–29	860/2430	1150/3042	1407/3749	1811/4373	2100/4913	35.4	37.8	37.5	41.4	42.7
30–34	614/1692	796/2032	963/2468	1112/2900	1366/3400	36.3	39.2	39.0	38.3	40.2
35–39	458/1235	539/1428	656/1715	799/2063	939/2428	37.1	37.7	38.3	38.7	38.7
40–44	387/1147	419/1208	497/1293	528/1376	545/1525	33.7	34.7	38.4	38.4	35.7
45–54	564/1671	696/1937	786/2234	901/2481	1002/2637	33.8	35.9	35.2	36.3	38.0
55–64	166/506	186/594	266/772	323/903	332/1050	32.8	31.3	34.5	35.8	31.6
≥65	20/122	30/116	23/157	39/192	60/232	16.4	25.9	14.6	20.3	25.9
<b>US Total†</b>	<b>4269/12302</b>	<b>5264/14411</b>	<b>6296/17018</b>	<b>7497/19172</b>	<b>8592/21432</b>	<b>34.7</b>	<b>36.5</b>	<b>37.0</b>	<b>39.1</b>	<b>40.1</b>
<b>Had 0–1 sex partners</b>										
15–19	204/718	259/796	289/911	345/1038	378/1097	28.4	32.5	31.7	33.2	34.5
20–24	876/2901	916/3181	1158/3697	1201/3943	1298/4200	30.2	28.8	31.3	30.5	30.9
25–29	763/2568	944/3026	1252/3780	1516/4489	1635/5025	29.7	31.2	33.1	33.8	32.5
30–34	562/1818	719/2139	895/2540	1060/3098	1175/3537	30.9	33.6	35.2	34.2	33.2
35–39	427/1331	515/1515	608/1748	776/2190	918/2583	32.1	34.0	34.8	35.4	35.5
40–44	429/1247	457/1306	488/1371	530/1465	578/1633	34.4	35.0	35.6	36.2	35.4
45–54	686/1887	754/2101	916/2382	1007/2678	1122/2896	36.4	35.9	38.5	37.6	38.7
55–64	206/560	245/637	338/838	386/978	485/1143	36.8	38.5	40.3	39.5	42.4
≥65	53/128	53/129	68/161	96/209	107/249	41.4	41.1	42.2	45.9	43.0
<b>US Total†</b>	<b>4213/13185</b>	<b>4867/14844</b>	<b>6019/17439</b>	<b>6926/20105</b>	<b>7705/22384</b>	<b>32.0</b>	<b>32.8</b>	<b>34.5</b>	<b>34.4</b>	<b>34.4</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 2–5 sex partners</b>										
15–19	408/718	423/796	474/911	550/1038	576/1097	56.8	53.1	52.0	53.0	52.5
20–24	1554/2901	1716/3181	1883/3697	1975/3943	2057/4200	53.6	54.0	50.9	50.1	49.0
25–29	1294/2568	1515/3026	1888/3780	2104/4489	2330/5025	50.4	50.1	49.9	46.9	46.4
30–34	879/1818	979/2139	1196/2540	1420/3098	1638/3537	48.3	45.8	47.1	45.8	46.3
35–39	632/1331	690/1515	797/1748	968/2190	1114/2583	47.5	45.5	45.6	44.2	43.1
40–44	541/1247	567/1306	627/1371	653/1465	724/1633	43.4	43.4	45.7	44.6	44.3
45–54	804/1887	933/2101	1000/2382	1125/2678	1197/2896	42.6	44.4	42.0	42.0	41.3
55–64	242/560	250/637	335/838	411/978	470/1143	43.2	39.2	40.0	42.0	41.1
≥65	50/128	56/129	65/161	84/209	100/249	39.1	43.4	40.4	40.2	40.2
<b>US Total†</b>	<b>6418/13185</b>	<b>7137/14844</b>	<b>8267/17439</b>	<b>9297/20105</b>	<b>10215/22384</b>	<b>48.7</b>	<b>48.1</b>	<b>47.4</b>	<b>46.2</b>	<b>45.6</b>
<b>Had ≥6 sex partners</b>										
15–19	106/718	114/796	148/911	143/1038	143/1097	14.8	14.3	16.2	13.8	13.0
20–24	471/2901	549/3181	656/3697	767/3943	845/4200	16.2	17.3	17.7	19.5	20.1
25–29	511/2568	567/3026	640/3780	869/4489	1060/5025	19.9	18.7	16.9	19.4	21.1
30–34	377/1818	441/2139	449/2540	618/3098	724/3537	20.7	20.6	17.7	19.9	20.5
35–39	272/1331	310/1515	343/1748	446/2190	551/2583	20.4	20.5	19.6	20.4	21.3
40–44	277/1247	282/1306	256/1371	282/1465	331/1633	22.2	21.6	18.7	19.2	20.3
45–54	397/1887	414/2101	466/2382	546/2678	577/2896	21.0	19.7	19.6	20.4	19.9
55–64	112/560	142/637	165/838	181/978	188/1143	20.0	22.3	19.7	18.5	16.4
≥65	25/128	20/129	28/161	29/209	42/249	19.5	15.5	17.4	13.9	16.9
<b>US Total†</b>	<b>2554/13185</b>	<b>2840/14844</b>	<b>3153/17439</b>	<b>3882/20105</b>	<b>4464/22384</b>	<b>19.4</b>	<b>19.1</b>	<b>18.1</b>	<b>19.3</b>	<b>19.9</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
15–19	62/720	67/828	73/922	91/1076	77/1141	8.6	8.1	7.9	8.5	6.7
20–24	236/2818	266/3283	297/3717	351/4039	382/4249	8.4	8.1	8.0	8.7	9.0
25–29	238/2460	291/3117	386/3810	457/4592	538/5048	9.7	9.3	10.1	10.0	10.7
30–34	174/1728	206/2078	204/2497	320/3072	386/3507	10.1	9.9	8.2	10.4	11.0
35–39	114/1239	122/1437	140/1732	220/2161	282/2493	9.2	8.5	8.1	10.2	11.3
40–44	70/1151	83/1234	92/1308	105/1444	159/1586	6.1	6.7	7.0	7.3	10.0
45–54	99/1654	101/1983	116/2270	131/2631	165/2743	6.0	5.1	5.1	5.0	6.0
55–64	18/502	33/619	22/780	30/945	48/1098	3.6	5.3	2.8	3.2	4.4
≥65	2/122	1/122	1/154	3/198	3/238	1.6	0.8	0.6	1.5	1.3
<b>US Total†</b>	<b>1019/12421</b>	<b>1174/14716</b>	<b>1332/17198</b>	<b>1711/20173</b>	<b>2043/22123</b>	<b>8.2</b>	<b>8.0</b>	<b>7.7</b>	<b>8.5</b>	<b>9.2</b>
<b>History of prior STD ever</b>										
15–19	198/680	233/731	268/813	321/923	339/959	29.1	31.9	33.0	34.8	35.3
20–24	1191/2777	1379/2986	1603/3386	1737/3498	1845/3770	42.9	46.2	47.3	49.7	48.9
25–29	1326/2478	1556/2906	1990/3557	2470/4114	2738/4586	53.5	53.5	55.9	60.0	59.7
30–34	954/1755	1131/1988	1418/2399	1744/2793	1962/3267	54.4	56.9	59.1	62.4	60.1
35–39	737/1292	838/1409	1014/1666	1250/2026	1468/2334	57.0	59.5	60.9	61.7	62.9
40–44	739/1248	756/1212	793/1282	819/1349	907/1444	59.2	62.4	61.9	60.7	62.8
45–54	1065/1754	1170/1932	1388/2239	1582/2515	1588/2578	60.7	60.6	62.0	62.9	61.6
55–64	275/515	332/577	438/752	496/866	561/1009	53.4	57.5	58.2	57.3	55.6
≥65	51/117	46/105	62/137	82/191	116/226	43.6	43.8	45.3	42.9	51.3
<b>US Total†</b>	<b>6543/12644</b>	<b>7447/13862</b>	<b>8975/16238</b>	<b>10505/18287</b>	<b>11531/20193</b>	<b>51.7</b>	<b>53.7</b>	<b>55.3</b>	<b>57.4</b>	<b>57.1</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4a. Frequency\* of reported behaviors/characteristics among reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Living with HIV</b>										
15–19	99/636	99/729	93/786	117/987	135/1094	15.6	13.6	11.8	11.9	12.3
20–24	843/2704	973/3066	877/3260	1006/4029	955/4322	31.2	31.7	26.9	25.0	22.1
25–29	1034/2461	1273/3041	1422/3481	1727/4718	1889/5317	42.0	41.9	40.9	36.6	35.5
30–34	873/1753	1037/2124	1086/2341	1310/3229	1494/3848	49.8	48.8	46.4	40.6	38.8
35–39	645/1263	741/1452	780/1616	1071/2338	1144/2772	51.1	51.0	48.3	45.8	41.3
40–44	718/1228	752/1289	652/1209	769/1612	763/1749	58.5	58.3	53.9	47.7	43.6
45–54	1089/1830	1196/2106	1185/2214	1597/2996	1588/3153	59.5	56.8	53.5	53.3	50.4
55–64	239/512	313/636	316/704	492/1056	506/1194	46.7	49.2	44.9	46.6	42.4
≥65	32/111	36/116	40/123	64/214	89/260	28.8	31.0	32.5	29.9	34.2
<b>US Total†</b>	<b>5576/12522</b>	<b>6422/14574</b>	<b>6453/15742</b>	<b>8154/21193</b>	<b>8563/23726</b>	<b>44.5</b>	<b>44.1</b>	<b>41.0</b>	<b>38.5</b>	<b>36.1</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† US Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
15–19	5/357	4/433	7/506	13/561	11/635	1.4	0.9	1.4	2.3	1.7
20–24	25/1767	43/2244	46/2519	51/2661	48/2678	1.4	1.9	1.8	1.9	1.8
25–29	67/1642	69/2194	75/2734	94/3174	124/3470	4.1	3.1	2.7	3.0	3.6
30–34	52/1155	83/1503	61/1767	80/2064	93/2394	4.5	5.5	3.5	3.9	3.9
35–39	35/833	53/1043	47/1204	51/1419	76/1635	4.2	5.1	3.9	3.6	4.6
40–44	54/815	48/914	36/920	39/957	60/1008	6.6	5.3	3.9	4.1	6.0
45–54	46/1175	55/1429	52/1588	57/1762	74/1913	3.9	3.8	3.3	3.2	3.9
55–64	4/318	10/400	20/527	20/598	26/682	1.3	2.5	3.8	3.3	3.8
≥65	0/59	0/67	1/64	1/100	2/111	0.0	0.0	1.6	1.0	1.8
<b>MSM Total†</b>	<b>288/8133</b>	<b>365/10231</b>	<b>345/11831</b>	<b>406/13299</b>	<b>514/14529</b>	<b>3.5</b>	<b>3.6</b>	<b>2.9</b>	<b>3.1</b>	<b>3.5</b>
<b>Used methamphetamine</b>										
15–19	12/372	15/425	15/496	16/530	20/613	3.2	3.5	3.0	3.0	3.3
20–24	94/1790	117/2118	106/2362	148/2542	130/2590	5.3	5.5	4.5	5.8	5.0
25–29	163/1732	158/2100	192/2532	211/2997	256/3274	9.4	7.5	7.6	7.0	7.8
30–34	155/1278	191/1447	160/1691	213/2053	224/2320	12.1	13.2	9.5	10.4	9.7
35–39	106/917	99/1026	118/1138	146/1442	182/1616	11.6	9.6	10.4	10.1	11.3
40–44	116/911	112/933	97/912	112/984	113/995	12.7	12.0	10.6	11.4	11.4
45–54	132/1340	145/1448	126/1603	149/1823	153/1858	9.9	10.0	7.9	8.2	8.2
55–64	26/351	29/415	39/543	41/604	51/688	7.4	7.0	7.2	6.8	7.4
≥65	0/71	1/71	2/74	3/102	3/114	0.0	1.4	2.7	2.9	2.6
<b>MSM Total†</b>	<b>805/8778</b>	<b>867/9987</b>	<b>855/11354</b>	<b>1039/13079</b>	<b>1132/14071</b>	<b>9.2</b>	<b>8.7</b>	<b>7.5</b>	<b>7.9</b>	<b>8.0</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used heroin</b>										
15–19	1/374	0/426	3/496	3/531	2/613	0.3	0.0	0.6	0.6	0.3
20–24	8/1791	8/2118	25/2356	26/2537	16/2585	0.4	0.4	1.1	1.0	0.6
25–29	17/1725	14/2097	21/2530	27/2991	37/3266	1.0	0.7	0.8	0.9	1.1
30–34	13/1276	7/1442	13/1681	19/2043	35/2313	1.0	0.5	0.8	0.9	1.5
35–39	5/915	8/1025	4/1133	8/1436	12/1606	0.5	0.8	0.4	0.6	0.7
40–44	4/912	3/933	4/907	9/981	8/988	0.4	0.3	0.4	0.9	0.8
45–54	6/1333	4/1443	6/1589	7/1814	6/1855	0.5	0.3	0.4	0.4	0.3
55–64	3/351	5/415	2/541	3/601	1/684	0.9	1.2	0.4	0.5	0.1
≥65	0/72	0/71	0/73	0/102	0/114	0.0	0.0	0.0	0.0	0.0
<b>MSM Total†</b>	<b>57/8765</b>	<b>49/9974</b>	<b>78/11309</b>	<b>102/13038</b>	<b>117/14027</b>	<b>0.7</b>	<b>0.5</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>
<b>Used cocaine</b>										
15–19	7/374	5/425	11/497	9/531	10/612	1.9	1.2	2.2	1.7	1.6
20–24	59/1789	77/2118	93/2358	95/2539	80/2586	3.3	3.6	3.9	3.7	3.1
25–29	94/1721	119/2096	115/2531	150/2995	141/3270	5.5	5.7	4.5	5.0	4.3
30–34	68/1276	63/1442	85/1687	91/2038	114/2317	5.3	4.4	5.0	4.5	4.9
35–39	42/914	44/1025	49/1137	54/1438	59/1604	4.6	4.3	4.3	3.8	3.7
40–44	38/911	26/933	32/906	26/983	34/991	4.2	2.8	3.5	2.6	3.4
45–54	27/1334	41/1443	31/1589	43/1817	45/1856	2.0	2.8	2.0	2.4	2.4
55–64	8/351	7/416	11/541	8/602	12/684	2.3	1.7	2.0	1.3	1.8
≥65	0/72	1/71	0/73	0/102	2/114	0.0	1.4	0.0	0.0	1.8
<b>MSM Total†</b>	<b>343/8758</b>	<b>383/9973</b>	<b>428/11322</b>	<b>476/13047</b>	<b>497/14037</b>	<b>3.9</b>	<b>3.8</b>	<b>3.8</b>	<b>3.6</b>	<b>3.5</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used crack</b>										
15–19	1/372	0/425	5/496	1/531	0/613	0.3	0.0	1.0	0.2	0.0
20–24	8/1792	18/2117	20/2357	18/2537	17/2585	0.4	0.9	0.8	0.7	0.7
25–29	12/1722	21/2098	27/2527	18/2988	20/3266	0.7	1.0	1.1	0.6	0.6
30–34	16/1275	18/1444	18/1681	20/2040	15/2313	1.3	1.2	1.1	1.0	0.6
35–39	10/915	13/1025	13/1135	14/1436	11/1604	1.1	1.3	1.1	1.0	0.7
40–44	9/912	11/932	16/908	9/980	6/990	1.0	1.2	1.8	0.9	0.6
45–54	16/1333	17/1443	15/1587	17/1814	12/1853	1.2	1.2	0.9	0.9	0.6
55–64	3/351	7/415	6/540	4/602	4/685	0.9	1.7	1.1	0.7	0.6
≥65	1/72	0/71	0/73	0/102	1/114	1.4	0.0	0.0	0.0	0.9
<b>MSM Total†</b>	<b>77/8760</b>	<b>105/9974</b>	<b>120/11307</b>	<b>101/13032</b>	<b>86/14026</b>	<b>0.9</b>	<b>1.1</b>	<b>1.1</b>	<b>0.8</b>	<b>0.6</b>
<b>Used nitrates/poppers</b>										
15–19	7/372	7/423	4/493	16/521	15/602	1.9	1.7	0.8	3.1	2.5
20–24	55/1790	80/2107	68/2350	78/2505	83/2532	3.1	3.8	2.9	3.1	3.3
25–29	92/1720	100/2085	90/2532	118/2947	147/3205	5.3	4.8	3.6	4.0	4.6
30–34	83/1272	82/1434	81/1675	94/2022	144/2279	6.5	5.7	4.8	4.6	6.3
35–39	66/915	60/1023	63/1132	64/1424	87/1579	7.2	5.9	5.6	4.5	5.5
40–44	67/912	60/928	61/905	60/975	59/972	7.3	6.5	6.7	6.2	6.1
45–54	92/1334	81/1438	71/1589	94/1791	121/1837	6.9	5.6	4.5	5.2	6.6
55–64	15/352	22/414	32/537	28/596	22/683	4.3	5.3	6.0	4.7	3.2
≥65	4/72	2/71	3/73	2/102	4/113	5.6	2.8	4.1	2.0	3.5
<b>MSM Total†</b>	<b>481/8755</b>	<b>494/9927</b>	<b>473/11289</b>	<b>554/12885</b>	<b>682/13805</b>	<b>5.5</b>	<b>5.0</b>	<b>4.2</b>	<b>4.3</b>	<b>4.9</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used erectile dysfunction medications</b>										
15–19	2/372	1/423	0/491	1/523	2/607	0.5	0.2	0.0	0.2	0.3
20–24	6/1781	9/2097	15/2340	9/2518	8/2568	0.3	0.4	0.6	0.4	0.3
25–29	25/1720	26/2075	21/2517	20/2961	28/3246	1.5	1.3	0.8	0.7	0.9
30–34	30/1272	31/1433	26/1656	20/2029	35/2301	2.4	2.2	1.6	1.0	1.5
35–39	29/915	21/1018	21/1124	26/1430	39/1597	3.2	2.1	1.9	1.8	2.4
40–44	37/908	44/925	26/895	27/976	30/976	4.1	4.8	2.9	2.8	3.1
45–54	72/1334	71/1435	48/1581	52/1800	67/1845	5.4	4.9	3.0	2.9	3.6
55–64	27/351	18/411	36/538	26/597	27/683	7.7	4.4	6.7	4.4	4.0
≥65	7/71	4/71	6/72	2/100	9/115	9.9	5.6	8.3	2.0	7.8
<b>MSM Total†</b>	<b>235/8740</b>	<b>225/9892</b>	<b>199/11217</b>	<b>183/12936</b>	<b>245/13941</b>	<b>2.7</b>	<b>2.3</b>	<b>1.8</b>	<b>1.4</b>	<b>1.8</b>
<b>Used other drug(s)</b>										
15–19	105/375	102/422	132/500	143/536	143/633	28.0	24.2	26.4	26.7	22.6
20–24	548/1797	586/2116	728/2405	718/2562	642/2633	30.5	27.7	30.3	28.0	24.4
25–29	493/1730	580/2096	694/2590	753/3016	764/3338	28.5	27.7	26.8	25.0	22.9
30–34	309/1274	381/1443	450/1723	448/2050	480/2353	24.3	26.4	26.1	21.9	20.4
35–39	205/910	240/1019	252/1163	274/1439	302/1634	22.5	23.6	21.7	19.0	18.5
40–44	195/908	207/932	192/928	179/983	175/995	21.5	22.2	20.7	18.2	17.6
45–54	307/1337	320/1437	301/1624	311/1826	283/1881	23.0	22.3	18.5	17.0	15.0
55–64	61/348	75/415	102/548	90/602	86/703	17.5	18.1	18.6	15.0	12.2
≥65	8/71	8/71	7/75	8/102	15/115	11.3	11.3	9.3	7.8	13.0
<b>MSM Total†</b>	<b>2234/8766</b>	<b>2499/9955</b>	<b>2858/11559</b>	<b>2924/13118</b>	<b>2891/14288</b>	<b>25.5</b>	<b>25.1</b>	<b>24.7</b>	<b>22.3</b>	<b>20.2</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used no drugs</b>										
15–19	220/371	246/416	289/485	292/512	349/590	59.3	59.1	59.6	57.0	59.2
20–24	1012/1781	1186/2090	1266/2307	1350/2436	1379/2461	56.8	56.7	54.9	55.4	56.0
25–29	987/1723	1215/2074	1368/2464	1663/2888	1762/3124	57.3	58.6	55.5	57.6	56.4
30–34	726/1267	816/1424	922/1644	1140/1977	1263/2234	57.3	57.3	56.1	57.7	56.5
35–39	527/906	590/1020	663/1116	830/1388	885/1568	58.2	57.8	59.4	59.8	56.4
40–44	534/908	542/930	528/902	568/940	575/962	58.8	58.3	58.5	60.4	59.8
45–54	787/1336	808/1436	933/1570	1077/1766	1063/1789	58.9	56.3	59.4	61.0	59.4
55–64	221/349	254/413	312/535	368/584	423/673	63.3	61.5	58.3	63.0	62.9
≥65	48/70	49/70	54/72	67/100	80/114	68.6	70.0	75.0	67.0	70.2
<b>MSM Total†</b>	<b>5071/8727</b>	<b>5710/9877</b>	<b>6337/11098</b>	<b>7357/12593</b>	<b>7781/13518</b>	<b>58.1</b>	<b>57.8</b>	<b>57.1</b>	<b>58.4</b>	<b>57.6</b>
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
15–19	8/420	13/480	19/562	24/616	15/705	1.9	2.7	3.4	3.9	2.1
20–24	68/2049	102/2401	92/2738	112/2864	99/2906	3.3	4.2	3.4	3.9	3.4
25–29	92/1891	116/2373	122/2923	125/3378	138/3687	4.9	4.9	4.2	3.7	3.7
30–34	51/1367	73/1601	80/1914	81/2222	97/2544	3.7	4.6	4.2	3.6	3.8
35–39	36/986	52/1118	46/1301	68/1553	74/1762	3.7	4.7	3.5	4.4	4.2
40–44	30/957	44/990	32/998	39/1055	45/1072	3.1	4.4	3.2	3.7	4.2
45–54	42/1394	57/1593	48/1778	62/1948	77/2086	3.0	3.6	2.7	3.2	3.7
55–64	12/367	21/458	23/594	33/668	29/743	3.3	4.6	3.9	4.9	3.9
≥65	3/74	3/75	4/83	8/112	8/126	4.1	4.0	4.8	7.1	6.3
<b>MSM Total†</b>	<b>342/9520</b>	<b>481/11093</b>	<b>466/12893</b>	<b>552/14419</b>	<b>582/15636</b>	<b>3.6</b>	<b>4.3</b>	<b>3.6</b>	<b>3.8</b>	<b>3.7</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex while high/intoxicated</b>										
15–19	118/406	134/466	147/550	155/600	189/700	29.1	28.8	26.7	25.8	27.0
20–24	739/2017	841/2334	956/2674	1016/2802	966/2833	36.6	36.0	35.8	36.3	34.1
25–29	690/1848	828/2328	956/2832	1103/3260	1280/3602	37.3	35.6	33.8	33.8	35.5
30–34	479/1340	553/1551	608/1831	724/2153	835/2491	35.7	35.7	33.2	33.6	33.5
35–39	307/959	354/1089	405/1258	459/1499	539/1699	32.0	32.5	32.2	30.6	31.7
40–44	244/935	254/958	259/968	291/1018	311/1048	26.1	26.5	26.8	28.6	29.7
45–54	334/1348	373/1537	399/1738	482/1877	500/2025	24.8	24.3	23.0	25.7	24.7
55–64	60/346	98/446	130/565	133/625	150/708	17.3	22.0	23.0	21.3	21.2
≥65	10/69	9/67	15/79	15/104	21/122	14.5	13.4	19.0	14.4	17.2
<b>MSM Total†</b>	<b>2985/9284</b>	<b>3445/10780</b>	<b>3876/12497</b>	<b>4379/13941</b>	<b>4792/15233</b>	<b>32.2</b>	<b>32.0</b>	<b>31.0</b>	<b>31.4</b>	<b>31.5</b>
<b>Had sex with person who injects drugs</b>										
15–19	7/395	6/423	23/513	15/551	10/655	1.8	1.4	4.5	2.7	1.5
20–24	41/1888	73/2203	78/2513	80/2604	86/2625	2.2	3.3	3.1	3.1	3.3
25–29	88/1711	88/2153	116/2648	142/3066	164/3345	5.1	4.1	4.4	4.6	4.9
30–34	66/1230	107/1462	84/1725	115/1985	130/2307	5.4	7.3	4.9	5.8	5.6
35–39	41/880	57/1005	67/1170	88/1376	111/1580	4.7	5.7	5.7	6.4	7.0
40–44	49/846	66/880	53/895	45/948	72/963	5.8	7.5	5.9	4.7	7.5
45–54	67/1227	73/1403	81/1512	71/1659	114/1813	5.5	5.2	5.4	4.3	6.3
55–64	8/303	24/390	31/492	33/567	32/650	2.6	6.2	6.3	5.8	4.9
≥65	1/60	1/60	4/66	5/97	6/106	1.7	1.7	6.1	5.2	5.7
<b>MSM Total†</b>	<b>368/8555</b>	<b>495/9983</b>	<b>537/11537</b>	<b>594/12855</b>	<b>725/14049</b>	<b>4.3</b>	<b>5.0</b>	<b>4.7</b>	<b>4.6</b>	<b>5.2</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex with anonymous partner</b>										
15–19	207/414	220/464	291/525	311/584	374/681	50.0	47.4	55.4	53.3	54.9
20–24	1001/2022	1305/2345	1410/2574	1623/2750	1665/2795	49.5	55.7	54.8	59.0	59.6
25–29	1003/1862	1328/2326	1547/2772	1872/3264	2140/3581	53.9	57.1	55.8	57.4	59.8
30–34	764/1354	929/1589	1103/1846	1280/2146	1500/2476	56.4	58.5	59.8	59.6	60.6
35–39	602/986	665/1118	799/1252	918/1521	1087/1708	61.1	59.5	63.8	60.4	63.6
40–44	592/945	624/966	607/937	648/1033	690/1035	62.6	64.6	64.8	62.7	66.7
45–54	922/1388	1062/1566	1140/1718	1312/1893	1313/2005	66.4	67.8	66.4	69.3	65.5
55–64	254/369	326/459	402/568	470/656	485/705	68.8	71.0	70.8	71.6	68.8
≥65	54/74	48/75	55/82	75/107	87/121	73.0	64.0	67.1	70.1	71.9
<b>MSM Total†</b>	<b>5405/9430</b>	<b>6510/10912</b>	<b>7355/12276</b>	<b>8511/13957</b>	<b>9346/15113</b>	<b>57.3</b>	<b>59.7</b>	<b>59.9</b>	<b>61.0</b>	<b>61.8</b>
<b>Met a sex partner through the internet</b>										
15–19	177/402	216/461	254/532	326/570	384/666	44.0	46.9	47.7	57.2	57.7
20–24	910/1949	1060/2275	1249/2570	1429/2617	1583/2702	46.7	46.6	48.6	54.6	58.6
25–29	796/1786	1049/2248	1296/2725	1626/3082	1868/3420	44.6	46.7	47.6	52.8	54.6
30–34	574/1264	730/1489	894/1780	1008/1984	1236/2339	45.4	49.0	50.2	50.8	52.8
35–39	426/917	494/1039	603/1222	722/1414	828/1595	46.5	47.5	49.3	51.1	51.9
40–44	366/870	397/888	457/917	481/936	496/973	42.1	44.7	49.8	51.4	51.0
45–54	539/1250	652/1431	731/1610	847/1734	933/1823	43.1	45.6	45.4	48.8	51.2
55–64	155/343	170/400	250/539	304/588	305/651	45.2	42.5	46.4	51.7	46.9
≥65	18/71	26/65	22/78	37/99	54/115	25.4	40.0	28.2	37.4	47.0
<b>MSM Total†</b>	<b>3967/8867</b>	<b>4797/10300</b>	<b>5757/11975</b>	<b>6783/13027</b>	<b>7690/14289</b>	<b>44.7</b>	<b>46.6</b>	<b>48.1</b>	<b>52.1</b>	<b>53.8</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 0–1 sex partners</b>										
15–19	94/407	106/451	122/511	146/566	168/645	23.1	23.5	23.9	25.8	26.0
20–24	498/2033	532/2198	646/2535	614/2595	642/2695	24.5	24.2	25.5	23.7	23.8
25–29	474/1888	580/2173	754/2682	817/3012	926/3424	25.1	26.7	28.1	27.1	27.0
30–34	361/1359	414/1519	518/1782	529/2022	631/2342	26.6	27.3	29.1	26.2	26.9
35–39	253/981	294/1077	334/1192	395/1427	433/1647	25.8	27.3	28.0	27.7	26.3
40–44	265/948	267/942	265/941	265/966	260/999	28.0	28.3	28.2	27.4	26.0
45–54	408/1406	443/1550	512/1687	504/1791	571/1937	29.0	28.6	30.3	28.1	29.5
55–64	106/367	126/428	179/567	164/612	211/695	28.9	29.4	31.6	26.8	30.4
≥65	21/75	25/76	24/77	30/102	29/121	28.0	32.9	31.2	29.4	24.0
<b>MSM Total†</b>	<b>2484/9479</b>	<b>2788/10417</b>	<b>3356/11977</b>	<b>3464/13096</b>	<b>3873/14511</b>	<b>26.2</b>	<b>26.8</b>	<b>28.0</b>	<b>26.5</b>	<b>26.7</b>
<b>Had 2–5 sex partners</b>										
15–19	239/407	253/451	276/511	305/566	353/645	58.7	56.1	54.0	53.9	54.7
20–24	1119/2033	1203/2198	1315/2535	1329/2595	1335/2695	55.0	54.7	51.9	51.2	49.5
25–29	964/1888	1095/2173	1379/2682	1455/3012	1586/3424	51.1	50.4	51.4	48.3	46.3
30–34	655/1359	715/1519	872/1782	967/2022	1082/2342	48.2	47.1	48.9	47.8	46.2
35–39	490/981	508/1077	557/1192	654/1427	747/1647	49.9	47.2	46.7	45.8	45.4
40–44	426/948	429/942	460/941	456/966	454/999	44.9	45.5	48.9	47.2	45.4
45–54	619/1406	729/1550	755/1687	804/1791	847/1937	44.0	47.0	44.8	44.9	43.7
55–64	160/367	179/428	239/567	292/612	326/695	43.6	41.8	42.2	47.7	46.9
≥65	34/75	33/76	29/77	47/102	56/121	45.3	43.4	37.7	46.1	46.3
<b>MSM Total†</b>	<b>4714/9479</b>	<b>5146/10417</b>	<b>5882/11977</b>	<b>6311/13096</b>	<b>6790/14511</b>	<b>49.7</b>	<b>49.4</b>	<b>49.1</b>	<b>48.2</b>	<b>46.8</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had ≥6 sex partners</b>										
15–19	74/407	92/451	113/511	115/566	124/645	18.2	20.4	22.1	20.3	19.2
20–24	416/2033	463/2198	574/2535	652/2595	718/2695	20.5	21.1	22.6	25.1	26.6
25–29	450/1888	498/2173	549/2682	740/3012	912/3424	23.8	22.9	20.5	24.6	26.6
30–34	343/1359	390/1519	392/1782	526/2022	629/2342	25.2	25.7	22.0	26.0	26.9
35–39	238/981	275/1077	301/1192	378/1427	467/1647	24.3	25.5	25.3	26.5	28.4
40–44	257/948	246/942	216/941	245/966	285/999	27.1	26.1	23.0	25.4	28.5
45–54	379/1406	378/1550	420/1687	483/1791	519/1937	27.0	24.4	24.9	27.0	26.8
55–64	101/367	123/428	149/567	156/612	158/695	27.5	28.7	26.3	25.5	22.7
≥65	20/75	18/76	24/77	25/102	36/121	26.7	23.7	31.2	24.5	29.8
<b>MSM Total†</b>	<b>2281/9479</b>	<b>2483/10417</b>	<b>2739/11977</b>	<b>3321/13096</b>	<b>3848/14511</b>	<b>24.1</b>	<b>23.8</b>	<b>22.9</b>	<b>25.4</b>	<b>26.5</b>
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
15–19	24/412	15/465	30/546	32/601	23/691	5.8	3.2	5.5	5.3	3.3
20–24	129/1989	144/2326	135/2604	156/2790	152/2801	6.5	6.2	5.2	5.6	5.4
25–29	118/1810	144/2291	184/2770	181/3269	224/3525	6.5	6.3	6.6	5.5	6.4
30–34	88/1286	71/1503	93/1801	140/2121	135/2421	6.8	4.7	5.2	6.6	5.6
35–39	51/911	55/1040	45/1216	68/1487	98/1649	5.6	5.3	3.7	4.6	5.9
40–44	25/880	40/898	34/911	34/1003	51/1002	2.8	4.5	3.7	3.4	5.1
45–54	39/1239	41/1457	43/1645	43/1862	51/1917	3.1	2.8	2.6	2.3	2.7
55–64	6/335	14/416	11/545	12/630	18/693	1.8	3.4	2.0	1.9	2.6
≥65	1/71	0/70	0/78	2/103	1/116	1.4	0.0	0.0	1.9	0.9
<b>MSM Total†</b>	<b>483/8947</b>	<b>525/10470</b>	<b>575/12118</b>	<b>669/13870</b>	<b>753/14820</b>	<b>5.4</b>	<b>5.0</b>	<b>4.7</b>	<b>4.8</b>	<b>5.1</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4b. Frequency\* of reported behaviors/characteristics among MSM with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>History of prior STD ever</b>										
15–19	86/380	127/400	147/459	149/498	184/576	22.6	31.8	32.0	29.9	31.9
20–24	830/1894	979/2040	1119/2297	1151/2328	1239/2433	43.8	48.0	48.7	49.4	50.9
25–29	986/1743	1159/2056	1471/2493	1754/2817	1998/3150	56.6	56.4	59.0	62.3	63.4
30–34	720/1259	833/1387	1052/1680	1255/1884	1395/2187	57.2	60.1	62.6	66.6	63.8
35–39	559/920	627/982	740/1118	889/1338	1042/1519	60.8	63.8	66.2	66.4	68.6
40–44	584/911	582/849	596/888	609/898	638/915	64.1	68.6	67.1	67.8	69.7
45–54	807/1264	893/1378	1032/1547	1178/1718	1213/1792	63.8	64.8	66.7	68.6	67.7
55–64	208/342	236/372	340/513	360/548	406/620	60.8	63.4	66.3	65.7	65.5
≥65	34/65	29/62	34/64	53/98	75/115	52.3	46.8	53.1	54.1	65.2
<b>MSM Total†</b>	<b>4816/8794</b>	<b>5468/9530</b>	<b>6532/11061</b>	<b>7399/12129</b>	<b>8191/13310</b>	<b>54.8</b>	<b>57.4</b>	<b>59.1</b>	<b>61.0</b>	<b>61.5</b>
<b>Living with HIV</b>										
15–19	86/356	83/412	82/451	100/540	114/645	24.2	20.1	18.2	18.5	17.7
20–24	719/1875	827/2148	745/2218	859/2669	786/2762	38.3	38.5	33.6	32.2	28.5
25–29	875/1740	1044/2157	1194/2444	1401/3132	1554/3530	50.3	48.4	48.9	44.7	44.0
30–34	743/1282	842/1478	865/1607	1027/2116	1216/2477	58.0	57.0	53.8	48.5	49.1
35–39	544/918	597/1014	620/1077	840/1514	921/1741	59.3	58.9	57.6	55.5	52.9
40–44	605/901	630/932	544/836	588/1050	592/1085	67.1	67.6	65.1	56.0	54.6
45–54	866/1313	959/1488	903/1482	1230/1950	1270/2088	66.0	64.4	60.9	63.1	60.8
55–64	190/332	247/418	257/465	360/644	389/716	57.2	59.1	55.3	55.9	54.3
≥65	28/64	26/68	27/53	51/109	62/123	43.8	38.2	50.9	46.8	50.4
<b>MSM Total†</b>	<b>4659/8796</b>	<b>5257/10120</b>	<b>5238/10635</b>	<b>6457/13727</b>	<b>6904/15171</b>	<b>53.0</b>	<b>52.0</b>	<b>49.3</b>	<b>47.0</b>	<b>45.5</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSM Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
15–19	0/107	2/124	0/139	4/149	5/140	0.0	1.6	0.0	2.7	3.6
20–24	8/375	10/418	5/517	11/525	25/632	2.1	2.4	1.0	2.1	4.0
25–29	4/324	13/402	16/540	34/673	40/706	1.2	3.2	3.0	5.1	5.7
30–34	10/225	14/317	15/400	36/495	43/567	4.4	4.4	3.8	7.3	7.6
35–39	9/168	12/198	21/268	29/350	41/428	5.4	6.1	7.8	8.3	9.6
40–44	4/144	12/184	14/223	13/235	29/317	2.8	6.5	6.3	5.5	9.1
45–54	11/250	13/298	22/378	17/450	32/488	4.4	4.4	5.8	3.8	6.6
55–64	2/106	2/135	3/154	8/214	14/265	1.9	1.5	1.9	3.7	5.3
≥65	0/36	0/37	0/55	0/73	1/91	0.0	0.0	0.0	0.0	1.1
<b>MSW Total†</b>	<b>48/1736</b>	<b>78/2116</b>	<b>96/2674</b>	<b>152/3166</b>	<b>230/3635</b>	<b>2.8</b>	<b>3.7</b>	<b>3.6</b>	<b>4.8</b>	<b>6.3</b>
<b>Used methamphetamine</b>										
15–19	1/110	7/121	7/130	12/147	10/143	0.9	5.8	5.4	8.2	7.0
20–24	14/360	21/395	21/504	36/501	50/641	3.9	5.3	4.2	7.2	7.8
25–29	11/324	30/387	42/508	80/652	102/700	3.4	7.8	8.3	12.3	14.6
30–34	23/219	27/292	43/370	65/484	89/558	10.5	9.2	11.6	13.4	15.9
35–39	16/176	22/195	25/250	63/364	97/447	9.1	11.3	10.0	17.3	21.7
40–44	6/157	19/184	20/212	30/240	55/307	3.8	10.3	9.4	12.5	17.9
45–54	13/275	18/277	30/355	50/450	59/474	4.7	6.5	8.5	11.1	12.4
55–64	3/118	5/144	5/154	11/208	19/266	2.5	3.5	3.2	5.3	7.1
≥65	1/39	2/42	1/62	0/68	1/90	2.6	4.8	1.6	0.0	1.1
<b>MSW Total†</b>	<b>88/1779</b>	<b>151/2041</b>	<b>194/2545</b>	<b>347/3116</b>	<b>482/3628</b>	<b>5.0</b>	<b>7.4</b>	<b>7.6</b>	<b>11.1</b>	<b>13.3</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used heroin</b>										
15–19	0/109	3/122	1/130	2/146	4/143	0.0	2.5	0.8	1.4	2.8
20–24	1/360	4/396	8/504	7/499	12/642	0.3	1.0	1.6	1.4	1.9
25–29	2/324	10/386	5/508	20/646	18/697	0.6	2.6	1.0	3.1	2.6
30–34	3/217	3/291	9/368	13/482	23/552	1.4	1.0	2.4	2.7	4.2
35–39	5/175	5/194	6/250	13/359	14/435	2.9	2.6	2.4	3.6	3.2
40–44	0/156	4/184	3/212	1/239	13/302	0.0	2.2	1.4	0.4	4.3
45–54	2/273	7/277	9/353	5/447	12/472	0.7	2.5	3.5	1.1	2.5
55–64	1/119	1/144	3/154	5/208	1/265	0.8	0.7	1.9	2.4	0.4
≥65	1/39	0/42	0/62	0/68	0/90	2.6	0.0	0.0	0.0	0.0
<b>MSW Total†</b>	<b>15/1773</b>	<b>37/2040</b>	<b>44/2541</b>	<b>66/3096</b>	<b>97/3600</b>	<b>0.8</b>	<b>1.8</b>	<b>1.7</b>	<b>2.1</b>	<b>2.7</b>
<b>Used cocaine</b>										
15–19	0/109	2/122	6/130	4/146	5/143	0.0	1.6	4.6	2.7	3.5
20–24	6/362	18/396	22/504	14/498	32/639	1.7	4.5	4.4	2.8	5.0
25–29	10/326	16/388	26/508	32/648	32/696	3.1	4.1	5.1	4.9	4.6
30–34	13/216	19/291	16/369	29/482	26/550	6.0	6.5	4.3	6.0	4.7
35–39	5/175	18/195	16/251	18/358	24/433	2.9	9.2	6.4	5.0	5.5
40–44	5/157	11/184	10/212	9/239	14/300	3.2	6.0	4.7	3.8	4.7
45–54	17/273	16/277	21/355	29/449	29/473	6.2	5.8	5.9	6.5	6.1
55–64	7/119	7/144	6/155	13/207	9/265	5.9	4.9	3.9	6.3	3.4
≥65	1/39	0/42	2/62	1/69	1/90	2.6	0.0	3.2	1.4	1.1
<b>MSW Total†</b>	<b>64/1777</b>	<b>107/2043</b>	<b>125/2546</b>	<b>149/3098</b>	<b>172/3591</b>	<b>3.6</b>	<b>5.2</b>	<b>4.9</b>	<b>4.8</b>	<b>4.8</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used crack</b>										
15–19	0/109	0/122	1/130	1/146	1/143	0.0	0.0	0.8	0.7	0.7
20–24	1/360	3/395	4/505	4/498	5/640	0.3	0.8	0.8	0.8	0.8
25–29	4/325	3/388	7/509	10/647	9/697	1.2	0.8	1.4	1.5	1.3
30–34	7/217	7/291	7/369	10/481	12/550	3.2	2.4	1.9	2.1	2.2
35–39	5/175	7/196	8/251	8/359	9/432	2.9	3.6	3.2	2.2	2.1
40–44	3/157	5/184	7/212	2/239	4/300	1.9	2.7	3.3	0.8	1.3
45–54	9/272	8/278	12/354	19/449	16/472	3.3	2.9	3.4	4.2	3.4
55–64	6/119	11/144	4/154	6/208	10/264	5.0	7.6	2.6	2.9	3.8
≥65	1/39	1/42	2/62	1/68	2/90	2.6	2.4	3.2	1.5	2.2
<b>MSW Total†</b>	<b>36/1774</b>	<b>45/2044</b>	<b>52/2546</b>	<b>61/3097</b>	<b>68/3590</b>	<b>2.0</b>	<b>2.2</b>	<b>2.0</b>	<b>2.0</b>	<b>1.9</b>
<b>Used nitrates/poppers</b>										
15–19	0/109	0/120	2/128	0/146	1/141	0.0	0.0	1.6	0.0	0.7
20–24	1/361	0/395	4/500	2/488	0/617	0.3	0.0	0.8	0.4	0.0
25–29	0/324	1/386	1/506	2/632	3/673	0.0	0.3	0.2	0.3	0.4
30–34	0/218	1/287	3/363	0/473	1/529	0.0	0.3	0.8	0.0	0.2
35–39	1/175	2/195	2/247	3/346	3/411	0.6	1.0	0.8	0.9	0.7
40–44	0/156	2/184	2/211	2/234	2/296	0.0	1.1	0.9	0.9	0.7
45–54	2/270	0/276	4/354	0/439	1/460	0.7	0.0	1.1	0.0	0.2
55–64	1/119	0/143	3/153	1/205	1/256	0.8	0.0	2.0	0.5	0.4
≥65	0/39	0/42	0/62	0/66	0/90	0.0	0.0	0.0	0.0	0.0
<b>MSW Total†</b>	<b>5/1772</b>	<b>6/2032</b>	<b>21/2524</b>	<b>10/3031</b>	<b>12/3475</b>	<b>0.3</b>	<b>0.3</b>	<b>0.8</b>	<b>0.3</b>	<b>0.3</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used erectile dysfunction medications</b>										
15–19	0/108	1/119	2/127	0/146	1/141	0.0	0.8	1.6	0.0	0.7
20–24	1/361	2/395	0/496	1/490	0/627	0.3	0.5	0.0	0.2	0.0
25–29	1/323	3/382	1/504	3/637	1/685	0.3	0.8	0.2	0.5	0.1
30–34	1/218	3/286	2/358	2/475	4/531	0.5	1.0	0.6	0.4	0.8
35–39	1/175	1/192	1/244	1/347	2/416	0.6	0.5	0.4	0.3	0.5
40–44	2/156	3/182	3/210	1/233	5/295	1.3	1.6	1.4	0.4	1.7
45–54	6/271	5/277	4/350	6/441	6/468	2.2	1.8	1.1	1.4	1.3
55–64	7/119	5/142	6/151	2/205	3/258	5.9	3.5	4.0	1.0	1.2
≥65	5/39	2/42	4/61	1/69	3/89	12.8	4.8	6.6	1.4	3.4
<b>MSW Total†</b>	<b>24/1771</b>	<b>25/2021</b>	<b>23/2501</b>	<b>17/3045</b>	<b>25/3512</b>	<b>1.4</b>	<b>1.2</b>	<b>0.9</b>	<b>0.6</b>	<b>0.7</b>
<b>Used other drug(s)</b>										
15–19	42/111	48/121	51/132	59/148	59/147	37.8	39.7	38.6	39.9	40.1
20–24	122/362	141/397	200/524	191/508	201/657	33.7	35.5	38.2	37.6	30.6
25–29	113/325	132/388	179/512	227/650	241/708	34.8	34.0	35.0	34.9	34.0
30–34	81/218	105/291	117/370	151/481	187/563	37.2	36.1	31.6	31.4	33.2
35–39	47/174	58/195	86/255	111/362	119/440	27.0	29.7	33.7	30.7	27.0
40–44	35/156	38/184	59/216	49/240	72/301	22.4	20.7	27.3	20.4	23.9
45–54	54/270	58/279	93/361	89/448	87/484	20.0	20.8	25.8	19.9	18.0
55–64	27/119	24/143	20/157	45/213	37/265	22.7	16.8	12.7	21.1	14.0
≥65	4/39	5/41	3/62	7/70	7/93	10.3	12.2	4.8	10.0	7.5
<b>MSW Total†</b>	<b>526/1775</b>	<b>610/2043</b>	<b>808/2589</b>	<b>930/3122</b>	<b>1012/3660</b>	<b>29.6</b>	<b>29.9</b>	<b>31.2</b>	<b>29.8</b>	<b>27.7</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used no drugs</b>										
15–19	55/111	60/120	55/125	74/146	69/143	49.5	50.0	44.0	50.7	48.3
20–24	196/357	207/391	233/493	228/482	282/614	54.9	52.9	47.3	47.3	45.9
25–29	177/326	197/387	254/499	297/619	320/657	54.3	50.9	50.9	48.0	48.7
30–34	105/218	137/290	177/364	220/471	252/535	48.2	47.2	48.6	46.7	47.1
35–39	95/174	98/190	124/246	167/352	216/428	54.6	51.6	50.4	47.4	50.5
40–44	92/156	113/185	108/208	133/234	140/291	59.0	61.1	51.9	56.8	48.1
45–54	164/274	167/277	201/353	244/435	250/445	59.9	60.3	56.9	56.1	56.2
55–64	74/117	86/142	92/151	118/200	151/254	63.2	60.6	60.9	59.0	59.4
≥65	24/39	28/42	43/61	41/65	59/83	61.5	66.7	70.5	63.1	71.1
<b>MSW Total†</b>	<b>982/1773</b>	<b>1096/2028</b>	<b>1287/2500</b>	<b>1523/3006</b>	<b>1739/3452</b>	<b>55.4</b>	<b>54.0</b>	<b>51.5</b>	<b>50.7</b>	<b>50.4</b>
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
15–19	4/119	2/131	2/149	3/164	6/156	3.4	1.5	1.3	1.8	3.8
20–24	16/412	11/451	21/565	31/566	37/701	3.9	2.4	3.7	5.5	5.3
25–29	19/360	29/432	29/575	47/728	48/763	5.3	6.7	5.0	6.5	6.3
30–34	15/249	22/329	32/420	43/529	47/613	6.0	6.7	7.6	8.1	7.7
35–39	18/192	23/214	28/294	32/393	41/461	9.4	10.7	9.5	8.1	8.9
40–44	21/166	30/204	27/246	27/256	46/337	12.7	14.7	11.0	10.5	13.6
45–54	51/288	49/329	63/414	80/502	78/536	17.7	14.9	15.2	15.9	14.6
55–64	34/135	38/156	48/177	57/238	68/292	25.2	24.4	27.1	23.9	23.3
≥65	15/41	12/46	21/66	22/79	29/110	36.6	26.1	31.8	27.8	26.4
<b>MSW Total†</b>	<b>193/1963</b>	<b>216/2296</b>	<b>271/2906</b>	<b>342/3457</b>	<b>401/3972</b>	<b>9.8</b>	<b>9.4</b>	<b>9.3</b>	<b>9.9</b>	<b>10.1</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex while high/intoxicated</b>										
15–19	41/120	51/128	64/144	70/163	64/151	34.2	39.8	44.4	42.9	42.4
20–24	163/406	182/444	237/556	254/554	282/683	40.1	41.0	42.6	45.8	41.3
25–29	145/356	205/430	229/565	336/712	365/752	40.7	47.7	40.5	47.2	48.5
30–34	113/244	152/329	168/411	225/512	275/599	46.3	46.2	40.9	43.9	45.9
35–39	76/189	100/213	144/286	174/373	208/459	40.2	46.9	50.3	46.6	45.3
40–44	55/164	80/202	93/238	98/245	148/327	33.5	39.6	39.1	40.0	45.3
45–54	110/281	123/322	152/400	190/478	187/514	39.1	38.2	38.0	39.7	36.4
55–64	43/131	56/148	52/174	80/231	85/285	32.8	37.8	29.9	34.6	29.8
≥65	10/40	10/42	15/64	12/77	24/106	25.0	23.8	23.4	15.6	22.6
<b>MSW Total†</b>	<b>756/1931</b>	<b>960/2262</b>	<b>1154/2838</b>	<b>1440/3347</b>	<b>1639/3879</b>	<b>39.2</b>	<b>42.4</b>	<b>40.7</b>	<b>43.0</b>	<b>42.3</b>
<b>Had sex with person who injects drugs</b>										
15–19	0/119	9/115	2/137	5/145	2/142	0.0	7.8	1.5	3.4	1.4
20–24	8/385	11/412	18/521	23/528	41/638	2.1	2.7	3.5	4.4	6.4
25–29	5/334	21/390	24/531	34/654	60/699	1.5	5.4	4.5	5.2	8.6
30–34	14/231	18/300	25/379	40/472	52/542	6.1	6.0	6.6	8.5	9.6
35–39	9/172	14/193	21/267	30/337	42/413	5.2	7.3	7.9	8.9	10.2
40–44	4/148	13/185	23/226	10/224	45/290	2.7	7.0	10.2	4.5	15.5
45–54	19/256	26/284	38/365	33/418	48/444	7.4	9.2	10.4	7.9	10.8
55–64	2/118	7/136	12/149	23/205	23/239	1.7	5.1	8.1	11.2	9.6
≥65	3/37	0/35	4/53	3/67	12/90	8.1	0.0	7.5	4.5	13.3
<b>MSW Total†</b>	<b>64/1801</b>	<b>119/2053</b>	<b>167/2628</b>	<b>201/3052</b>	<b>325/3499</b>	<b>3.6</b>	<b>5.8</b>	<b>6.4</b>	<b>6.6</b>	<b>9.3</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex with anonymous partner</b>										
15–19	45/122	48/129	57/139	52/160	66/151	36.9	37.2	41.0	32.5	43.7
20–24	147/404	159/444	215/543	223/548	262/669	36.4	35.8	39.6	40.7	39.2
25–29	143/351	178/420	240/556	314/700	331/758	40.7	42.4	43.2	44.9	43.7
30–34	101/251	123/333	153/398	219/507	240/602	40.2	36.9	38.4	43.2	39.9
35–39	80/187	100/211	134/284	163/382	170/444	42.8	47.4	47.2	42.7	38.3
40–44	79/157	92/203	119/235	110/247	143/315	50.3	45.3	50.6	44.5	45.4
45–54	131/283	172/321	190/383	244/466	247/519	46.3	53.6	49.6	52.4	47.6
55–64	74/132	89/153	103/167	123/225	150/281	56.1	58.2	61.7	54.7	53.4
≥65	27/41	27/42	45/66	44/75	60/106	65.9	64.3	68.2	58.7	56.6
<b>MSW Total†</b>	<b>828/1929</b>	<b>988/2260</b>	<b>1256/2771</b>	<b>1493/3312</b>	<b>1670/3848</b>	<b>42.9</b>	<b>43.7</b>	<b>45.3</b>	<b>45.1</b>	<b>43.4</b>
<b>Met a sex partner through the internet</b>										
15–19	12/116	15/127	21/144	20/154	23/138	10.3	11.8	14.6	13.0	16.7
20–24	43/398	55/431	75/540	87/510	114/645	10.8	12.8	13.9	17.1	17.7
25–29	34/346	52/412	68/544	117/652	129/689	9.8	12.6	12.5	17.9	18.7
30–34	25/240	43/310	38/392	65/478	81/535	10.4	13.9	9.7	13.6	15.1
35–39	24/182	25/206	30/266	41/349	69/418	13.2	12.1	11.3	11.7	16.5
40–44	10/163	13/185	26/218	23/225	30/284	6.1	7.0	11.9	10.2	10.6
45–54	14/281	23/308	33/375	36/441	37/454	5.0	7.5	8.8	8.2	8.1
55–64	4/120	13/144	11/163	13/216	18/262	3.3	9.0	6.7	6.0	6.9
≥65	1/39	3/41	1/67	1/72	6/89	2.6	7.3	1.5	1.4	6.7
<b>MSW Total†</b>	<b>168/1886</b>	<b>242/2168</b>	<b>303/2709</b>	<b>403/3099</b>	<b>508/3517</b>	<b>8.9</b>	<b>11.2</b>	<b>11.2</b>	<b>13.0</b>	<b>14.4</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 0–1 sex partners</b>										
15–19	35/123	42/123	52/146	46/155	57/148	28.5	34.1	35.6	29.7	38.5
20–24	138/413	133/435	172/549	166/538	236/677	33.4	30.6	31.3	30.9	34.9
25–29	115/362	130/425	187/560	238/680	222/725	31.8	30.6	33.4	35.0	30.6
30–34	87/261	123/320	159/415	185/508	200/589	33.3	38.4	38.3	36.4	34.0
35–39	78/192	73/220	108/288	156/387	190/451	40.6	33.2	37.5	40.3	42.1
40–44	68/166	82/197	98/245	114/249	117/322	41.0	41.6	40.0	45.8	36.3
45–54	136/299	142/312	188/398	223/488	246/519	45.5	45.5	47.2	45.7	47.4
55–64	59/136	74/147	81/178	108/227	165/293	43.4	50.3	45.5	47.6	56.3
≥65	22/42	22/45	35/70	41/77	53/100	52.4	48.9	50.0	53.2	53.0
<b>MSW Total†</b>	<b>738/1995</b>	<b>824/2228</b>	<b>1080/2849</b>	<b>1278/3311</b>	<b>1487/3827</b>	<b>37.0</b>	<b>37.0</b>	<b>37.9</b>	<b>38.6</b>	<b>38.9</b>
<b>Had 2–5 sex partners</b>										
15–19	74/123	70/123	76/146	101/155	80/148	60.2	56.9	52.1	65.2	54.1
20–24	245/413	258/435	333/549	320/538	363/677	59.3	59.3	60.7	59.5	53.6
25–29	205/362	254/425	309/560	366/680	417/725	56.6	59.8	55.2	53.8	57.5
30–34	151/261	171/320	218/415	271/508	340/589	57.9	53.4	52.5	53.3	57.7
35–39	93/192	126/220	159/288	199/387	215/451	48.4	57.3	55.2	51.4	47.7
40–44	85/166	94/197	118/245	117/249	173/322	51.2	47.7	48.2	47.0	53.7
45–54	150/299	146/312	177/398	221/488	235/519	50.2	46.8	44.5	45.3	45.3
55–64	70/136	58/147	83/178	98/227	106/293	51.5	39.5	46.6	43.2	36.2
≥65	15/42	21/45	31/70	33/77	42/100	35.7	46.7	44.3	42.9	42.0
<b>MSW Total†</b>	<b>1089/1995</b>	<b>1199/2228</b>	<b>1504/2849</b>	<b>1727/3311</b>	<b>1972/3827</b>	<b>54.6</b>	<b>53.8</b>	<b>52.8</b>	<b>52.2</b>	<b>51.5</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had ≥6 sex partners</b>										
15–19	14/123	11/123	18/146	8/155	11/148	11.4	8.9	12.3	5.2	7.4
20–24	30/413	44/435	44/549	52/538	78/677	7.3	10.1	8.0	9.7	11.5
25–29	42/362	41/425	64/560	76/680	86/725	11.6	9.6	11.4	11.2	11.9
30–34	23/261	26/320	38/415	52/508	49/589	8.8	8.1	9.2	10.2	8.3
35–39	21/192	21/220	21/288	32/387	46/451	10.9	9.5	7.3	8.3	10.2
40–44	13/166	21/197	29/245	18/249	32/322	7.8	10.7	11.8	7.2	9.9
45–54	13/299	24/312	33/398	44/488	38/519	4.3	7.7	8.3	9.0	7.3
55–64	7/136	15/147	14/178	21/227	22/293	5.1	10.2	7.9	9.3	7.5
≥65	5/42	2/45	4/70	3/77	5/100	11.9	4.4	5.7	3.9	5.0
<b>MSW Total†</b>	<b>168/1995</b>	<b>205/2228</b>	<b>265/2849</b>	<b>306/3311</b>	<b>368/3827</b>	<b>8.4</b>	<b>9.2</b>	<b>9.3</b>	<b>9.2</b>	<b>9.6</b>
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
15–19	20/119	34/132	31/142	30/163	31/158	16.8	25.8	21.8	18.4	19.6
20–24	78/403	76/444	104/544	108/556	144/686	19.4	17.1	19.1	19.4	21.0
25–29	85/351	99/427	133/560	180/710	191/773	24.2	23.2	23.8	25.4	24.7
30–34	61/247	86/329	69/407	111/513	155/602	24.7	26.1	17.0	21.6	25.7
35–39	36/186	45/210	58/283	86/376	126/467	19.4	21.4	20.5	22.9	27.0
40–44	28/163	30/200	45/232	46/248	77/326	17.2	15.0	19.4	18.5	23.6
45–54	45/286	40/318	46/391	67/474	79/502	15.7	12.6	11.8	14.1	15.7
55–64	8/123	14/150	9/172	15/229	25/282	6.5	9.3	5.2	6.6	8.9
≥65	1/38	1/42	1/65	1/77	2/95	2.6	2.4	1.5	1.3	2.1
<b>MSW Total†</b>	<b>363/1917</b>	<b>426/2256</b>	<b>496/2796</b>	<b>645/3348</b>	<b>831/3894</b>	<b>18.9</b>	<b>18.9</b>	<b>17.7</b>	<b>19.3</b>	<b>21.3</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4c. Frequency\* of reported behaviors/characteristics among MSW with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>History of prior STD ever</b>										
15–19	37/111	18/106	21/125	41/142	33/127	33.3	17.0	16.8	28.9	26.0
20–24	114/390	132/400	162/484	176/446	190/569	29.2	33.0	33.5	39.5	33.4
25–29	108/328	140/373	188/493	257/568	247/621	32.9	37.5	38.1	45.2	39.8
30–34	89/234	99/275	124/341	179/426	216/500	38.0	36.0	36.4	42.0	43.2
35–39	69/179	69/183	89/243	126/317	141/374	38.5	37.7	36.6	39.7	37.7
40–44	51/157	69/172	69/182	61/204	95/246	32.5	40.1	37.9	29.9	38.6
45–54	115/264	99/265	124/327	151/394	160/411	43.6	37.4	37.9	38.3	38.9
55–64	36/110	48/119	43/137	72/188	81/240	32.7	40.3	31.4	38.3	33.8
≥65	13/37	14/34	21/59	19/66	26/78	35.1	41.2	35.6	28.8	33.3
<b>MSW Total†</b>	<b>633/1811</b>	<b>688/1930</b>	<b>841/2391</b>	<b>1084/2753</b>	<b>1190/3167</b>	<b>35.0</b>	<b>35.6</b>	<b>35.2</b>	<b>39.4</b>	<b>37.6</b>
<b>Living with HIV</b>										
15–19	5/109	3/103	3/114	7/141	6/138	4.6	2.9	2.6	5.0	4.3
20–24	29/357	24/377	27/443	28/495	33/617	8.1	6.4	6.1	5.7	5.3
25–29	32/323	36/371	45/438	53/638	48/694	9.9	9.7	10.3	8.3	6.9
30–34	22/220	38/278	40/329	52/447	52/573	10.0	13.7	12.2	11.6	9.1
35–39	23/159	20/174	26/231	47/346	34/413	14.5	11.5	11.3	13.6	8.2
40–44	20/147	25/167	28/183	30/217	31/288	13.6	15.0	15.3	13.8	10.8
45–54	44/239	41/281	45/313	68/436	69/466	18.4	14.6	14.4	15.6	14.8
55–64	14/104	18/125	12/128	31/205	32/262	13.5	14.4	9.4	15.1	12.2
≥65	3/35	5/37	4/51	4/76	7/90	8.6	13.5	7.8	5.3	7.8
<b>MSW Total†</b>	<b>192/1694</b>	<b>210/1916</b>	<b>230/2230</b>	<b>320/3002</b>	<b>312/3543</b>	<b>11.3</b>	<b>11.0</b>	<b>10.3</b>	<b>10.7</b>	<b>8.8</b>

Abbreviations: MSW = men who have sex with women only.

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† MSW Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017.**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Drug use within past 12 months</b>										
<b>Used injection drugs</b>										
15–19	3/166	3/193	7/218	5/264	16/258	1.8	1.6	3.2	1.9	6.2
20–24	6/329	16/381	19/447	29/569	43/623	1.8	4.2	4.3	5.1	6.9
25–29	9/211	21/273	35/365	43/464	79/598	4.3	7.7	9.6	9.3	13.2
30–34	10/127	16/176	21/226	36/312	57/389	7.9	9.1	9.3	11.5	14.7
35–39	5/97	10/120	22/174	31/215	38/288	5.2	8.3	12.6	14.4	13.2
40–44	2/75	6/71	6/101	20/136	16/184	2.7	8.5	5.9	14.7	8.7
45–54	7/66	7/88	9/127	12/182	25/230	10.6	8.0	7.1	6.6	10.9
55–64	1/22	1/18	0/35	3/55	7/83	4.5	5.6	0.0	5.5	8.4
≥65	1/7	0/2	0/2	0/9	0/14	14.3	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>44/1109</b>	<b>81/1329</b>	<b>119/1701</b>	<b>179/2214</b>	<b>281/2677</b>	<b>4.0</b>	<b>6.1</b>	<b>7.0</b>	<b>8.1</b>	<b>10.5</b>
<b>Used methamphetamine</b>										
15–19	3/154	2/205	14/221	19/276	21/257	1.9	1.0	6.3	6.9	8.2
20–24	11/330	18/374	28/450	49/575	73/637	3.3	4.8	6.2	8.5	11.5
25–29	15/213	27/271	40/362	68/472	89/590	7.0	10.0	11.0	14.4	15.1
30–34	13/125	16/177	41/227	66/342	91/397	10.4	9.0	18.1	19.3	22.9
35–39	7/89	17/126	28/168	56/226	86/309	7.9	13.5	16.7	24.8	27.8
40–44	6/73	6/68	12/114	36/144	38/203	8.2	8.8	10.5	25.0	18.7
45–54	12/79	3/103	19/146	19/199	48/246	15.2	2.9	13.0	9.5	19.5
55–64	1/26	2/27	1/39	3/60	9/83	3.8	7.4	2.6	5.0	10.8
≥65	0/8	1/4	0/2	0/9	0/16	0.0	25.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>69/1106</b>	<b>92/1361</b>	<b>184/1735</b>	<b>317/2311</b>	<b>456/2746</b>	<b>6.2</b>	<b>6.8</b>	<b>10.6</b>	<b>13.7</b>	<b>16.6</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used heroin</b>										
15–19	3/154	1/205	3/220	5/277	5/255	1.9	0.5	1.4	1.8	2.0
20–24	5/330	12/374	10/450	23/571	27/627	1.5	3.2	2.2	4.0	4.3
25–29	6/213	8/269	18/360	24/469	44/590	2.8	3.0	5.0	5.1	7.5
30–34	3/125	8/177	9/224	16/341	37/390	2.4	4.5	4.0	4.7	9.5
35–39	3/90	5/125	13/167	15/224	20/300	3.3	4.0	7.8	6.7	6.7
40–44	0/73	4/68	3/113	8/143	6/199	0.0	5.9	2.7	5.6	3.0
45–54	2/80	4/104	2/146	14/198	11/239	2.5	3.8	1.4	7.1	4.6
55–64	0/26	0/27	1/40	4/61	6/84	0.0	0.0	2.5	6.6	7.1
≥65	1/8	0/4	0/2	0/9	0/16	12.5	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>23/1108</b>	<b>42/1359</b>	<b>59/1728</b>	<b>109/2301</b>	<b>156/2708</b>	<b>2.1</b>	<b>3.1</b>	<b>3.4</b>	<b>4.7</b>	<b>5.8</b>
<b>Used cocaine</b>										
15–19	2/155	4/205	5/218	10/276	6/253	1.3	2.0	2.3	3.6	2.4
20–24	10/329	11/373	10/450	13/571	22/624	3.0	2.9	2.2	2.3	3.5
25–29	8/213	14/272	16/362	35/470	38/590	3.8	5.1	4.4	7.4	6.4
30–34	10/125	16/177	12/225	15/340	35/390	8.0	9.0	5.3	4.4	9.0
35–39	8/90	5/125	10/167	12/226	18/300	8.9	4.0	6.0	5.3	6.0
40–44	6/73	6/68	6/113	15/143	11/201	8.2	8.8	5.3	10.5	5.5
45–54	4/79	10/103	11/148	15/199	17/238	5.1	9.7	7.4	7.5	7.1
55–64	0/26	1/27	1/39	2/60	3/85	0.0	3.7	2.6	3.3	3.5
≥65	0/8	0/4	0/2	0/9	0/16	0.0	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>48/1107</b>	<b>67/1360</b>	<b>72/1730</b>	<b>118/2302</b>	<b>150/2705</b>	<b>4.3</b>	<b>4.9</b>	<b>4.2</b>	<b>5.1</b>	<b>5.5</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used crack</b>										
15–19	0/155	0/205	2/218	4/277	2/255	0.0	0.0	0.9	1.4	0.8
20–24	5/330	6/374	8/449	5/570	12/626	1.5	1.6	1.8	0.9	1.9
25–29	5/213	9/271	10/360	18/470	11/585	2.3	3.3	2.8	3.8	1.9
30–34	5/125	13/177	10/225	14/340	19/390	4.0	7.3	4.4	4.1	4.9
35–39	7/90	7/125	16/167	9/226	14/299	7.8	5.6	9.6	4.0	4.7
40–44	9/73	9/68	6/114	13/142	6/201	12.3	13.2	5.3	9.2	3.0
45–54	9/79	20/105	13/148	15/198	19/238	11.4	19.0	8.8	7.6	8.0
55–64	1/26	1/27	3/40	4/60	3/83	3.8	3.7	7.5	6.7	3.6
≥65	1/8	0/4	0/2	0/9	0/16	12.5	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>42/1108</b>	<b>65/1362</b>	<b>68/1729</b>	<b>82/2300</b>	<b>86/2701</b>	<b>3.8</b>	<b>4.8</b>	<b>3.9</b>	<b>3.6</b>	<b>3.2</b>
<b>Used nitrates/poppers</b>										
15–19	1/154	0/205	2/216	5/275	0/248	0.6	0.0	0.9	1.8	0.0
20–24	2/329	1/373	3/450	5/551	3/602	0.6	0.3	0.7	0.9	0.5
25–29	1/210	3/269	5/359	1/454	1/562	0.5	1.1	1.4	0.2	0.2
30–34	0/126	2/176	0/221	1/330	3/376	0.0	1.1	0.0	0.3	0.8
35–39	0/90	1/125	3/167	0/215	4/288	0.0	0.8	1.8	0.0	1.4
40–44	1/73	2/68	0/113	1/138	1/199	1.4	2.9	0.0	0.7	0.5
45–54	2/77	1/103	0/144	0/194	3/236	2.6	1.0	0.0	0.0	1.3
55–64	0/26	0/27	1/39	0/60	1/83	0.0	0.0	2.6	0.0	1.2
≥65	0/8	0/4	0/2	0/9	0/16	0.0	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>7/1102</b>	<b>10/1356</b>	<b>14/1717</b>	<b>13/2233</b>	<b>16/2618</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.6</b>	<b>0.6</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used erectile dysfunction medications</b>										
15–19	0/152	0/203	0/213	0/271	1/246	0.0	0.0	0.0	0.0	0.4
20–24	0/328	0/371	1/445	0/556	0/607	0.0	0.0	0.2	0.0	0.0
25–29	0/210	0/268	0/356	1/460	1/562	0.0	0.0	0.0	0.2	0.2
30–34	0/124	1/76	1/219	1/334	1/377	0.0	0.6	0.5	0.3	0.3
35–39	0/90	0/124	1/164	0/214	0/293	0.0	0.0	0.6	0.0	0.0
40–44	0/73	0/68	0/113	1/140	0/201	0.0	0.0	0.0	0.7	0.0
45–54	1/77	0/103	1/143	0/196	1/239	1.3	0.0	0.7	0.0	0.4
55–64	0/26	0/26	0/40	0/60	0/83	0.0	0.0	0.0	0.0	0.0
≥65	0/8	0/4	0/2	0/9	0/16	0.0	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>1/1096</b>	<b>1/1349</b>	<b>4/1701</b>	<b>3/2247</b>	<b>4/2632</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>
<b>Used other drug(s)</b>										
15–19	43/156	44/206	57/219	77/276	63/257	27.6	21.4	26.0	27.9	24.5
20–24	88/330	91/374	104/461	123/573	138/630	26.7	24.3	22.6	21.5	21.9
25–29	41/213	72/271	99/368	125/472	147/590	19.2	26.6	26.9	26.5	24.9
30–34	27/125	46/176	57/232	80/341	89/395	21.6	26.1	24.6	23.5	22.5
35–39	20/90	27/125	43/170	63/223	68/299	22.2	21.6	25.3	28.3	22.7
40–44	16/73	17/68	21/116	36/142	34/202	21.9	25.0	18.1	25.4	16.8
45–54	13/79	26/106	34/148	35/201	45/241	16.5	24.5	23.0	17.4	18.7
55–64	3/26	6/27	5/41	4/60	16/85	11.5	22.2	12.2	6.7	18.8
≥65	2/8	0/4	0/2	0/9	1/16	25.0	0.0	0.0	0.0	6.3
<b>Women Total†</b>	<b>255/1109</b>	<b>331/1363</b>	<b>423/1763</b>	<b>546/2305</b>	<b>603/2723</b>	<b>23.0</b>	<b>24.3</b>	<b>24.0</b>	<b>23.7</b>	<b>22.1</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Used no drugs</b>										
15–19	88/156	140/204	112/210	141/276	135/250	56.4	68.6	53.3	51.1	54.0
20–24	194/327	226/372	263/442	317/567	339/602	59.3	60.8	59.5	55.9	56.3
25–29	133/213	162/270	208/354	241/452	280/577	62.4	60.0	58.8	53.3	48.5
30–34	78/124	96/177	113/226	174/335	182/382	62.9	54.2	50.0	51.9	47.6
35–39	47/90	73/125	79/165	107/223	146/303	52.2	58.4	47.9	48.0	48.2
40–44	44/73	35/68	65/117	68/141	101/197	60.3	51.5	55.6	48.2	51.3
45–54	46/79	57/104	79/146	115/194	126/237	58.2	54.8	54.1	59.3	53.2
55–64	20/26	18/26	26/39	40/61	51/83	76.9	69.2	66.7	65.6	61.4
≥65	5/8	3/4	2/2	6/9	11/16	62.5	75.0	100.0	66.7	68.8
<b>Women Total†</b>	<b>660/1105</b>	<b>814/1356</b>	<b>949/1707</b>	<b>1213/2267</b>	<b>1375/2656</b>	<b>59.7</b>	<b>60.0</b>	<b>55.6</b>	<b>53.5</b>	<b>51.8</b>
<b>Sexual behaviors and partners within past 12 months</b>										
<b>Exchanged drugs/money for sex</b>										
15–19	13/179	6/221	15/234	18/291	10/272	7.3	2.7	6.4	6.2	3.7
20–24	23/360	25/417	35/487	35/626	41/656	6.4	6.0	7.2	5.6	6.3
25–29	13/234	30/290	41/392	53/502	68/620	5.6	10.3	10.5	10.6	11.0
30–34	18/141	27/200	25/248	51/350	55/419	12.8	13.5	10.1	14.6	13.1
35–39	11/105	12/135	28/188	36/240	39/322	10.5	8.9	14.9	15.0	12.1
40–44	11/81	14/82	13/118	22/146	22/213	13.6	17.1	11.0	15.1	10.3
45–54	13/81	17/107	19/155	28/213	28/249	16.0	15.9	12.3	13.1	11.2
55–64	1/27	3/25	3/40	3/64	11/86	3.7	12.0	7.5	4.7	12.8
≥65	0/8	1/4	0/3	0/9	1/14	0.0	25.0	0.0	0.0	7.1
<b>Women Total†</b>	<b>104/1226</b>	<b>135/1488</b>	<b>181/1871</b>	<b>246/2449</b>	<b>276/2863</b>	<b>8.5</b>	<b>9.1</b>	<b>9.7</b>	<b>10.0</b>	<b>9.6</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex while high/intoxicated</b>										
15–19	48/176	42/218	57/228	82/286	67/262	27.3	19.3	25.0	28.7	25.6
20–24	94/352	118/406	131/480	202/616	217/652	26.7	29.1	27.3	32.8	33.3
25–29	73/232	85/287	127/376	163/487	257/624	31.5	29.6	33.8	33.5	41.2
30–34	45/139	71/196	96/243	130/345	173/418	32.4	36.2	39.5	37.7	41.4
35–39	38/105	44/132	79/187	104/237	148/326	36.2	33.3	42.2	43.9	45.4
40–44	22/76	33/80	36/117	64/139	68/204	28.9	41.3	30.8	46.0	33.3
45–54	21/82	32/103	44/156	69/211	86/247	25.6	31.1	28.2	32.7	34.8
55–64	7/27	4/25	11/37	11/62	28/86	25.9	16.0	29.7	17.7	32.6
≥65	1/8	1/3	0/3	0/9	1/14	12.5	33.3	0.0	0.0	7.1
<b>Women Total†</b>	<b>352/1205</b>	<b>432/1457</b>	<b>583/1833</b>	<b>829/2401</b>	<b>1045/2844</b>	<b>29.2</b>	<b>29.6</b>	<b>31.8</b>	<b>34.5</b>	<b>36.7</b>
<b>Had sex with person who injects drugs</b>										
15–19	4/170	7/202	11/218	6/273	19/250	2.4	3.5	5.0	2.2	7.6
20–24	11/343	26/385	22/451	40/563	42/615	3.2	6.8	4.9	7.1	6.8
25–29	15/226	24/272	33/363	45/466	95/579	6.6	8.8	9.1	9.7	16.4
30–34	11/132	27/180	26/222	44/302	70/384	8.3	15.0	11.7	14.6	18.2
35–39	10/99	15/124	22/181	34/210	43/282	10.1	12.1	12.2	16.2	15.2
40–44	4/73	6/73	8/99	25/126	19/186	5.5	8.2	8.1	19.8	10.2
45–54	8/75	5/96	13/132	20/180	31/221	10.7	5.2	9.8	11.1	14.0
55–64	1/23	3/21	0/36	3/53	6/75	4.3	14.3	0.0	5.7	8.0
≥65	0/7	0/3	0/3	0/8	0/12	0.0	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>64/1157</b>	<b>113/1362</b>	<b>135/1710</b>	<b>217/2188</b>	<b>325/2615</b>	<b>5.5</b>	<b>8.3</b>	<b>7.9</b>	<b>9.9</b>	<b>12.4</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had sex with anonymous partner</b>										
15–19	23/177	37/223	47/231	49/278	47/267	13.0	16.6	20.3	17.6	17.6
20–24	65/356	63/406	72/464	109/620	137/649	18.3	15.5	15.5	17.6	21.1
25–29	37/231	65/289	76/378	101/483	128/616	16.0	22.5	20.1	20.9	20.8
30–34	31/137	52/198	50/244	86/354	101/417	22.6	26.3	20.5	24.3	24.2
35–39	20/102	21/136	46/180	62/240	80/328	19.6	15.4	25.6	25.8	24.4
40–44	16/79	24/77	17/113	48/144	47/204	20.3	31.2	15.0	33.3	23.0
45–54	16/83	22/103	30/144	43/208	57/255	19.3	21.4	20.8	20.7	22.4
55–64	7/25	6/26	9/43	11/61	20/90	28.0	23.1	20.9	18.0	22.2
≥65	1/7	0/4	0/3	0/9	1/12	14.3	0.0	0.0	0.0	8.3
<b>Women Total†</b>	<b>219/1208</b>	<b>293/1469</b>	<b>350/1805</b>	<b>513/2406</b>	<b>621/2849</b>	<b>18.1</b>	<b>19.9</b>	<b>19.4</b>	<b>21.3</b>	<b>21.8</b>
<b>Had sex with an MSM (female cases only)</b>										
15–19	3/165	1/194	9/215	5/257	11/238	1.8	0.5	4.2	1.9	4.6
20–24	8/328	7/359	14/432	32/556	23/588	2.4	1.9	3.2	5.8	3.9
25–29	7/217	16/260	10/349	20/425	31/549	3.2	6.2	2.9	4.7	5.6
30–34	5/132	12/171	8/219	11/312	29/356	3.8	7.0	3.7	3.5	8.1
35–39	1/96	3/116	10/169	14/210	20/279	1.0	2.6	5.9	6.7	7.2
40–44	1/71	0/71	7/98	12/135	7/176	1.4	0.0	7.1	8.9	4.0
45–54	6/71	4/89	9/130	6/175	6/215	8.5	4.5	6.9	3.4	2.8
55–64	3/17	3/21	1/39	3/53	1/75	17.6	14.3	2.6	5.7	1.3
≥65	1/5	1/2	0/1	0/8	0/9	20.0	50.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>35/1111</b>	<b>47/1287</b>	<b>69/1657</b>	<b>104/2139</b>	<b>128/2495</b>	<b>3.2</b>	<b>3.7</b>	<b>4.2</b>	<b>4.9</b>	<b>5.1</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Met a sex partner through the internet</b>										
15–19	17/173	25/209	36/223	37/272	42/252	9.8	12.0	16.1	13.6	16.7
20–24	29/343	44/415	41/471	69/577	72/617	8.5	10.6	8.7	12.0	11.7
25–29	20/219	34/278	32/363	46/443	79/577	9.1	12.2	8.8	10.4	13.7
30–34	11/133	13/181	18/220	27/321	37/386	8.3	7.2	8.2	8.4	9.6
35–39	5/99	11/125	15/168	27/216	33/303	5.1	8.8	8.9	12.5	10.9
40–44	6/77	1/79	7/111	15/138	14/184	7.8	1.3	6.3	10.9	7.6
45–54	6/81	6/102	10/150	14/190	21/220	7.4	5.9	6.7	7.4	9.5
55–64	1/20	1/23	3/36	3/57	6/77	5.0	4.3	8.3	5.3	7.8
≥65	0/7	0/3	0/4	1/9	0/12	0.0	0.0	0.0	11.1	0.0
<b>Women Total†</b>	<b>96/1161</b>	<b>135/1422</b>	<b>163/1753</b>	<b>242/2231</b>	<b>306/2639</b>	<b>8.3</b>	<b>9.5</b>	<b>9.3</b>	<b>10.8</b>	<b>11.6</b>
<b>Had 0–1 sex partners</b>										
15–19	65/174	100/202	103/234	127/277	122/263	37.4	49.5	44.0	45.8	46.4
20–24	168/366	158/409	239/478	277/604	293/664	45.9	38.6	50.0	45.9	44.1
25–29	106/233	138/281	190/389	240/501	285/624	45.5	49.1	48.8	47.9	45.7
30–34	68/137	98/194	123/237	183/359	195/429	49.6	50.5	51.9	51.0	45.5
35–39	52/106	79/135	86/176	110/233	171/335	49.1	58.5	48.9	47.2	51.0
40–44	46/79	44/81	64/117	72/147	122/220	58.2	54.3	54.7	49.0	55.5
45–54	54/87	60/105	84/150	110/208	150/257	62.1	57.1	56.0	52.9	58.4
55–64	16/27	19/26	27/39	47/62	55/85	59.3	73.1	69.2	75.8	64.7
≥65	5/6	2/2	4/4	7/9	12/14	83.3	100.0	100.0	77.8	85.7
<b>Women Total†</b>	<b>583/1226</b>	<b>699/1442</b>	<b>925/1832</b>	<b>1180/2411</b>	<b>1411/2903</b>	<b>47.6</b>	<b>48.5</b>	<b>50.5</b>	<b>48.9</b>	<b>48.6</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Had 2–5 sex partners</b>										
15–19	91/174	94/202	115/234	131/277	135/263	52.3	46.5	49.1	47.3	51.3
20–24	174/366	220/409	209/478	277/604	329/664	47.5	53.8	43.7	45.9	49.5
25–29	113/233	126/281	176/389	217/501	286/624	48.5	44.8	45.2	43.3	45.8
30–34	60/137	79/194	97/237	143/359	195/429	43.8	40.7	40.9	39.8	45.5
35–39	44/106	47/135	71/176	95/233	131/335	41.5	34.8	40.3	40.8	39.1
40–44	28/79	28/81	43/117	59/147	84/220	35.4	34.6	36.8	40.1	38.2
45–54	28/87	40/105	57/150	83/208	93/257	32.2	38.1	38.0	39.9	36.2
55–64	9/27	4/26	11/39	12/62	23/85	33.3	15.4	28.2	19.4	27.1
≥65	1/6	0/2	0/4	1/9	2/14	16.7	0.0	0.0	11.1	14.3
<b>Women Total†</b>	<b>553/1226</b>	<b>643/1442</b>	<b>781/1832</b>	<b>1022/2411</b>	<b>1282/2903</b>	<b>45.1</b>	<b>44.6</b>	<b>42.6</b>	<b>42.4</b>	<b>44.2</b>
<b>Had ≥6 sex partners</b>										
15–19	18/174	8/202	16/234	19/277	6/263	10.3	4.0	6.8	6.9	2.3
20–24	24/366	31/409	30/478	50/604	42/664	6.6	7.6	6.3	8.3	6.3
25–29	14/233	17/281	23/389	44/501	53/624	6.0	6.0	5.9	8.8	8.5
30–34	9/137	17/194	17/237	33/359	39/429	6.6	8.8	7.2	9.2	9.1
35–39	10/106	9/135	19/176	28/233	33/335	9.4	6.7	10.8	12.0	9.9
40–44	5/79	9/81	10/117	16/147	14/220	6.3	11.1	8.5	10.9	6.4
45–54	5/87	5/105	9/150	15/208	14/257	5.7	4.8	6.0	7.2	5.4
55–64	2/27	3/26	1/39	3/62	7/85	7.4	11.5	2.6	4.8	8.2
≥65	0/6	0/2	0/4	1/9	0/14	0.0	0.0	0.0	11.1	0.0
<b>Women Total†</b>	<b>90/1226</b>	<b>100/1442</b>	<b>126/1832</b>	<b>209/2411</b>	<b>210/2903</b>	<b>7.3</b>	<b>6.9</b>	<b>6.9</b>	<b>8.7</b>	<b>7.2</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Other characteristics</b>										
<b>Incarceration within past 12 months</b>										
15–19	15/178	17/215	12/221	28/291	23/271	8.4	7.9	5.4	9.6	8.5
20–24	24/358	35/408	48/477	77/604	74/654	6.7	8.6	10.1	12.7	11.3
25–29	28/226	37/289	55/379	84/489	116/630	12.4	12.8	14.5	17.2	18.4
30–34	16/141	41/194	38/234	59/348	89/416	11.3	21.1	16.2	17.0	21.4
35–39	25/107	16/129	33/183	59/239	55/317	23.4	12.4	18.0	24.7	17.4
40–44	12/77	9/81	11/117	23/142	27/205	15.6	11.1	9.4	16.2	13.2
45–54	10/78	19/108	21/151	19/206	30/241	12.8	17.6	13.9	9.2	12.4
55–64	3/24	3/24	2/39	3/62	3/81	12.5	12.5	5.1	4.8	3.7
≥65	0/7	0/3	0/3	0/9	0/13	0.0	0.0	0.0	0.0	0.0
<b>Women Total†</b>	<b>136/1207</b>	<b>179/1458</b>	<b>221/1810</b>	<b>352/2398</b>	<b>419/2840</b>	<b>11.3</b>	<b>12.3</b>	<b>12.2</b>	<b>14.7</b>	<b>14.8</b>
<b>History of prior STD ever</b>										
15–19	67/166	75/183	92/208	119/249	111/231	40.4	41.0	44.2	47.8	48.1
20–24	170/332	182/379	223/430	304/550	307/583	51.2	48.0	51.9	55.3	52.7
25–29	113/225	116/246	175/338	244/437	301/539	50.2	47.2	51.8	55.8	55.8
30–34	59/129	88/168	102/197	150/275	203/373	45.7	52.4	51.8	54.5	54.4
35–39	41/98	53/117	75/157	108/203	154/272	41.8	45.3	47.8	53.2	56.6
40–44	25/73	28/74	45/102	50/116	96/173	34.2	37.8	44.1	43.1	55.5
45–54	28/77	38/92	45/127	67/166	85/191	36.4	41.3	35.4	40.4	44.5
55–64	8/23	5/19	6/28	11/54	29/75	34.8	26.3	21.4	20.4	38.7
≥65	1/7	0/0	1/4	1/8	4/13	14.3	0.0	25.0	12.5	30.8
<b>Women Total†</b>	<b>515/1140</b>	<b>587/1286</b>	<b>764/1596</b>	<b>1055/2065</b>	<b>1294/2465</b>	<b>45.2</b>	<b>45.6</b>	<b>47.9</b>	<b>51.1</b>	<b>52.5</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table 4d. Frequency\* of reported behaviors/characteristics among women with reported primary and secondary syphilis cases by age group (in years), United States, 2013–2017 (Continued).**

Behavior/characteristic	Number					Percent				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
<b>Living with HIV</b>										
15–19	3/152	3/183	2/195	2/250	3/255	2.0	1.6	1.0	0.8	1.2
20–24	9/313	12/352	12/398	14/567	21/639	2.9	3.4	3.0	2.5	3.3
25–29	7/213	14/258	6/321	14/476	27/607	3.3	5.4	1.9	2.9	4.4
30–34	18/116	12/168	10/185	17/321	22/417	15.5	7.1	5.4	5.3	5.3
35–39	3/85	10/114	10/148	16/220	15/313	3.5	8.8	6.8	7.3	4.8
40–44	5/71	6/64	1/81	8/133	14/191	7.0	9.4	1.2	6.0	7.3
45–54	11/72	12/93	6/106	13/190	15/235	15.3	12.9	5.7	6.8	6.4
55–64	1/23	2/25	3/30	8/57	7/81	4.3	8.0	10.0	14.0	8.6
≥65	0/7	0/2	1/3	0/8	0/11	0.0	0.0	33.3	0.0	0.0
<b>Women Total†</b>	<b>58/1059</b>	<b>71/1266</b>	<b>52/1473</b>	<b>92/2230</b>	<b>124/2760</b>	<b>5.5</b>	<b>5.6</b>	<b>3.5</b>	<b>4.1</b>	<b>4.5</b>

\* Frequency for each behavior/characteristic was calculated among cases that had data for that behavior/characteristic (cases with missing or unknown responses were excluded from the denominator).

† Women Total includes cases <15 years of age and cases with unknown age.

**Table A. Total number of reported primary and secondary syphilis cases by sex and sexual behavior, region, and race/Hispanic ethnicity, United States, 2013–2017.**

	Total Number of Reported Cases				
	2013	2014	2015	2016	2017
<b>Sex and sexual behavior</b>					
MSM	10954	12226	14229	16155	17736
MSW	2220	2513	3178	3880	4548
Women	1500	1840	2298	3049	3722
Men with unknown data on sex partner	2687	3407	4140	4689	4601
Unknown sex	14	13	27	41	37
<b>US Total</b>	<b>17375</b>	<b>19999</b>	<b>23872</b>	<b>27814</b>	<b>30644</b>
<b>Region</b>					
<b>West</b>					
MSM	3317	3739	4276	5085	5849
MSW	467	654	819	1226	1630
Women	305	457	643	1027	1329
Men with unknown data on sex partner	888	999	1483	1328	1279
Unknown sex	3	2	3	4	5
<b>West Total</b>	<b>4980</b>	<b>5851</b>	<b>7224</b>	<b>8670</b>	<b>10092</b>
<b>Midwest</b>					
MSM	1755	1731	1877	2334	2584
MSW	351	446	517	524	525
Women	250	324	339	398	442
Men with unknown data on sex partner	369	461	489	586	629
Unknown sex	4	1	0	2	2
<b>Midwest Total</b>	<b>2729</b>	<b>2963</b>	<b>3222</b>	<b>3844</b>	<b>4182</b>
<b>South</b>					
MSM	4207	4865	5806	6155	6613
MSW	1171	1154	1521	1697	1919
Women	834	905	1126	1374	1660
Men with unknown data on sex partner	789	1184	1269	1585	1683
Unknown sex	0	6	7	13	8
<b>South Total</b>	<b>7001</b>	<b>8114</b>	<b>9729</b>	<b>10824</b>	<b>11883</b>
<b>Northeast</b>					
MSM	1675	1891	2270	2581	2690
MSW	231	259	321	433	474
Women	111	154	190	250	291
Men with unknown data on sex partner	641	763	899	1190	1010
Unknown sex	7	4	17	22	22
<b>Northeast Total</b>	<b>2665</b>	<b>3071</b>	<b>3697</b>	<b>4476</b>	<b>4487</b>
<b>US Total</b>	<b>17375</b>	<b>19999</b>	<b>23872</b>	<b>27814</b>	<b>30644</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

**Table A. Total number of reported primary and secondary syphilis cases by sex and sexual behavior, region, and race/Hispanic ethnicity, United States, 2013–2017 (Continued).**

	Total Number of Reported Cases				
	2013	2014	2015	2016	2017
<b>Race/Hispanic ethnicity</b>					
<b>White</b>					
MSM	4221	4664	5247	6019	6567
MSW	472	620	814	1074	1340
Women	307	454	635	943	1308
Men with unknown data on sex partner	914	1097	1380	1652	1490
Unknown sex	2	1	2	4	8
<b>White Total</b>	<b>5916</b>	<b>6836</b>	<b>8078</b>	<b>9692</b>	<b>10713</b>
<b>Black</b>					
MSM	3609	3907	4563	4731	4996
MSW	1168	1226	1498	1673	1808
Women	870	928	1119	1313	1399
Men with unknown data on sex partner	919	1233	1340	1484	1540
Unknown sex	7	8	8	22	11
<b>Black Total</b>	<b>6573</b>	<b>7302</b>	<b>8528</b>	<b>9223</b>	<b>9754</b>
<b>Hispanic</b>					
MSM	2319	2660	3225	3881	4259
MSW	449	510	618	828	1016
Women	210	296	372	538	685
Men with unknown data on sex partner	479	568	787	939	821
Unknown sex	2	2	10	7	9
<b>Hispanic Total</b>	<b>3459</b>	<b>4036</b>	<b>5012</b>	<b>6193</b>	<b>6790</b>
<b>Asian</b>					
MSM	286	328	359	469	588
MSW	28	32	39	69	69
Women	18	14	27	40	38
Men with unknown data on sex partner	59	61	81	94	79
Unknown sex	0	0	1	2	1
<b>Asian Total</b>	<b>391</b>	<b>435</b>	<b>507</b>	<b>674</b>	<b>775</b>
<b>AI/AN</b>					
MSM	39	73	74	87	110
MSW	16	23	18	34	54
Women	24	55	25	45	73
Men with unknown data on sex partner	28	19	13	24	27
Unknown sex	0	0	0	0	0
<b>AI/AN Total</b>	<b>107</b>	<b>170</b>	<b>130</b>	<b>190</b>	<b>264</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

**Table A. Total number of reported primary and secondary syphilis cases by sex and sexual behavior, region, and race/Hispanic ethnicity, United States, 2013–2017 (Continued).**

	Total Number of Reported Cases				
	2013	2014	2015	2016	2017
<b>NHOPI</b>					
MSM	32	27	33	51	55
MSW	5	2	9	4	11
Women	3	2	4	7	9
Men with unknown data on sex partner	7	2	11	10	4
Unknown sex	0	0	0	0	0
<b>NHOPI Total</b>	<b>47</b>	<b>33</b>	<b>57</b>	<b>72</b>	<b>79</b>
<b>Multirace</b>					
MSM	112	188	231	250	366
MSW	9	16	28	32	35
Women	8	16	21	41	42
Men with unknown data on sex partner	39	72	82	80	85
Unknown sex	1	0	0	2	5
<b>Multirace Total</b>	<b>169</b>	<b>292</b>	<b>362</b>	<b>405</b>	<b>533</b>
<b>Other</b>					
MSM	82	77	110	169	227
MSW	15	16	32	45	63
Women	10	12	16	25	44
Men with unknown data on sex partner	33	43	59	72	126
Unknown sex	0	0	1	1	1
<b>Other Total</b>	<b>140</b>	<b>148</b>	<b>218</b>	<b>312</b>	<b>461</b>
<b>Unknown race/Hispanic ethnicity</b>					
MSM	254	302	387	498	568
MSW	58	68	122	121	152
Women	50	63	79	97	124
Men with unknown data on sex partner	209	312	387	334	429
Unknown sex	2	2	5	3	2
<b>Unknown race/Hispanic ethnicity Total</b>	<b>573</b>	<b>747</b>	<b>980</b>	<b>1053</b>	<b>1275</b>
<b>US Total</b>	<b>17375</b>	<b>19999</b>	<b>23872</b>	<b>27814</b>	<b>30644</b>
<b>Age group (years)</b>					
<b>&lt;15</b>					
MSM	13	2	1	2	4
MSW	1	2	0	2	0
Women	12	8	10	12	20
Men with unknown data on sex partner	2	0	0	3	2
Unknown sex	0	0	1	0	0
<b>&lt;15 Total</b>	<b>28</b>	<b>12</b>	<b>12</b>	<b>19</b>	<b>26</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

**Table A. Total number of reported primary and secondary syphilis cases by sex and sexual behavior, region, and race/Hispanic ethnicity, United States, 2013–2017 (Continued).**

	Total Number of Reported Cases				
	2013	2014	2015	2016	2017
<b>15–19</b>					
MSM	469	510	595	664	783
MSW	141	139	161	178	177
Women	200	262	283	340	327
Men with unknown data on sex partner	90	112	109	115	132
Unknown sex	0	0	0	1	2
<b>15–19 Total</b>	<b>900</b>	<b>1023</b>	<b>1148</b>	<b>1298</b>	<b>1421</b>
<b>20–24</b>					
MSM	2307	2606	2945	3120	3223
MSW	462	490	610	629	796
Women	435	503	573	744	848
Men with unknown data on sex partner	435	536	631	669	709
Unknown sex	3	2	7	10	4
<b>20–24 Total</b>	<b>3642</b>	<b>4137</b>	<b>4766</b>	<b>5172</b>	<b>5580</b>
<b>25–29</b>					
MSM	2157	2593	3195	3721	4147
MSW	403	475	624	815	870
Women	286	361	491	624	795
Men with unknown data on sex partner	477	659	852	1002	1016
Unknown sex	6	4	6	15	10
<b>25–29 Total</b>	<b>3329</b>	<b>4092</b>	<b>5168</b>	<b>6177</b>	<b>6838</b>
<b>30–34</b>					
MSM	1585	1773	2126	2500	2862
MSW	286	367	469	599	708
Women	172	248	311	464	549
Men with unknown data on sex partner	401	495	639	707	743
Unknown sex	3	4	4	8	8
<b>30–34 Total</b>	<b>2447</b>	<b>2887</b>	<b>3549</b>	<b>4278</b>	<b>4870</b>
<b>35–39</b>					
MSM	1146	1254	1461	1767	2039
MSW	219	238	327	456	541
Women	125	177	229	311	431
Men with unknown data on sex partner	309	376	461	506	565
Unknown sex	1	0	4	3	4
<b>35–39 Total</b>	<b>1800</b>	<b>2045</b>	<b>2482</b>	<b>3043</b>	<b>3580</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.

**Table A. Total number of reported primary and secondary syphilis cases by sex and sexual behavior, region, and race/Hispanic ethnicity, United States, 2013–2017 (Continued).**

	Total Number of Reported Cases				
	2013	2014	2015	2016	2017
<b>40–44</b>					
MSM	1104	1108	1127	1220	1243
MSW	186	225	267	293	395
Women	105	103	152	193	282
Men with unknown data on sex partner	297	321	350	431	367
Unknown sex	1	1	1	3	3
<b>40–44 Total</b>	<b>1693</b>	<b>1758</b>	<b>1897</b>	<b>2140</b>	<b>2290</b>
<b>45–54</b>					
MSM	1647	1790	2023	2264	2423
MSW	330	360	451	554	605
Women	119	135	190	261	334
Men with unknown data on sex partner	518	680	820	873	725
Unknown sex	0	1	4	1	4
<b>45–54 Total</b>	<b>2614</b>	<b>2966</b>	<b>3488</b>	<b>3953</b>	<b>4091</b>
<b>55–64</b>					
MSM	434	505	663	765	862
MSW	148	166	194	266	333
Women	34	36	54	80	117
Men with unknown data on sex partner	134	189	242	307	273
Unknown sex	0	1	0	0	1
<b>55–64 Total</b>	<b>750</b>	<b>897</b>	<b>1153</b>	<b>1418</b>	<b>1586</b>
<b>≥65</b>					
MSM	89	82	91	130	147
MSW	44	49	75	88	120
Women	10	7	5	10	19
Men with unknown data on sex partner	19	38	36	51	62
Unknown sex	0	0	0	0	1
<b>≥65 Total</b>	<b>162</b>	<b>176</b>	<b>207</b>	<b>279</b>	<b>349</b>
<b>Unknown age</b>					
MSM	3	3	2	2	3
MSW	0	2	0	0	3
Women	2	0	0	10	0
Men with unknown data on sex partner	5	1	0	25	7
Unknown sex	0	0	0	0	0
<b>Unknown Age Total</b>	<b>10</b>	<b>6</b>	<b>2</b>	<b>37</b>	<b>13</b>
<b>US Total</b>	<b>17375</b>	<b>19999</b>	<b>23872</b>	<b>27814</b>	<b>30644</b>

Abbreviations: MSM = gay, bisexual, or other men who have sex with men; MSW = men who have sex with women only; AI/AN = American Indian/Alaska Native; NHOPI = Native Hawaiian/Other Pacific Islander.