

# **Sexually Transmitted Disease Surveillance 1997**

**Division of STD Prevention  
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National Center for HIV, STD, and TB Prevention  
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## Foreword

“STDs are hidden epidemics of enormous health and economic consequence in the United States. They are hidden because many Americans are reluctant to address sexual health issues in an open way and because of the biologic and social characteristics of these diseases. All Americans have an interest in STD prevention because all communities are impacted by STDs and all individuals directly or indirectly pay for the costs of these diseases. STDs are public health problems that lack easy solutions because they are rooted in human behavior and fundamental societal problems. Indeed, there are many obstacles to effective prevention efforts. The first hurdle will be to confront the reluctance of American society to openly confront issues surrounding sexuality and STDs. Despite the barriers, there are existing individual- and community-based interventions that are effective and can be implemented immediately. That is why a multifaceted approach is necessary to both the individual and community levels.

To successfully prevent STDs, many stakeholders need to redefine their mission, refocus their efforts, modify how they deliver services, and accept new responsibilities. In this process, strong leadership, innovative thinking, partnerships, and adequate resources will be required. The additional investment required to effectively prevent STDs may be considerable, but it is negligible when compared with the likely return on the investment. The process of preventing STDs must be a collaborative one. No one agency, organization, or sector can effectively do it alone; all members of the community must do their part. A successful national initiative to confront and prevent STDs requires widespread public awareness and participation and bold national leadership from the highest levels”<sup>1</sup>.

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<sup>1</sup>Concluding statement from the Institute of Medicine’s Summary Report, *The Hidden Epidemic: Confronting Sexually Transmitted Diseases*, National Academy Press, Washington, D.C., 1997, p.43.

## Preface

*Sexually Transmitted Disease Surveillance, 1997* presents statistics and trends of sexually transmitted diseases (STDs) in the United States through 1997. This annual publication is intended as a reference document for policy makers, program managers, health planners, researchers, and others who are concerned with the public health implications of these diseases. The figures and tables in this edition supersede those in earlier publications of these data.

The surveillance information in this report is based on the following sources of data: (1) case reports from the STD project areas; (2) prevalence data from the Regional Infertility Prevention Projects, STD project areas, the U.S. Job Corps, and Jail STD Prevalence Monitoring Projects; (3) sentinel surveillance of gonococcal antimicrobial resistance from the Gonococcal Isolate Surveillance Project; and (4) national sample surveys implemented by federal and private organizations.

The STD surveillance systems operated by state and local STD control programs, which provide the case report data, are the sources of most of the information in this publication. These systems are an integral part of program management at all levels of STD prevention and control in the United States.

*Sexually Transmitted Disease Surveillance, 1997* consists of four parts. The **National Profile** contains figures that provide an overview of STD morbidity in the United States. The accompanying text identifies major findings and trends for selected STDs. The **Special Focus Profiles** contain figures and text describing STDs in selected subgroups and populations that are a focus of national and state prevention efforts. The **Detailed Tables** provide statistical information about STDs at the state, county, city, and national levels. The **Appendix** includes the sources and limitations of the data used to produce this report; Table A1 displaying progress made toward Healthy People 2000 Priority Area 19 on Sexually Transmitted Diseases; and Figures A1-A3 showing progress made by states in converting from hardcopy aggregate reporting to electronic line-listed data submissions.

Selected figures and tables in this document include a reference point that is used to monitor progress toward some of the Healthy People 2000 (HP2000) national health status objectives for STDs<sup>1</sup>. The original HP2000 health status objectives were developed in 1989 and revised in 1995. The revisions are used as reference points in this edition of *Sexually Transmitted Disease Surveillance, 1997*.

Any comments and suggestions that would improve the usefulness of future publications are appreciated and should be sent to Director, Division of STD Prevention, National Center for HIV, STD, and TB Prevention, Centers for Disease Control and Prevention, 1600 Clifton Road, Mailstop E-02, Atlanta, Georgia, 30333.

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<sup>1</sup>Department of Health and Human Services. *Healthy People 2000: Midcourse Review and 1995 Revisions*. U.S. Department of Health and Human Services, Public Health Service, U.S. Government Printing Office, Washington, D.C., 1995.

## **Acknowledgments**

Publication of this report would not have been possible without the contributions of the State and Territorial Health Departments and the Sexually Transmitted Disease Control Programs, who provided state and local surveillance data to the Centers for Disease Control and Prevention.

This report was prepared by the following staff members of the Division of STD Prevention, National Center for HIV, STD, and TB Prevention, Centers for Disease Control and Prevention: Susan Bradley, Jim Braxton, Sharon Clanton, Darlene Davis, Kathleen B. Dry, Lyn Finelli, Kimberley K. Fox, LaZetta Grier, Alesia Jester-Harvey, Kristen Mertz, Debra Mosure, Raymond Ransom, LuEtta Schneider, Maya Sternberg, Emmett Swint, and Diane M. Vitro.



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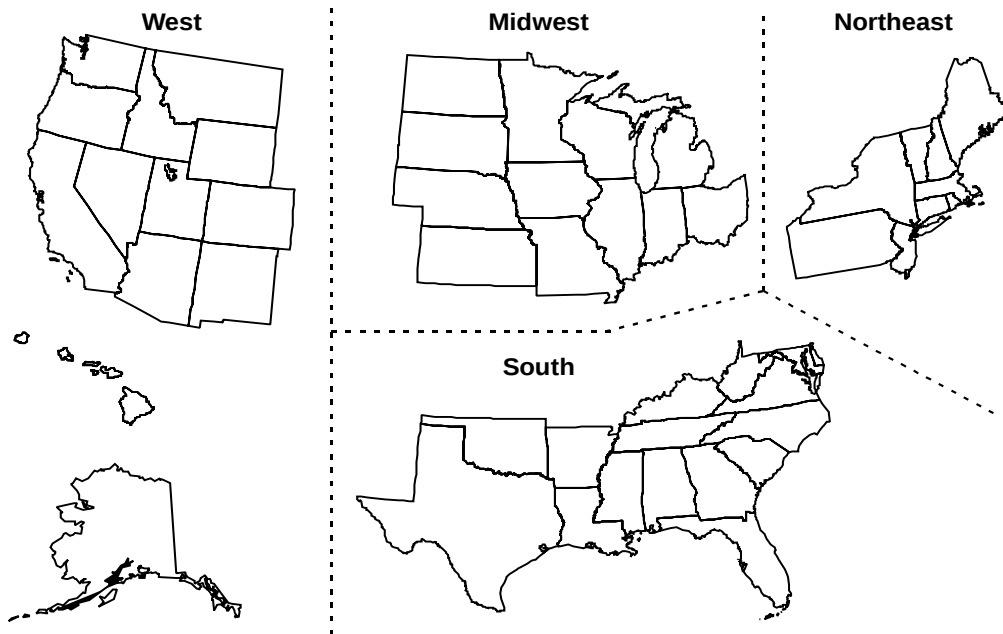
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## Geographic Divisions of the United States



### West

Alaska  
Arizona  
California  
Colorado  
Hawaii  
Idaho  
Montana  
Nevada  
New Mexico  
Oregon  
Utah  
Washington  
Wyoming

### Midwest

Illinois  
Indiana  
Iowa  
Kansas  
Michigan  
Minnesota  
Missouri  
Nebraska  
North Dakota  
Ohio  
South Dakota  
Wisconsin

### South

Alabama  
Arkansas  
Delaware  
District of Columbia  
Florida  
Georgia  
Kentucky  
Louisiana  
Maryland  
Mississippi  
North Carolina  
Oklahoma  
South Carolina  
Tennessee  
Texas  
Virginia  
West Virginia

### Northeast

Connecticut  
Maine  
Massachusetts  
New Hampshire  
New Jersey  
New York  
Pennsylvania  
Rhode Island  
Vermont

## National Overview of Sexually Transmitted Diseases, 1997

The logo on the cover of Sexually Transmitted Disease Surveillance, 1997 is a reminder of the multifaceted, national dimensions of the morbidity, mortality, and costs that result from sexually transmitted diseases (STDs) in the United States. It highlights the central role of STD prevention in improving women's and infants' health and in promoting HIV prevention. Organized collaboration among interested, committed public and private organizations is the key to reducing STDs and their related health burdens in our population. As noted in the recent report of the Institute of Medicine, *The Hidden Epidemic: Confronting Sexually Transmitted Diseases*<sup>1</sup>, surveillance is a key component of our efforts to prevent and control these diseases.

This overview summarizes national surveillance data on the three diseases for which we have federally-funded control programs: chlamydia, gonorrhea, and syphilis. Several observations for 1997 are worthy of note.

In 1997, the reported number of cases of genital *Chlamydia trachomatis* infections was 526,653, a rate of 207.0 per 100,000 persons. This rate exceeds that of all other notifiable infectious diseases in the United States. In 1997, the overall reported rate for women (335.8 per 100,000) was nearly five times that in men (70.4). This difference in reported cases is attributable to screening strategies that focus on women because the severe sequelae of chlamydia infections accrue principally to women, and because these infections are asymptomatic in the majority of cases among women.

Using local, state, and federal resources, chlamydia prevention programs for screening of asymptomatic women have been established throughout the country. In 1997, state-specific chlamydia test positivity among women aged 15-24 years who were screened at family planning clinics ranged from 2.0% to 11.2%. These screening programs have consistently shown that the highest positivity of chlamydial infection in women is in adolescents. In addition, examination of chlamydial screening results for rural and urban disadvantaged women aged 16-24 years entering the U.S. Job Corps shows that chlamydia is highly prevalent in these economically disadvantaged young women, with state-specific prevalence in 1997 ranging from 4.0% to 18.1%.

In parts of the United States where large-scale chlamydia programs have been instituted, prevalence of disease has steadily declined. During 1988-1997, among 15- to 44-year-old women participating in the screening programs in Health and Human Services (HHS) Region X family planning clinics, chlamydia test positivity declined 67% (from 9.3% to 3.1%). During 1994-1997, among women under 45 years of age in Region III, positivity declined 15% (from 4.7% to 4.0%), and in Region VIII, positivity declined 23% (from 3.9% to 3.0%). For definition of HHS regions, see the Appendix.

Data on gonorrhea for 1997 show that the annual decreases that have generally been evident since the national gonorrhea control program began in the mid-1970s may be lessening. The gonorrhea rates for 1996 and 1997 are similar (123.1 and 122.5 per 100,000 persons, respectively). Although

the 1997 gonorrhea rate is the lowest rate since national reporting began, it remains above the revised Healthy People 2000 (HP2000) objective of 100.

With respect to gender, the 1997 gonorrhea rate decreased slightly from the 1996 rate of 127.3 to 125.4 in males, and increased slightly in females, from 118.8 in 1996 to 119.3 in 1997. In contrast to earlier years, which generally exhibited decreasing age-specific rates, most age-specific categories showed little variation in rates between 1996 and 1997. The exceptions occurred among 15- to 19-year-olds whose rates decreased from 571.8 in 1996 to 530.3 in 1997, and among 20- to 24-year-olds whose rates increased from 523.8 in 1996 to 543.7 in 1997. Because men with gonorrhea are usually symptomatic and seek medical care, trends in males are probably a good measure of trends in disease incidence. Trends in women are determined more by screening practices. As for chlamydia, rates of gonorrhea in women are particularly high in adolescents, with the highest rates in 15- to 19-year-olds.

With regard to antimicrobial resistance, a small proportion of *Neisseria gonorrhoeae* isolates tested through the Gonococcal Isolate Surveillance Project (0.5% in 1997) demonstrated decreased susceptibility to ciprofloxacin, one of the currently recommended treatments for gonorrhea. However, resistance to ciprofloxacin continued to be rare in 1997 (0.1%).

The 8,550 cases of primary and secondary (P&S) syphilis reported in 1997 were the fewest cases reported in the United States since 1959. The P&S syphilis rate of 3.2 per 100,000 persons (the lowest since reporting began in 1941) is now below the HP2000 objective of 4 per 100,000. Syphilis continues to be reported only in specific areas of the country. In 1997, approximately 75% of U.S. counties reported no cases of P&S syphilis. However, P&S syphilis rates exceeded 4 per 100,000 in 413 counties (13% of total counties). These 413 counties accounted for 82% of all reported P&S syphilis cases. Most notably, 91% (376 of 413) of these counties were in the South. In addition, 9 of the 10 states or outlying areas with P&S syphilis rates greater than 4 per 100,000 were located in the South. These data suggest that comprehensive syphilis prevention efforts focused in the South could markedly reduce the number of U.S. syphilis cases.

When STD statistics were examined by race or ethnicity, wide discrepancies in reported STD rates persisted between racial or ethnic groups. For example, the gonorrhea rate in blacks is approximately 31 times greater than the rate in whites. The rate of P&S syphilis in blacks is about 44 times that in whites; P&S syphilis in Hispanics is about 3 times that in whites. However, in 1997, of the 1,034 reported congenital syphilis cases with known race or ethnicity of the mother, blacks and Hispanics accounted for 88% of these reported cases, while accounting for only 23% of the female population, and 33% of all births. Race and ethnicity in the United States serve as risk markers that correlate with other, more fundamental determinants of health status such as socioeconomic status, access to good quality medical care, and efforts to receive good quality medical care. Reporting biases also undoubtedly play a role in race differentials, while not explaining them completely.

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<sup>1</sup>Institute of Medicine. *The Hidden Epidemic: Confronting Sexually Transmitted Diseases*, Committee on Prevention and Control of Sexually Transmitted Diseases, National Academy Press, Washington, D.C., 1997.

## National Profile

The **National Profile** section contains figures showing trends and distribution of sexually transmitted diseases (STDs) by age, gender, race/ethnicity, and location for the United States. Where relevant, the figures illustrate progress toward specific year 2000 goals for the nation published in *Healthy People 2000: Midcourse Review and 1995 Revisions*.\*

\*See Appendix for Healthy People Year 2000 Revisions.



## Chlamydia

Infections due to *Chlamydia trachomatis* are among the most prevalent of all sexually transmitted diseases. In women these infections often result in pelvic inflammatory disease, which can cause infertility, ectopic pregnancy, and chronic pelvic pain. Data from a randomized controlled trial of chlamydia screening in a managed care setting suggest that such screening programs can reduce the incidence of PID by as much as 60%<sup>1</sup>. In addition, pregnant women infected with chlamydia can infect their babies during delivery.

While case reporting of chlamydial infections is improving, it remains incomplete in many areas of the country. A combination of factors limit the documentation of the incidence and prevalence of genital chlamydial infection: variable compliance with public health laws and regulations that require health care providers and laboratories to report cases to local health authorities; large numbers of asymptomatic persons who can be identified only through screening; limited resources to support screening activities; and incomplete information management systems for collecting, maintaining, and analyzing case reporting and prevalence data. Thus, for most areas, the number of chlamydia cases reported to CDC by state health departments reflects many factors, only one of which is number of infections in the population. For defined populations of sexually active women, data on prevalence obtained through routine screening can provide a more accurate measure of the true burden of disease.

- In 1997, 49 states and the District of Columbia required reporting of chlamydia and reported cases to CDC. Only cases from New York City were reported for the state of New York (Figure 1, Table 5).
- In 1997, 526,653 chlamydial infections were reported to CDC from 49 states, the District of Columbia and New York City (Table 1). Reported cases of chlamydia far exceed reported cases of gonorrhea (324,901 gonorrhea cases in 1997, Table 1).
- From 1987 through 1997 reported rates of chlamydia increased from 47.8 cases per 100,000 persons to 207.0 (Figure 2). This trend reflects increased screening, recognition of asymptomatic infection (mainly in women), and improved reporting, as well as the continuing high burden of disease.
- In 1996 and 1997, the chlamydia case rate (203.2 and 229.9, respectively) was highest in the South, reflecting a recent expansion of screening activity in this Region. Before 1996, reported chlamydia rates were highest in the West and Midwest, where substantial public resources had been committed for screening programs (e.g., in family planning clinics) (Table 5, Figures 3 and 4).
- Between 1996 and 1997, rates of chlamydia reported from selected large cities (over 200,000 population) increased 8% from 316.0 cases per 100,000 persons to 340.2 (Figure 5, Table 9).
- In 1997, reported rates of chlamydia for women (335.8 per 100,000 persons) exceeded those for men (70.4) (Figure 6, Tables 6, 7, 10, and 11). This is mainly due to detection

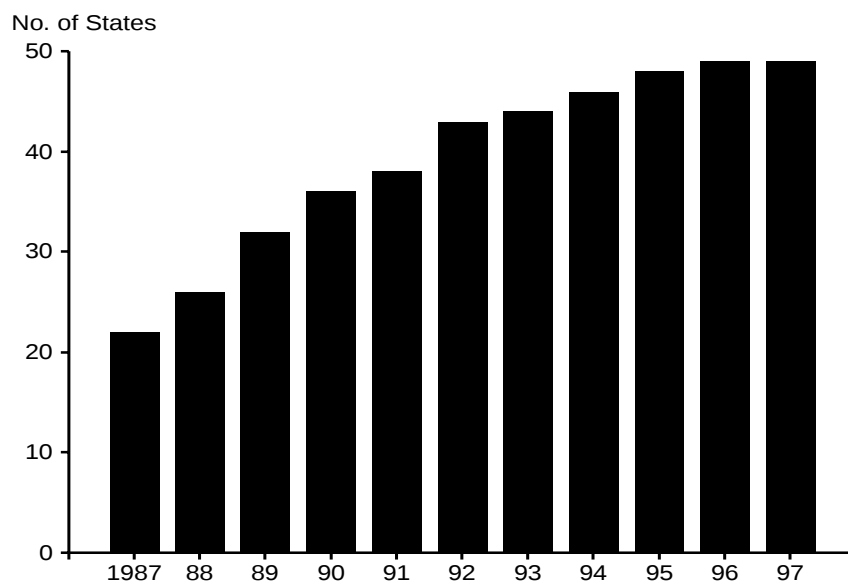
of asymptomatic infection in women through screening. The low rates in men suggest that many of the sex partners of women with chlamydia are not diagnosed or reported. In addition, men diagnosed as having non-gonococcal urethritis are treated but frequently not tested. A large proportion of these men are infected with chlamydia, but they are not detected by surveillance systems based on laboratory reporting of positive chlamydia tests.

- Rates of chlamydia for women were highest in the 15- to 19- year-olds (2,044.3 per 100,000) and in 20- to 24-year-olds (1,633.5). For men, age-specific rates were also highest in these age groups (Figure 7, Table 3B).
- Chlamydia screening and prevalence monitoring activities were initiated in Health and Human Services (HHS) Region X in 1988 as a CDC-supported demonstration project. In 1993, chlamydia screening services for women were initiated in three additional HHS regions (III, VII, and VIII) and, in 1995, in the remaining HHS regions (I, II, IV, V, VI, and IX). In some regions, federally-funded chlamydia screening supplements local- and state-funded screening programs.
- In 1997, state-specific chlamydia test positivity among 15- to 24-year-old women screened varied from 2.0% to 11.2% among those attending family planning clinics (Figure 9).
- The effectiveness of large-scale screening programs in reducing chlamydia prevalence in women has been well documented in areas where this intervention has been in place for several years. For example, the screening programs in Health and Human Services Region X (Alaska, Idaho, Oregon, Washington) family planning clinics have demonstrated a decline in chlamydia positivity of 67% since 1988 among 15- to 44-year-old women (Figure 10).
- Additional information on chlamydia screening programs for women of reproductive age and chlamydia among adolescents and minority populations can be found in the **Special Focus Profiles** section.

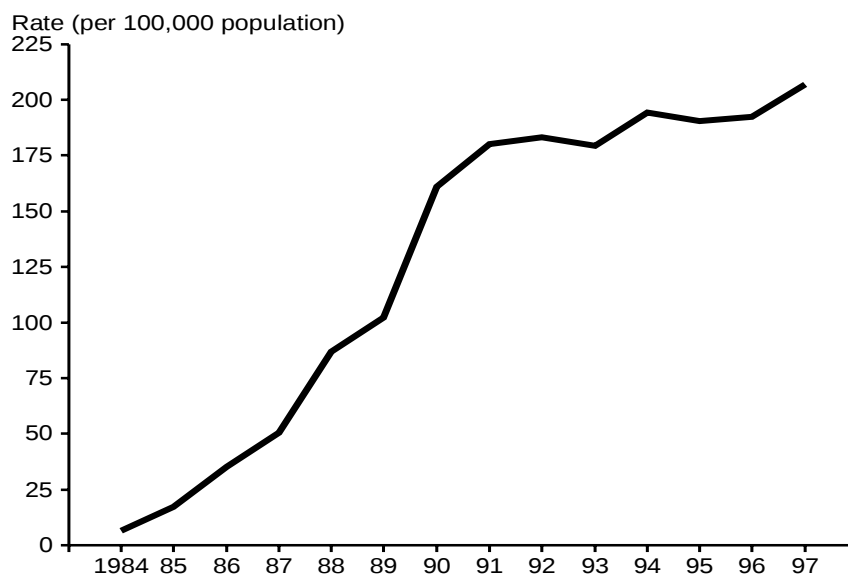
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<sup>1</sup>Scholes D, Stergachis A, Heidrich FE, Andrilla H, Holmes KK, Stamm WE. Prevention of pelvic inflammatory disease by screening for cervical chlamydial infection. *N Engl J Med* 1996;34(21):1362-66.

**Figure 1. Chlamydia — Number of states that require reporting of *Chlamydia trachomatis* infections: United States, 1987–1997**

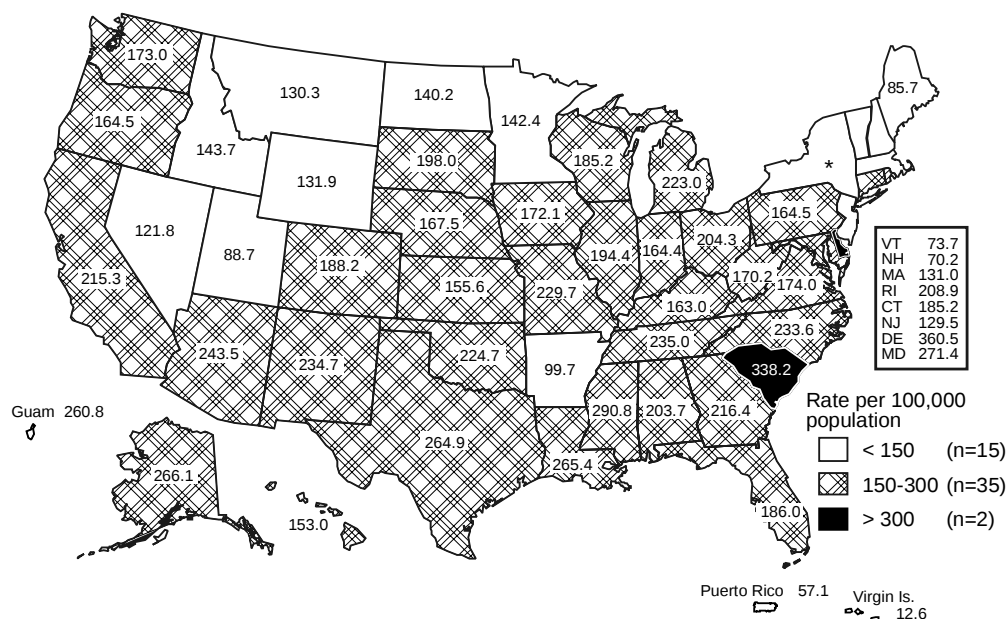


**Figure 2. Chlamydia — Reported rates: United States, 1984–1997**



Note: For further information on chlamydia reporting, see the Appendix.

**Figure 3. Chlamydia — Rates by state: United States and outlying areas, 1997**



\*The New York City rate was 385.7 per 100,000 population. No cases were reported outside of New York City.

Note: The total rate of chlamydia for the United States and outlying areas (including Guam, Puerto Rico and Virgin Islands) was 204.7 per 100,000 population. For further information on chlamydia reporting, see the Appendix.

**Figure 4. Chlamydia — Rates by region: United States, 1984–1997**



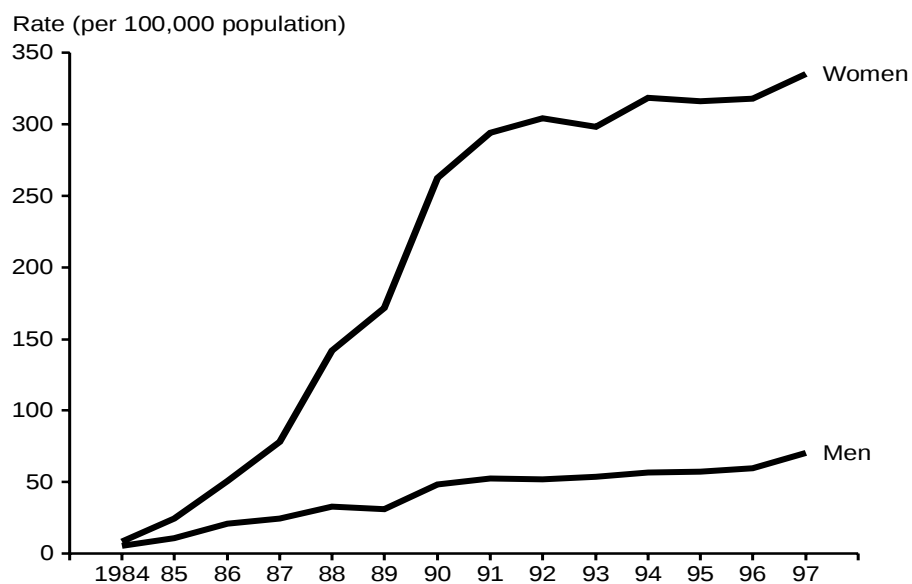
Note: For further information on chlamydia reporting, see the Appendix.

**Figure 5. Chlamydia — Rates in selected U.S. cities of >200,000 population, 1984–1997**



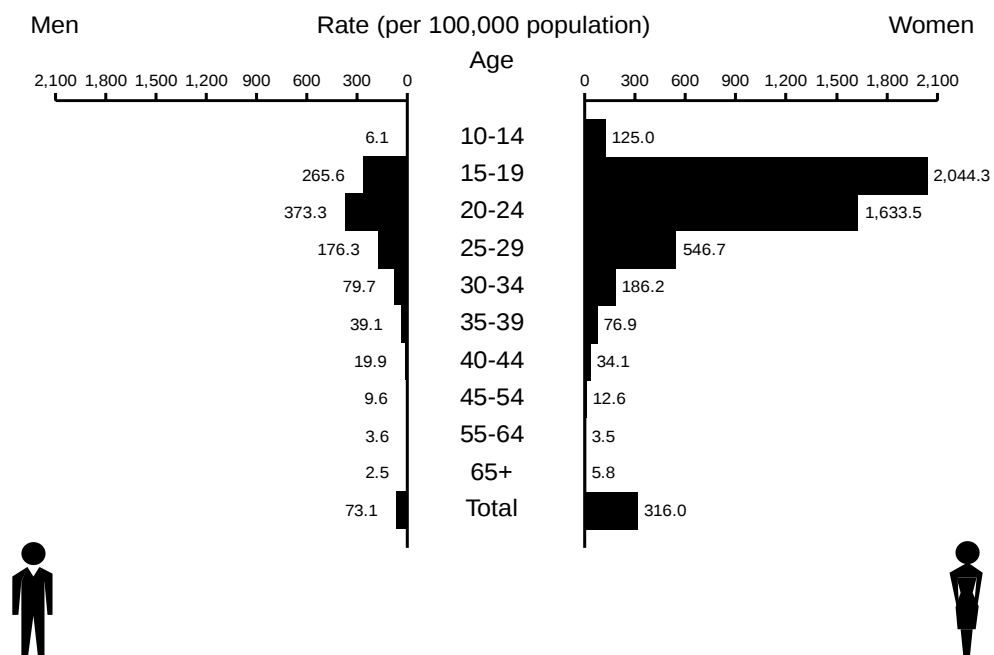
Note: For further information on chlamydia reporting, see the Appendix.

**Figure 6. Chlamydia — Rates by gender: United States, 1984–1997**

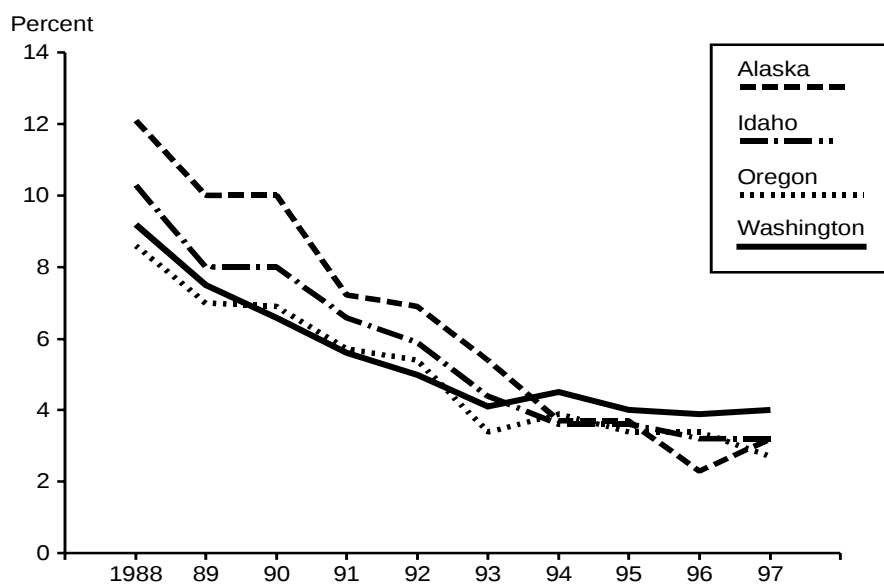


Note: For further information on chlamydia reporting, see the Appendix.

**Figure 7. Chlamydia — Age- and gender-specific rates: United States, 1997**



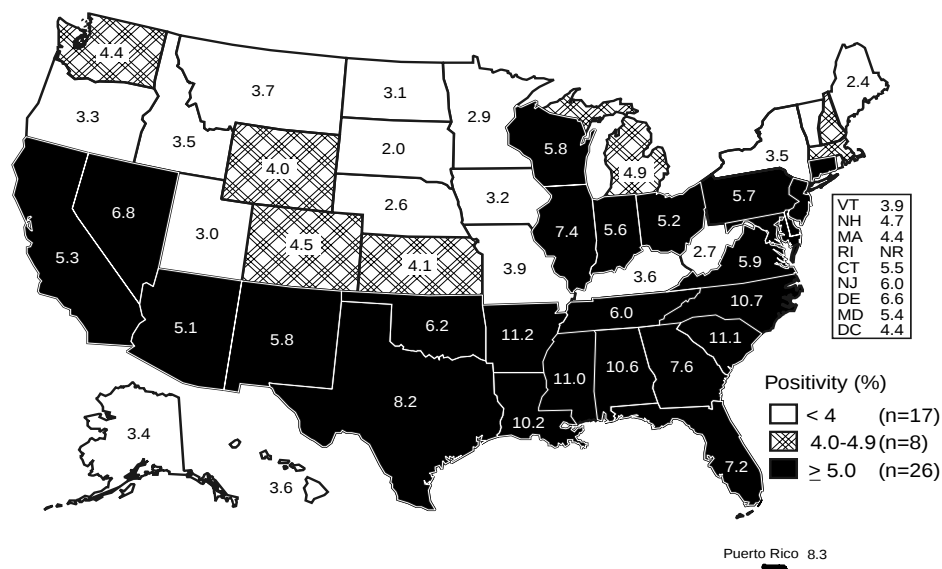
**Figure 8. Chlamydia — Positivity among women tested in family planning clinics by state: Region X, 1988–1997**



Note: Women who met screening criteria were tested.

SOURCE: Region X Chlamydia Project (Alaska, Idaho, Oregon and Washington)

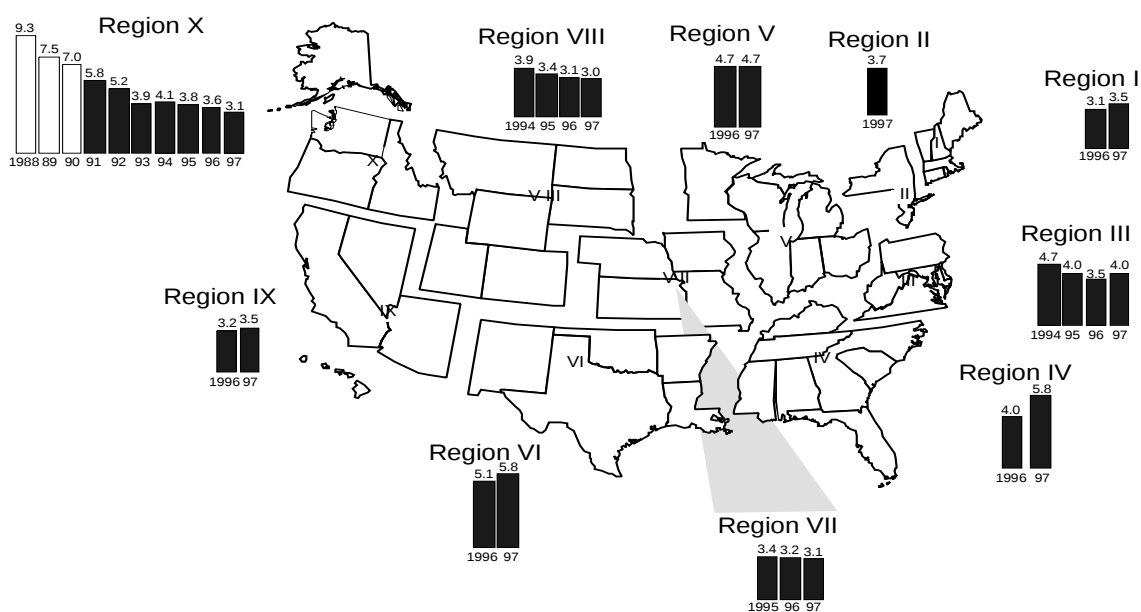
**Figure 9. Chlamydia — Positivity among 15-24 year old women tested in family planning clinics by state, 1997**



Note: States reported chlamydia positivity data on at least 500 women aged 15-24 years screened from January-December 1997 except for: Rhode Island - no chlamydia positivity data reported (NR); Puerto Rico - chlamydia positivity data reported for August-December only; and North Carolina - chlamydia positivity data reported for January-April only.

SOURCE: Regional Infertility Prevention Programs; Office of Population Affairs; Local and State STD Control Programs; Centers for Disease Control and Prevention

**Figure 10. Chlamydia — Trends in positivity among 15-44 year old women tested in family planning clinics by HHS regions**



Note: States reported chlamydia positivity data on at least 1,000 women aged 15-44 years during 1997. See Appendix for definition of Health and Human Services (HHS) regions.



## Gonorrhea

Infections due to *Neisseria gonorrhoeae*, like those due to *Chlamydia trachomatis*, remain a major cause of pelvic inflammatory disease, tubal infertility, ectopic pregnancy, and chronic pelvic pain in the United States. Epidemiologic studies provide strong evidence that gonococcal infections facilitate HIV transmission, and biological studies have begun to clarify the specific mechanisms through which this facilitation occurs<sup>1</sup>. Reporting of gonococcal infections has likely been biased towards reporting of infections in persons of minority race or ethnicity who attend public STD clinics.<sup>2</sup>

In 1997, there were several indications that annual decreases observed in preceding years may be leveling off.

- In 1997, 324,901 cases of gonorrhea were reported in the United States. Following the introduction of a national control program in the mid 1970s, the overall rate of gonorrhea has declined 74% since 1975. However, between 1996 and 1997 the rate decreased only slightly from 123.1 cases per 100,000 persons to 122.5 (Table 1 and Figure 11).
- In 1997, 32 states or outlying areas reported gonorrhea rates below the Healthy People 2000 (HP2000) national objective of 100 cases per 100,000 persons (Figure 12 and Table 13). However, gonorrhea rates decreased between 1996 and 1997 in only 22 of 34 states reporting more than 1,000 cases in 1997, whereas rates in the previous year decreased in 32 of 35 states with more than 1,000 cases (Table 14).
- Three of the four regions (West, Midwest, and Northeast) exhibited much smaller decreases in their gonorrhea rates between 1996 and 1997 than in preceding years, and the 1997 gonorrhea rate in the South (187.9 per 100,000 persons) was slightly higher than the 1996 rate (187.6). The South continued to have a higher rate than other regions (Figure 13).
- In contrast to preceding years when consistent decreases occurred, the overall gonorrhea rate (229.1 per 100,000) for selected large cities (over 200,000 population) increased in 1997 (Figure 14). Fifty-one (80%) of the 64 cities had rates exceeding the HP2000 objective (Table 17).
- In 1997, the gonorrhea rate in women increased slightly, and the gonorrhea rate in men decreased slightly. Rates in men and women were above the HP2000 objective in 22 and 20 states, respectively (Figure 15, Tables 15 and 16).
- Relative to 1996, gonorrhea rates in 1997 decreased for non-Hispanic blacks and American Indians/Alaska Natives, increased for Asian and Pacific Islanders, and were stable for non-Hispanic whites and Hispanics (Figure 16 and Table 12B). The gonorrhea rate for non-Hispanic blacks was above the HP2000 objective (Figure 16, Table 12B), and decreased by only 2%, from 826.5 cases per 100,000 persons in 1996 to 807.9 in 1997 (Table 12B), but was about 31 times greater than the rate for non-Hispanic whites.

- Between 1996 and 1997, the gonorrhea rates for 15- to 19-year-olds decreased from 571.8 per 100,000 to 530.3 and for 20- to 24-year-old young adults increased from 523.8 to 543.7. The rates for the other age groups showed little change between 1995 and 1996. These results contrasted with decreases observed in earlier years. Among women, 15- to 19-year-olds had the highest rate, while among men, 20- to 24-year-olds had the highest rate (Table 12B).
- Antimicrobial resistance remains an important consideration in the treatment of gonorrhea.<sup>3</sup> Overall, 33.4% of isolates collected in 1997 by the Gonococcal Isolate Surveillance Project (GISP) were resistant to penicillin, tetracycline, or both (Table 21). The percentage of GISP isolates that were penicillinase-producing *Neisseria gonorrhoeae* (PPNG) declined from a peak of 11.0% in 1991 to 3.9% in 1997 (Figure 19). In contrast, the percentage of isolates with chromosomally mediated resistance to penicillin increased from 1.8% in 1991 to 4.0% in 1997 (Figure 20). The prevalence of chromosomally mediated tetracycline resistance, 8.3% in 1997, has been relatively stable since 1989, except for a transient increase in 1995. However, the prevalence of isolates with chromosomally mediated resistance to penicillin and tetracycline (CMRNG) increased from 3.0% in 1989 to 8.7% in 1997 (Figure 20).
- The proportion of GISP isolates demonstrating decreased susceptibility to ciprofloxacin, one of the currently recommended treatments for gonorrhea, has decreased from a high of 1.3% in 1994 to 0.5% in 1997. Resistance to ciprofloxacin was first identified in GISP in 1991 but remains rare (0.1%) in 1997 (Figure 21). Reduced susceptibility and resistance to ciprofloxacin correlate with reduced susceptibility and resistance to other fluoroquinolone antibiotics.
- The percentage of men with gonorrhea who have repeat infection within a one-year period, as measured by the Gonococcal Isolate Surveillance Project (GISP), decreased from 21.5% in 1992 to 17.1% in 1997 (Figure 22), approaching the HP2000 objective of 15%.
- The Gonococcal Isolate Surveillance Project (GISP) also reports the percentage of men with gonorrhea who have sex with men (MSM).<sup>4</sup> This proportion increased from 4.0% in 1988 to 10.7% in 1997 for the 27 clinics. Among the nine GISP clinics reporting most MSM cases, the percentage of cases that were in MSM in 1997 ranged from 10.6% to 64.0%, with an overall average of 25.0% (Figure 23).
- Additional information about gonorrhea in racial and ethnic minority populations and adolescents can be found in the **Special Focus Profiles** section.

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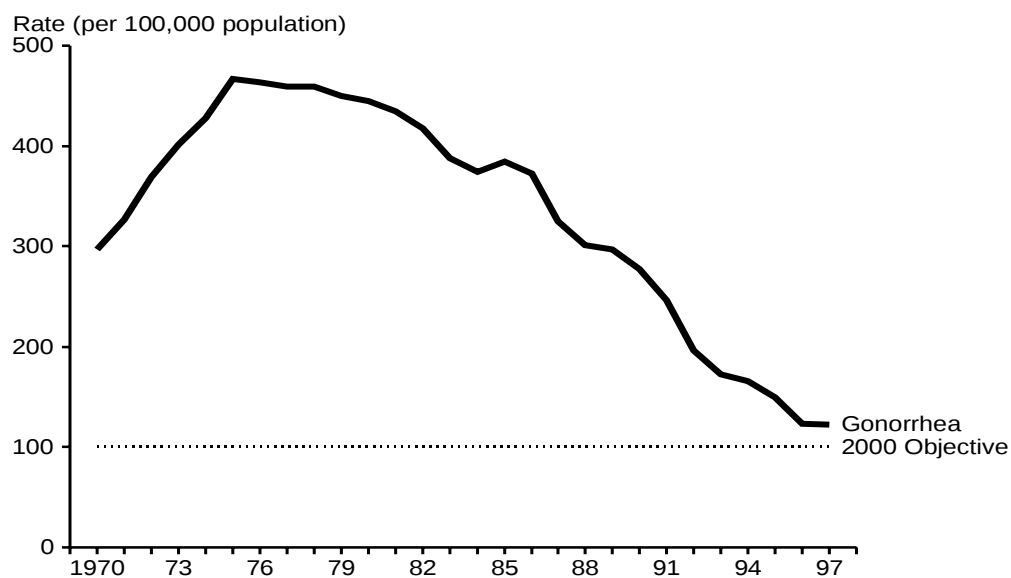
<sup>1</sup>Cohen MS, Hoffman IF, Royce RA, et al. Reduction of concentration of HIV-1 in semen after treatment of urethritis: implications for prevention of sexual transmission of HIV-1. *Lancet* 1997;349:1868-1873.

<sup>2</sup>Fox KK, Whittington W, Levine WC, Moran JS, Zaidi AA, Nakashima AN. Gonorrhea in the United States, 1981-1996: demographic and geographic trends, *Sex Transm Dis* 1998;25(7):386-393.

<sup>3</sup>Fox KK, Knapp JS, Holmes KK, Hook III EW, Judson FN, Thompson SE, Washington JA, Whitting WL. Antimicrobial resistance in *Neisseria gonorrhoeae* in the United States, 1988-1994: the emergence of decreased susceptibility to the fluoroquinolones, *J Infect Dis* 1997;175:1396-1403.

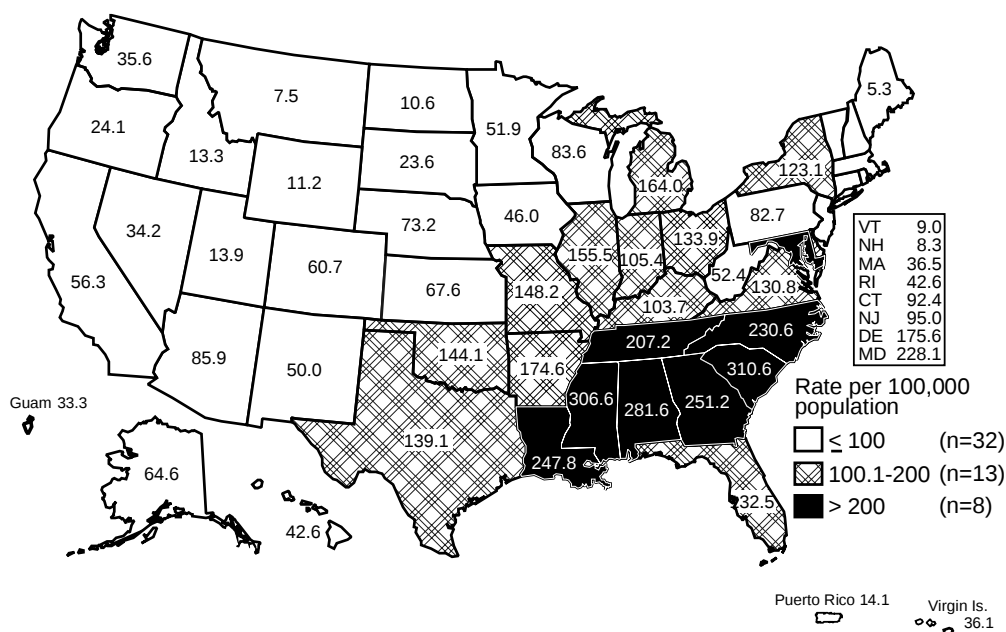
<sup>4</sup>CDC. Gonorrhea among men who have sex with men - selected sexually transmitted disease clinics, 1993-1996. *MMWR* 1997;46:889-92.

**Figure 11. Gonorrhea — Reported rates: United States, 1970–1997 and the Healthy People year 2000 objective**



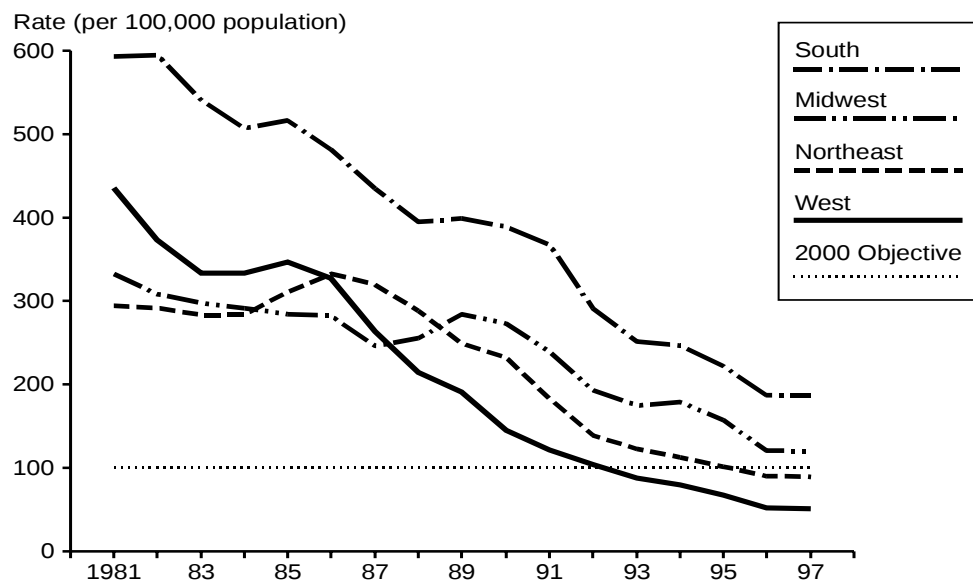
Note: Georgia did not report gonorrhea statistics in 1994 (see Appendix).

**Figure 12. Gonorrhea — Rates by state: United States and outlying areas, 1997**



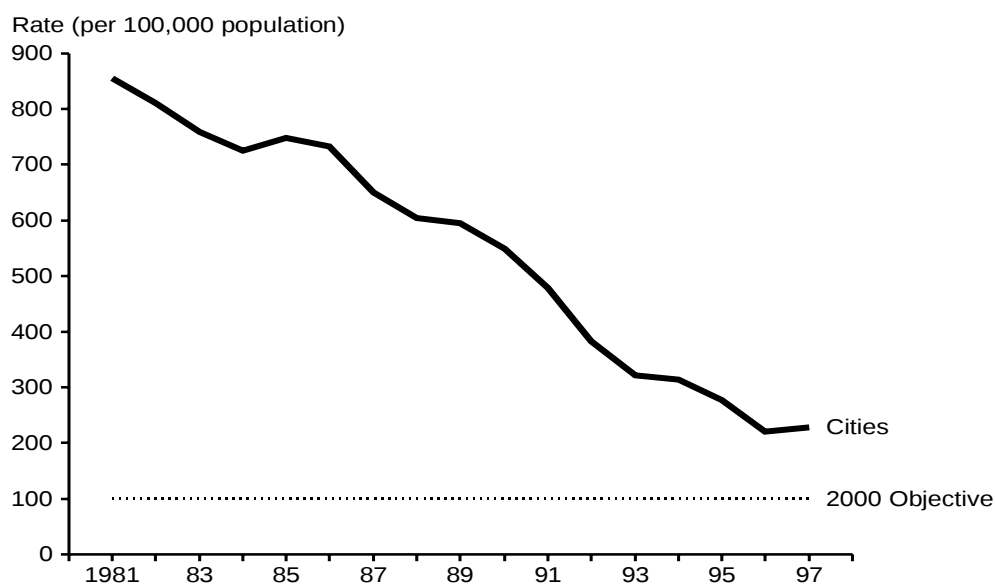
Note: The total rate of gonorrhea for the United States and outlying areas (including Guam, Puerto Rico and Virgin Islands) was 120.9 per 100,000 population. The Healthy People year 2000 objective is 100 per 100,000 population.

**Figure 13. Gonorrhea — Rates by region: United States, 1981–1997 and the Healthy People year 2000 objective**



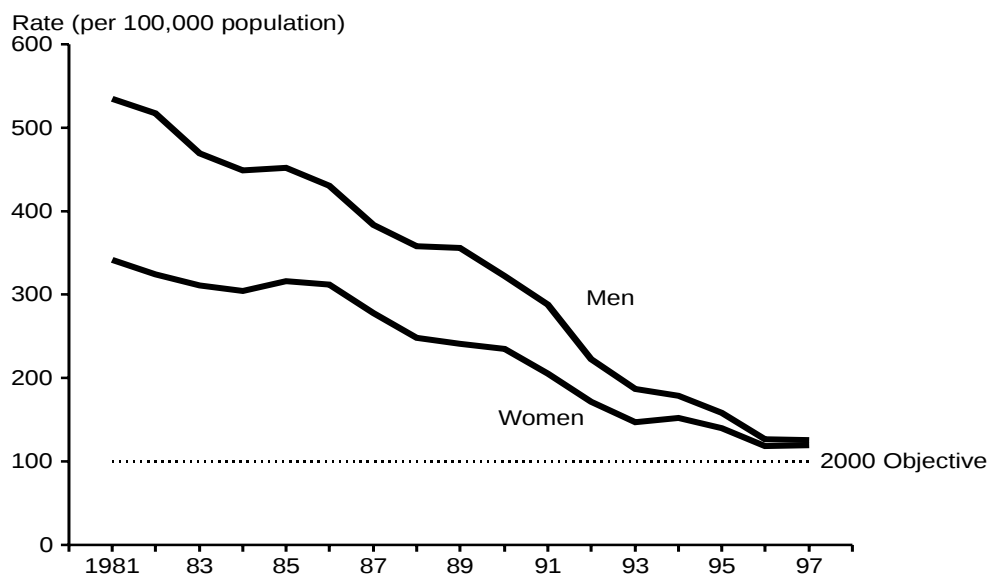
Note: Georgia did not report gonorrhea statistics in 1994 (see Appendix).

**Figure 14. Gonorrhea — Rates in selected U.S. cities of >200,000 population, 1981–1997 and the Healthy People year 2000 objective**



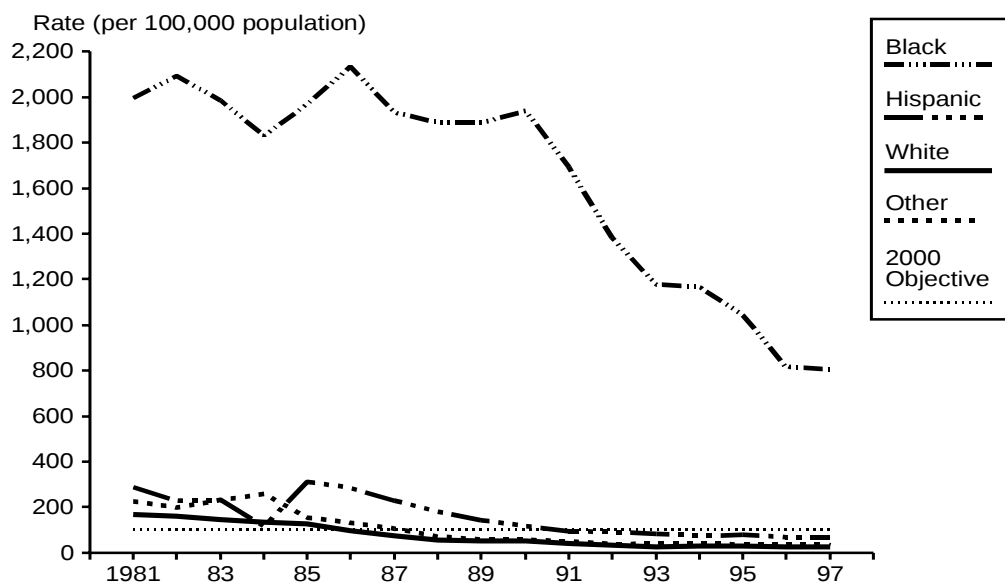
Note: Atlanta, GA did not report gonorrhea statistics in 1994 (see Appendix).

**Figure 15. Gonorrhea — Rates by gender: United States, 1981–1997 and the Healthy People year 2000 objective**



Note: Georgia did not report gonorrhea statistics in 1994 (see Appendix).

**Figure 16. Gonorrhea — Rates by race and ethnicity: United States, 1981–1997 and the Healthy People year 2000 objective**



Note: "Other" includes Asian/Pacific Islander and American Indian/Alaska Native populations. Georgia did not report gonorrhea statistics in 1994 (see Appendix).

Figure 17. Gonorrhea — Age- and gender-specific rates: United States, 1997

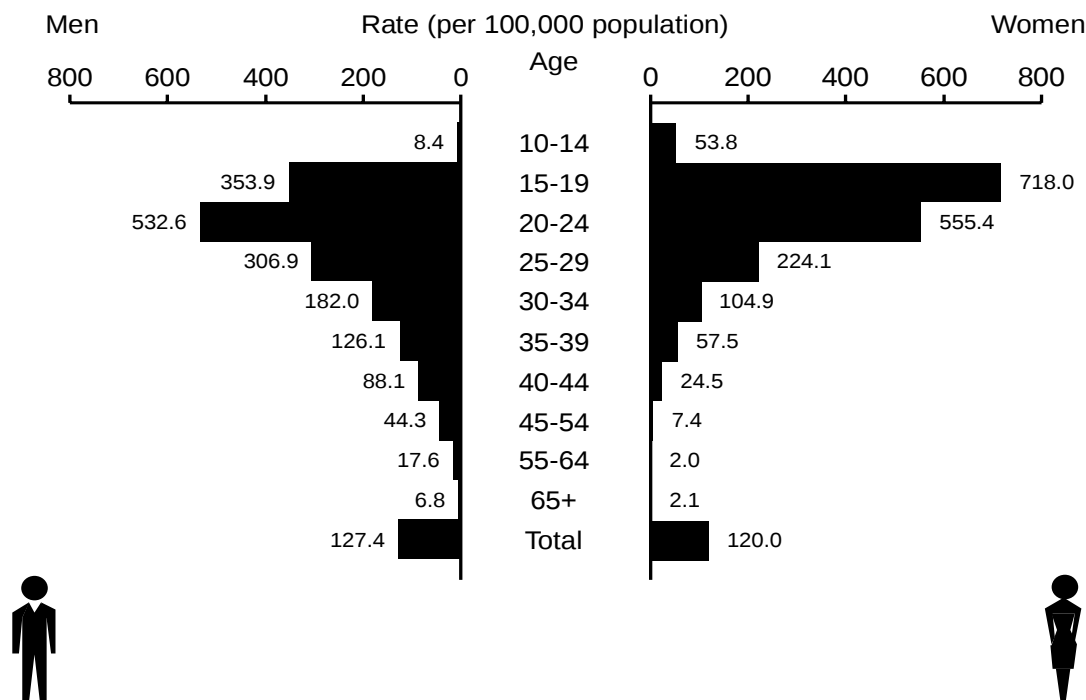
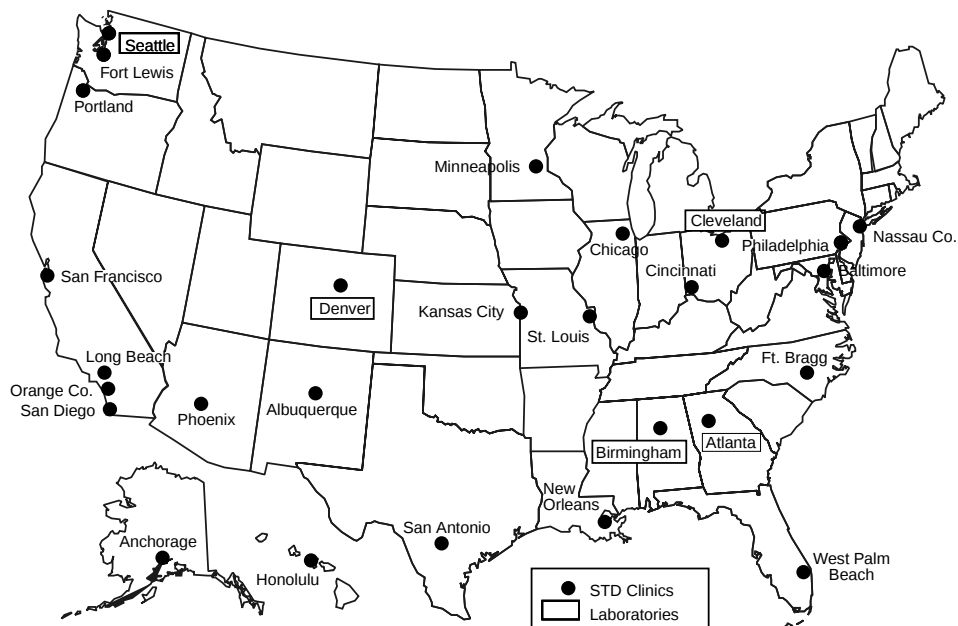
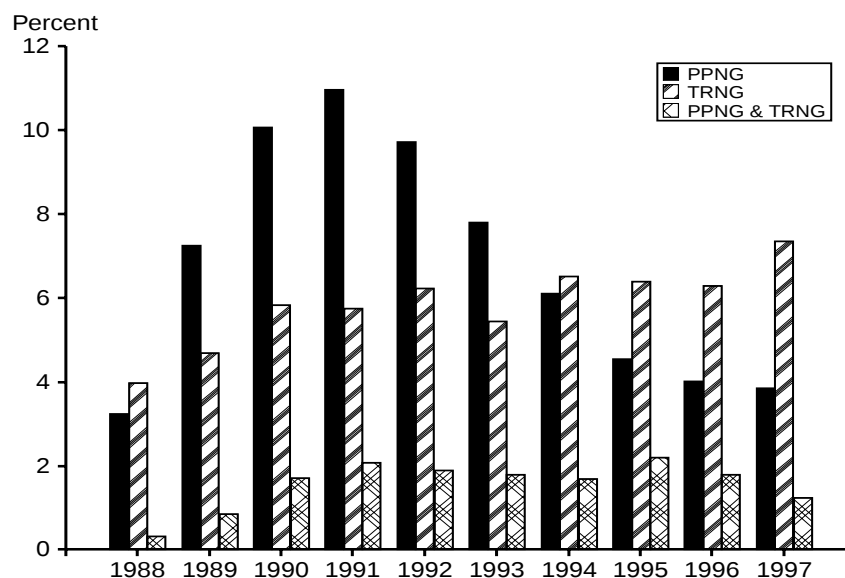


Figure 18. Gonococcal Isolate Surveillance Project (GISP) — Location of participating clinics and regional laboratories: United States, 1997

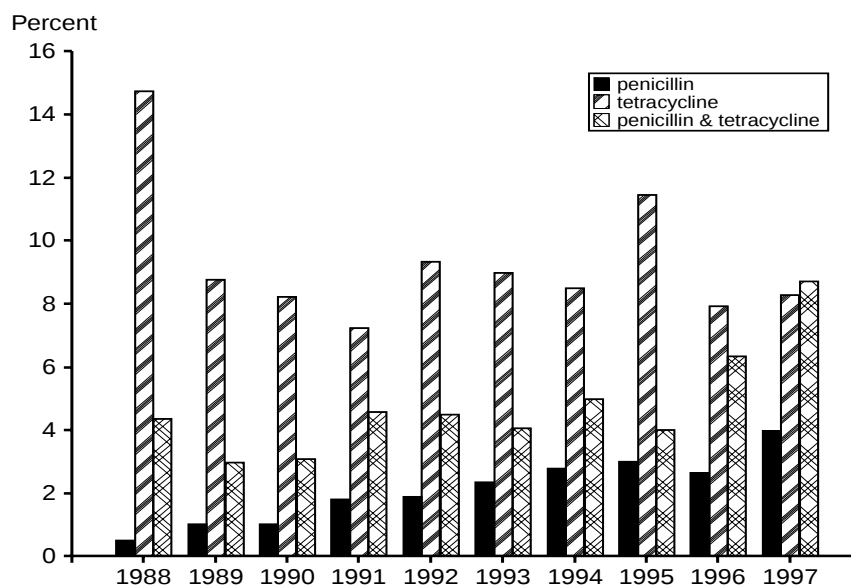


**Figure 19. Gonococcal Isolate Surveillance Project (GISP) — Trends in plasmid-mediated resistance to penicillin and tetracycline, 1988–1997**



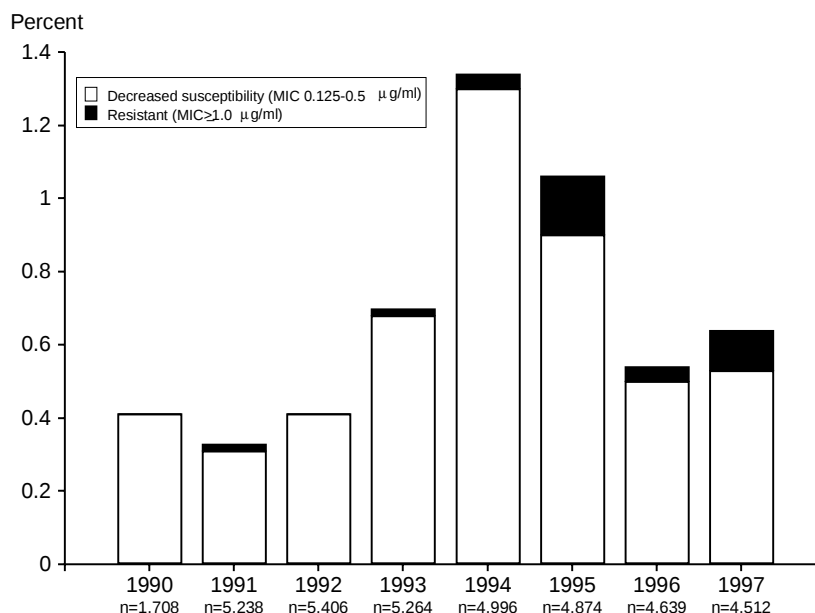
Note: "PPNG" (penicillinase-producing *Neisseria gonorrhoeae*) and "TRNG" (tetracycline-resistant *N. gonorrhoeae*) refer to plasmid-mediated resistance to penicillin and tetracycline, respectively.

**Figure 20. Gonococcal Isolate Surveillance Project (GISP) — Trends in chromosomally mediated resistance to penicillin and tetracycline, 1988–1997**



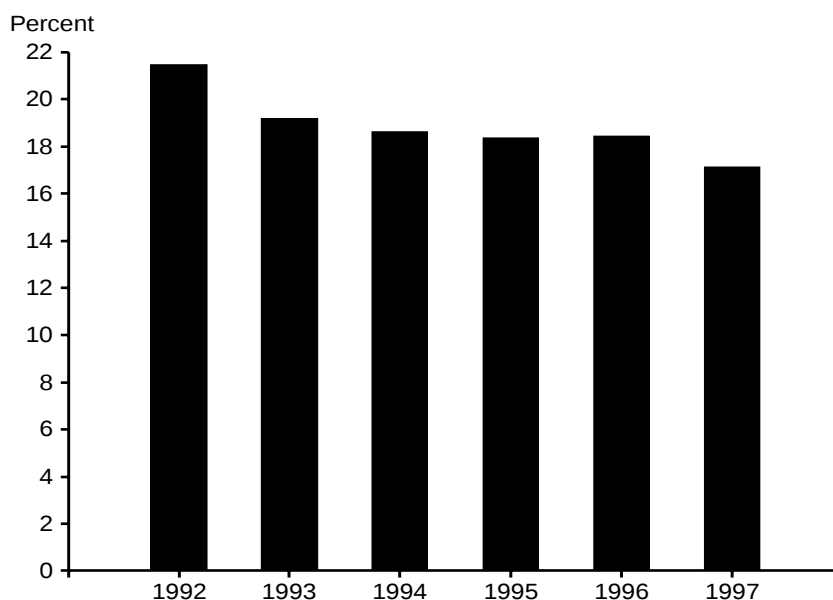
Note: Chromosomally mediated resistance to penicillin denotes a minimum inhibitory concentration (MIC) of greater than or equal to 2 µg penicillin/mL and beta-lactamase negative; chromosomally mediated resistance to tetracycline corresponds to a MIC of greater than or equal to 2 µg tetracycline/mL without plasmid-mediated tetracycline resistance.

**Figure 21. Gonococcal Isolate Surveillance Project (GISP) — Prevalence of *Neisseria gonorrhoeae* with decreased susceptibility or resistance to ciprofloxacin, 1990–1997**



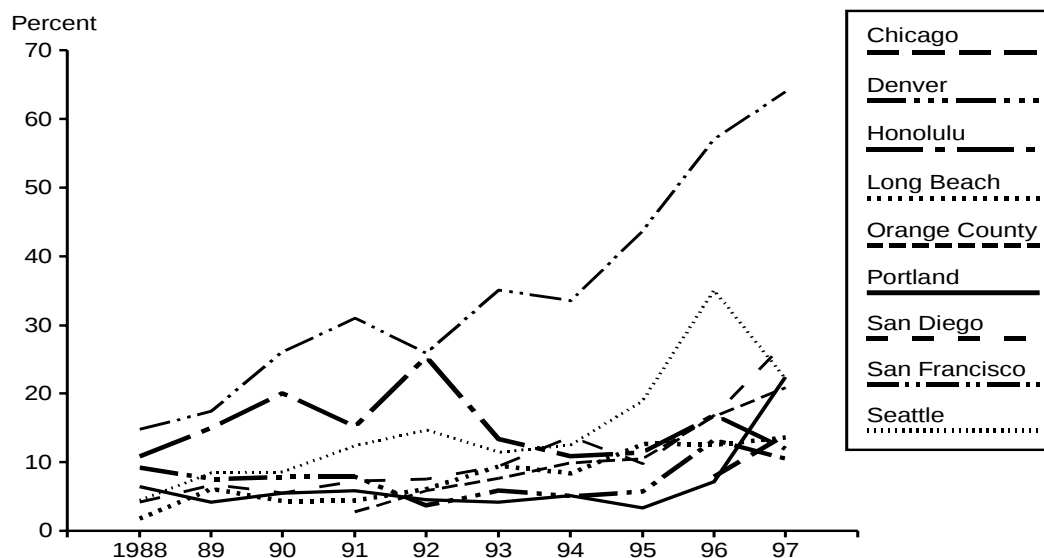
Note: Numbers of isolates with decreased susceptibility are given in the bars. There were nineteen (19) resistant isolates: one in 1991, one in 1993, two in 1994, eight in 1995, two in 1996 and five in 1997. Susceptibility to ciprofloxacin was first measured in GISP in 1990.

**Figure 22. Gonococcal Isolate Surveillance Project (GISP) — Proportion of men with gonorrhea who had a previous gonorrhea infection within the past year, 1992–1997**



Note: GISP cases with no information on previous episodes of gonorrhea were excluded. Data on previous episodes of gonorrhea were first collected in 1992.

**Figure 23. Gonococcal Isolate Surveillance Project (GISP) — Percent of *Neisseria gonorrhoeae* isolates obtained from men who have sex with men for STD clinics in nine cities, 1988–1997**



Note: These nine clinics reported 89.5% (394/440) of GISP gonorrhea cases in men who have sex with men. Orange County first participated in GISP in 1991 and Chicago first participated in 1996.



## Syphilis

From 1990 to 1997, the U.S. primary and secondary (P&S) syphilis rate declined 84 percent to its lowest level since reporting began in 1941. While the U.S. syphilis rate is low and the disease is geographically concentrated, a concerted effort could lead to its elimination in the United States. Collaboration with diverse organizations, public health professionals, the private medical community, and other partners working in STD and HIV will be essential in this effort.<sup>1</sup>

Despite the overall decline, syphilis remains an important problem in the South and in a small number of urban areas outside the South, particularly among African-Americans. Syphilis, a genital ulcerative disease, facilitates the transmission of HIV and may be particularly important in contributing to HIV transmission in those parts of the country, such as the South, where rates of both infections are high. Untreated early syphilis during pregnancy results in perinatal death in up to 40% of cases, and if acquired during the previous four years before pregnancy, may lead to infection of the fetus in over 70% of cases. For syphilis, as for other STDs, differential reporting of cases from public and private sectors may magnify the differences in reported rates by race and ethnicity.

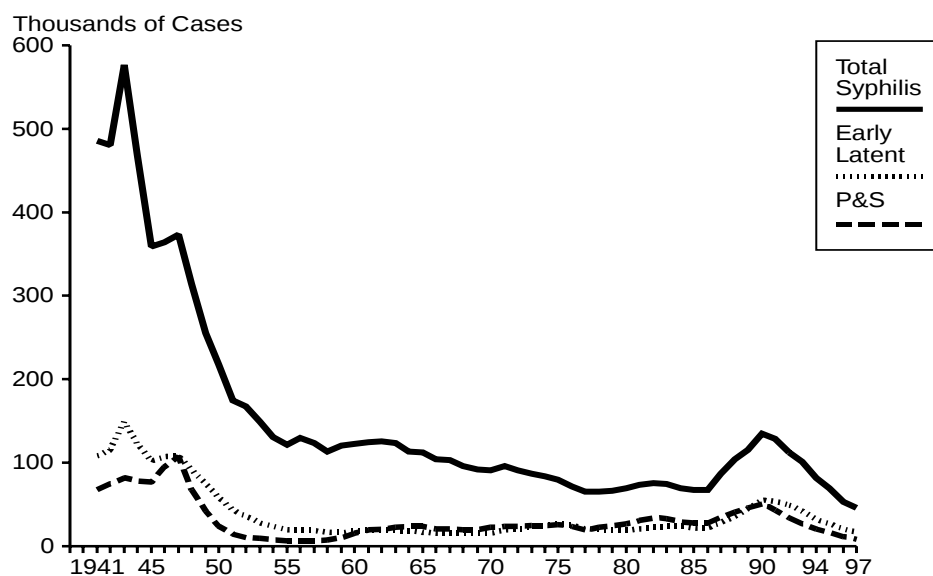
- In 1997, 8,550 cases of P&S syphilis were reported to CDC. This is the lowest number of cases reported since 1959. Between 1996 and 1997, the incidence of P&S syphilis in the U.S. declined from 4.3 to 3.2 cases per 100,000 persons (Figure 25, Table 1), which is now below the Healthy People 2000 (HP2000) national objective of 4.0 per 100,000 persons.
- Since 1990 the rate of early latent syphilis has exceeded the rate of P&S syphilis and has grown proportionately greater every year. There were approximately 0.8 reported cases of early latent syphilis for every reported case of P&S syphilis in the five years preceding 1990 and 2 reported cases of early latent syphilis for every reported case of P&S syphilis in 1997 (Table 1).
- Since the peak of late and late latent syphilis in 1993, the rate of late and late latent syphilis has exceeded the rate of P&S syphilis and has grown proportionately greater every year. There were approximately 0.6 reported cases of late and late latent syphilis for every reported case of P&S syphilis in the five years preceding 1993 and 2.4 reported cases of late and late latent syphilis for every reported case of P&S syphilis in 1997 (Table 1).
- In 1997, P&S syphilis rates in 41 states and 2 outlying areas were below the HP2000 national objective of 4 cases per 100,000 (Figure 26, Table 25). Fourteen states and 2 outlying areas reported 5 or fewer cases of P&S syphilis in 1997.
- In 1997, 2,324 (75%) of 3,115 counties in the U.S. reported no cases of P&S syphilis compared with 2,257 (72%) of counties in 1996. Of 791 counties reporting at least one case of P&S syphilis in 1997, 378 (48%) counties reported rates of 4 cases or fewer per 100,000 persons. Therefore, rates of P&S syphilis were above the HP2000 objective for 413 counties in 1997 (Figure 27). These counties (13% of the total number of counties in the U.S.) accounted for approximately 80% of the reported P&S syphilis cases.

- In 1997, the largest numbers of reported cases of P&S syphilis were found in 28 counties, and the three independent cities of Baltimore, St. Louis, and the District of Columbia (Table 33). These 31 areas account for half of the total number of reported P&S syphilis cases.
- In 1997, the rates of P&S syphilis continued to decline for all regions of the U.S. However, the rate of 6.6 cases per 100,000 persons in the South remained above the HP2000 objective (Figure 28, Table 26). The P&S syphilis rates of the other 3 regions were below the HP2000 objective.
- The overall rate of P&S syphilis in selected large cities over 200,000 population declined from 7.6 cases per 100,000 persons in 1996 to 6.1 in 1997 (Figure 29, Table 30). However, rates exceeded the HP2000 objective in 31 (48%) of 64 large cities in the United States and outlying areas for which data were available (Table 29).
- During the period 1994 to 1997, the rates of P&S syphilis within racial and ethnic groups have generally declined (Figure 31, Table 24B). However, the 1997 rate for non-Hispanic blacks of 22.0 cases per 100,000 persons was 44 times greater than the rate for non-Hispanic whites (Figure 31, Table 24B).
- Between 1996 and 1997, the overall rate of congenital syphilis decreased from 32.9 to 26.9 cases per 100,000 live births (Figure 34, Table 38). However, compared with 1996, increases were observed in 1997 for 6 (Alabama, Arizona, Louisiana, Maryland, Michigan, and Wisconsin) of 23 states reporting more than 5 cases (Table 40).
- In 1997, 7 states (Alabama, Arkansas, Maryland, Mississippi, New Jersey, Tennessee, and Texas) had congenital syphilis rates that exceeded the HP2000 objective of 40 cases per 100,000 live births (Table 39).
- The HP2000 congenital syphilis objective of 40 cases per 100,000 live births was exceeded in 23 (36%) of the 64 selected cities with a population over 200,000 (Table 41). For 6 of these cities (Newark, Baltimore, Houston, Memphis, Birmingham, and Miami), the rate per 100,000 births was 5 to 15 times greater than the HP2000 objective.
- Additional information on syphilis and congenital syphilis can be found in the **Special Focus Profiles** section.

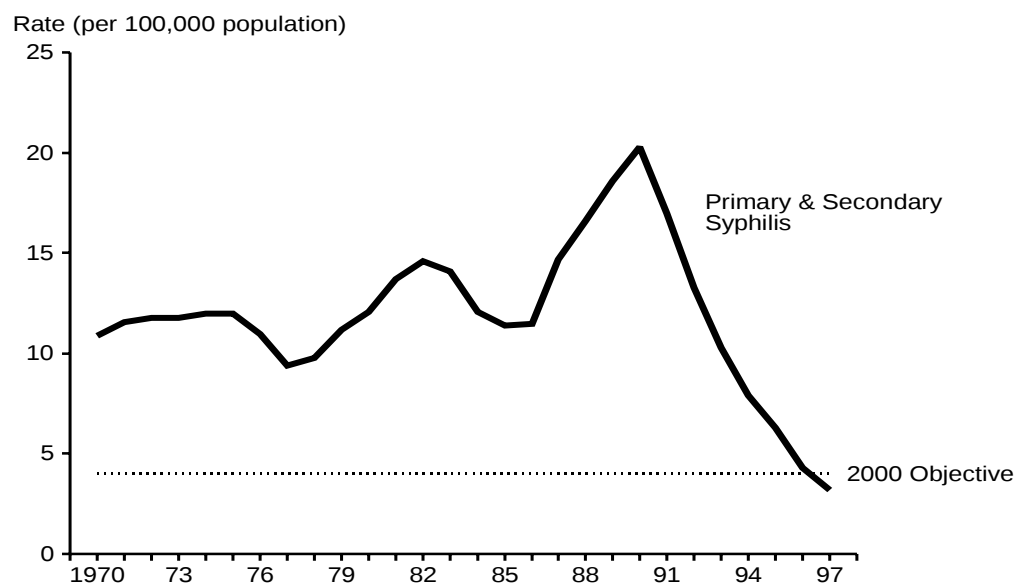
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<sup>1</sup>CDC. Primary and secondary syphilis--United States, 1997. *MMWR* 1998;24:493-497.

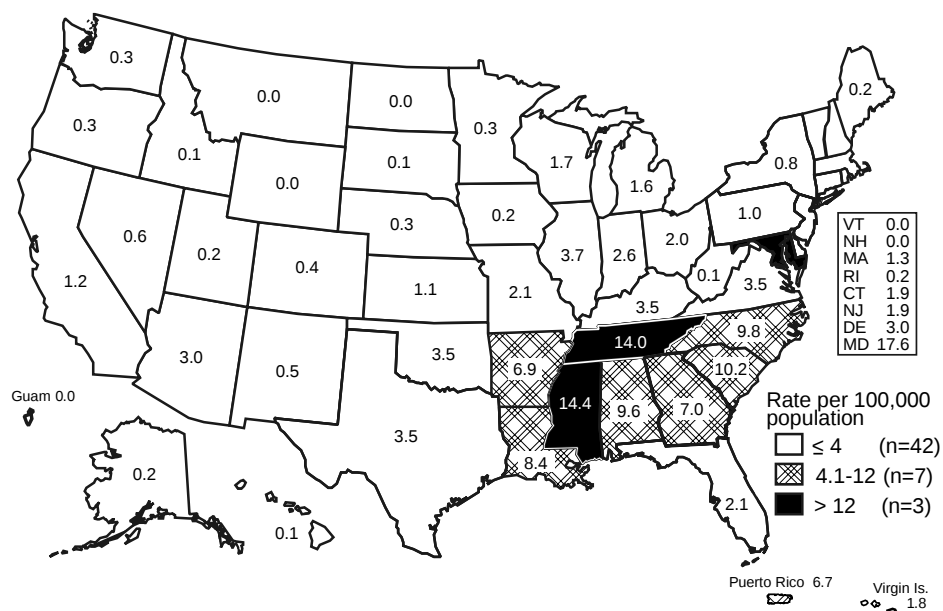
**Figure 24. Syphilis — Reported cases by stage of illness: United States, 1941–1997**



**Figure 25. Primary and secondary syphilis — Reported rates: United States, 1970–1997 and the Healthy People year 2000 objective**

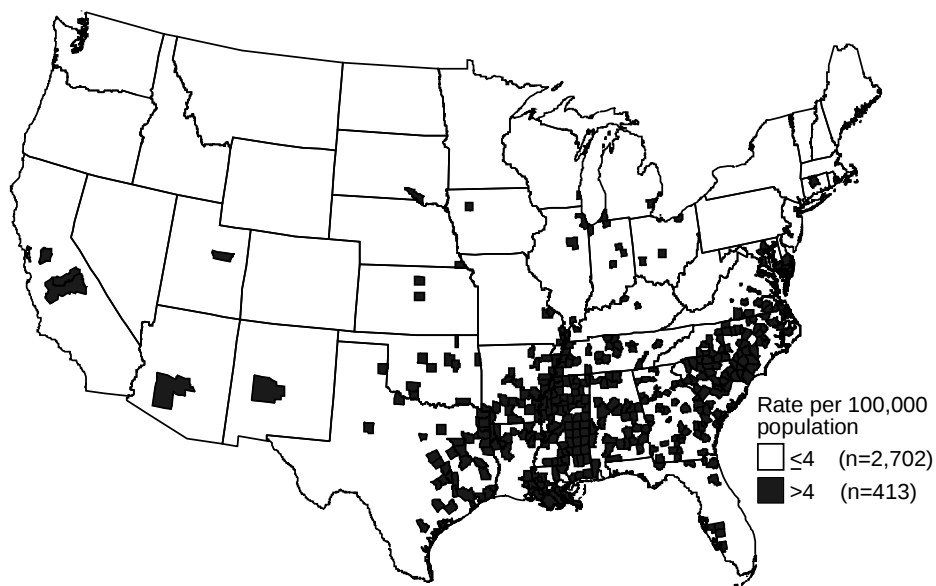


**Figure 26. Primary and secondary syphilis — Rates by state: United States and outlying areas, 1997**

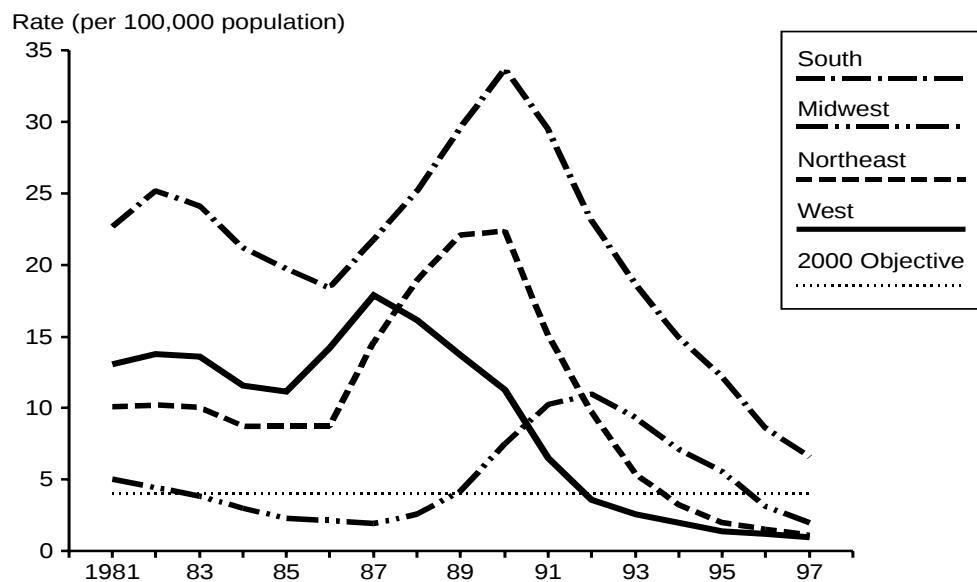


Note: The total rate of primary and secondary syphilis for the United States and outlying areas (including Guam, Puerto Rico and Virgin Islands) was 3.3 per 100,000 population. The Healthy People year 2000 objective is 4.0 per 100,000 population.

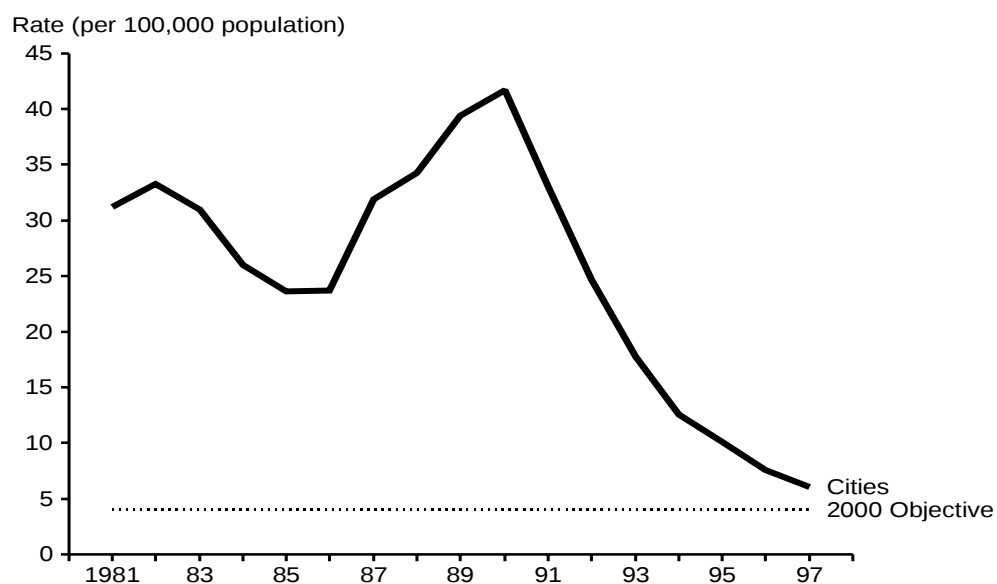
**Figure 27. Primary and secondary syphilis — Counties with rates above and counties with rates below the Healthy People year 2000 objective: United States, 1997**



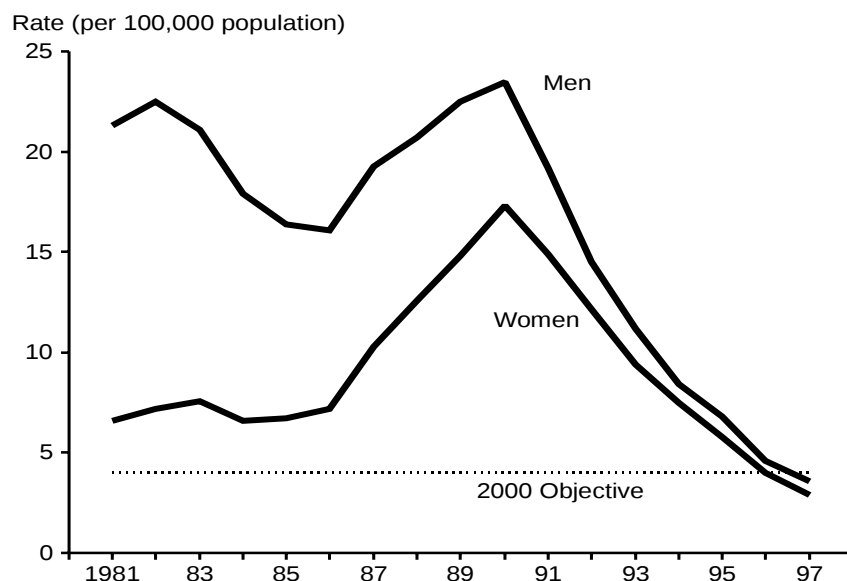
**Figure 28. Primary and secondary syphilis — Rates by region: United States, 1981–1997 and the Healthy People year 2000 objective**



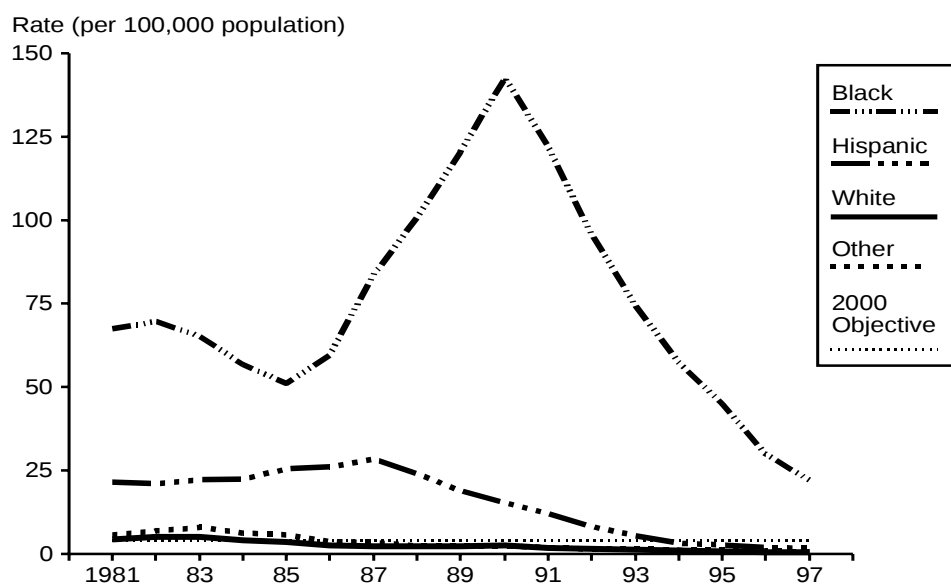
**Figure 29. Primary and secondary syphilis — Rates in selected U.S. cities of >200,000 population, 1981–1997 and the Healthy People year 2000 objective**



**Figure 30. Primary and secondary syphilis — Rates by gender: United States, 1981–1997 and the Healthy People year 2000 objective**

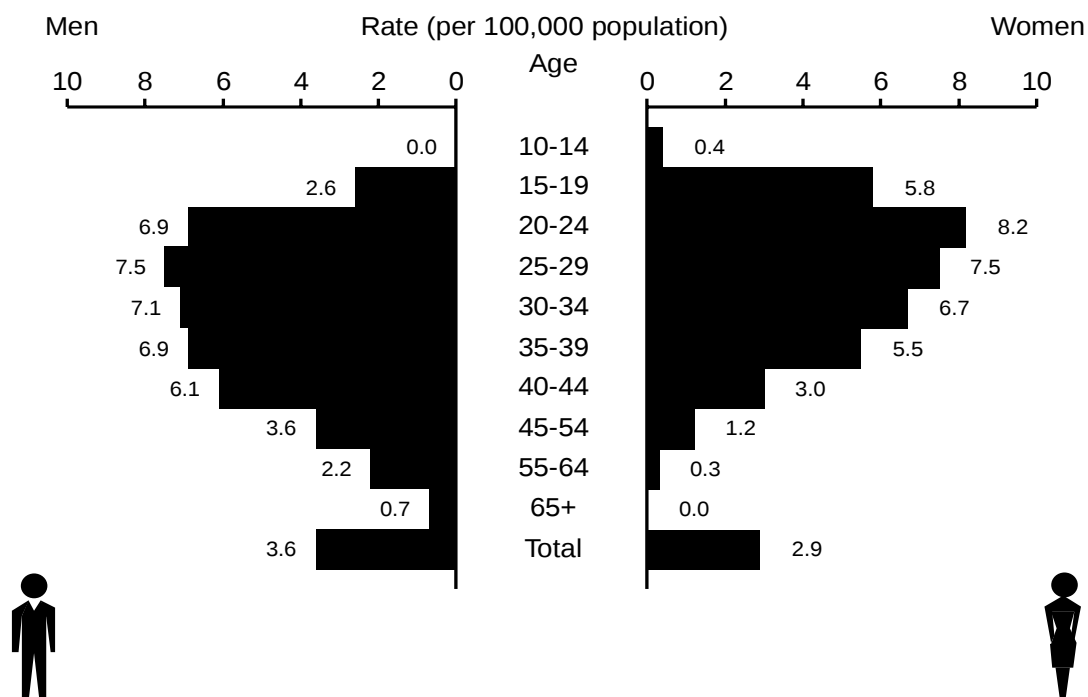


**Figure 31. Primary and secondary syphilis — Rates by race and ethnicity: United States, 1981–1997 and the Healthy People year 2000 objective**

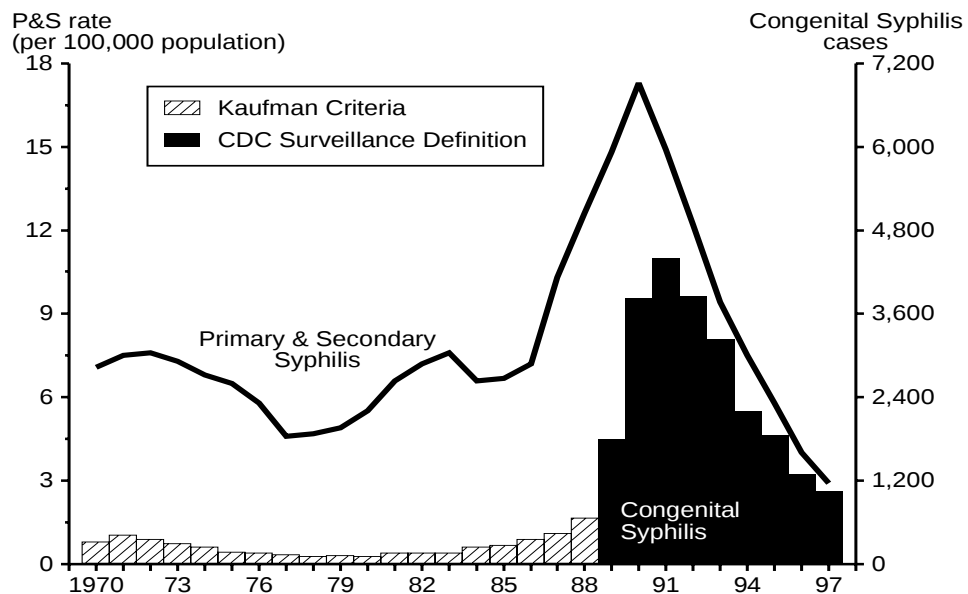


Note: "Other" includes Asian/Pacific Islander and American Indian/Alaska Native populations.

**Figure 32. Primary and secondary syphilis — Age- and gender-specific rates: United States, 1997**

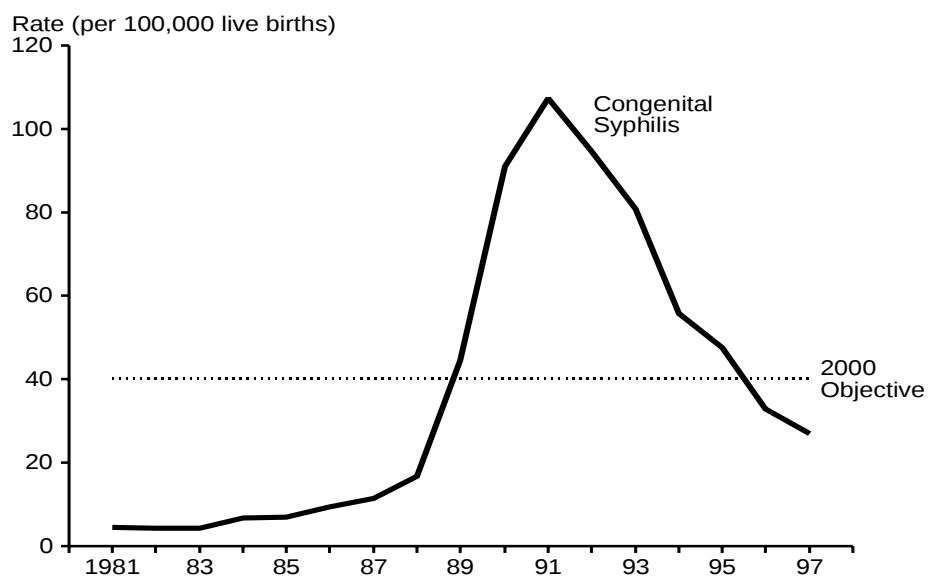


**Figure 33. Congenital syphilis — Reported cases for infants <1 year of age and rates of primary and secondary syphilis among women: United States, 1970–1997**



Note: The surveillance case definition for congenital syphilis changed in 1988 (see Appendix).

**Figure 34. Congenital syphilis — Rates for infants <1 year of age: United States, 1981–1997 and the Healthy People year 2000 objective**



Note: The surveillance case definition for congenital syphilis changed in 1988 (see Appendix).

## Other Sexually Transmitted Diseases

Since 1987, reported cases of chancroid have declined steadily (Table 1, Figure 35). In 1997, a total of 243 cases of chancroid were reported from 19 states (Table 43). Four states (California, New York, South Carolina, and Texas) accounted for 85% of the 243 reported cases. Chancroid is difficult to culture and may be substantially underdiagnosed.<sup>1</sup>

Comprehensive surveillance data for non-gonococcal urethritis, genital herpes simplex virus (HSV), human papillomavirus, and trichomoniasis are not available. Ongoing trend data are limited to estimates of trends in physicians' office practices provided by the National Disease and Therapeutic Index (Figures 36 and 38-40).

Data on genital herpes simplex virus type 2 (HSV-2) seroprevalence among the non-institutionalized U.S. population are available from the National Health and Nutrition Examination Survey (NHANES). In NHANES III (1988-1994), HSV-2 seroprevalence among persons at least 12 years of age was 21.9%. The HSV-2 seroprevalence in NHANES III was 30% higher than the age-adjusted HSV-2 seroprevalence from NHANES II (1976-1980). Increases in HSV-2 seroprevalence between NHANES II and NHANES III were concentrated in the younger age groups. There were statistically significant increases overall in the three youngest age groups, encompassing subjects from 12 to 39 years of age (Figure 37).<sup>2</sup>

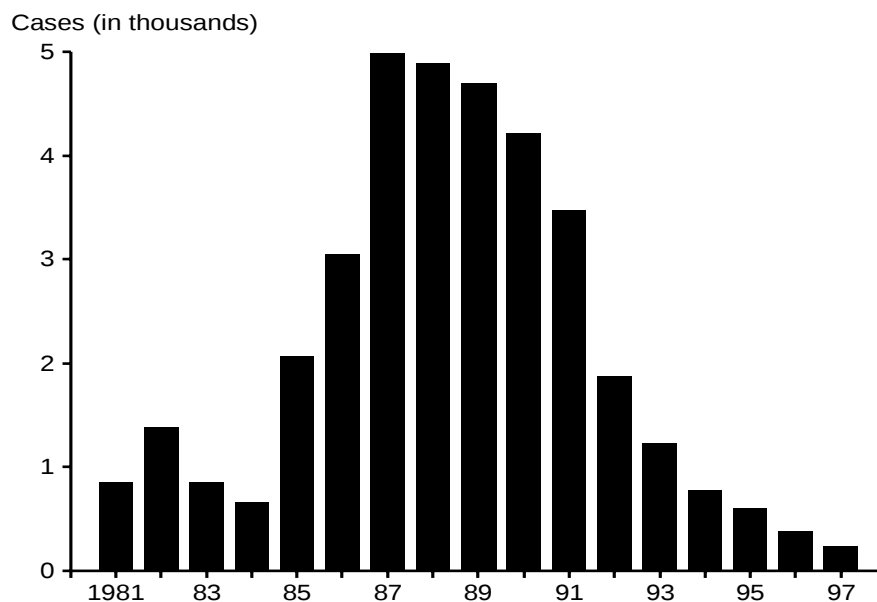
For data on PID, see the **Special Focus Profile** on Women and Infants.

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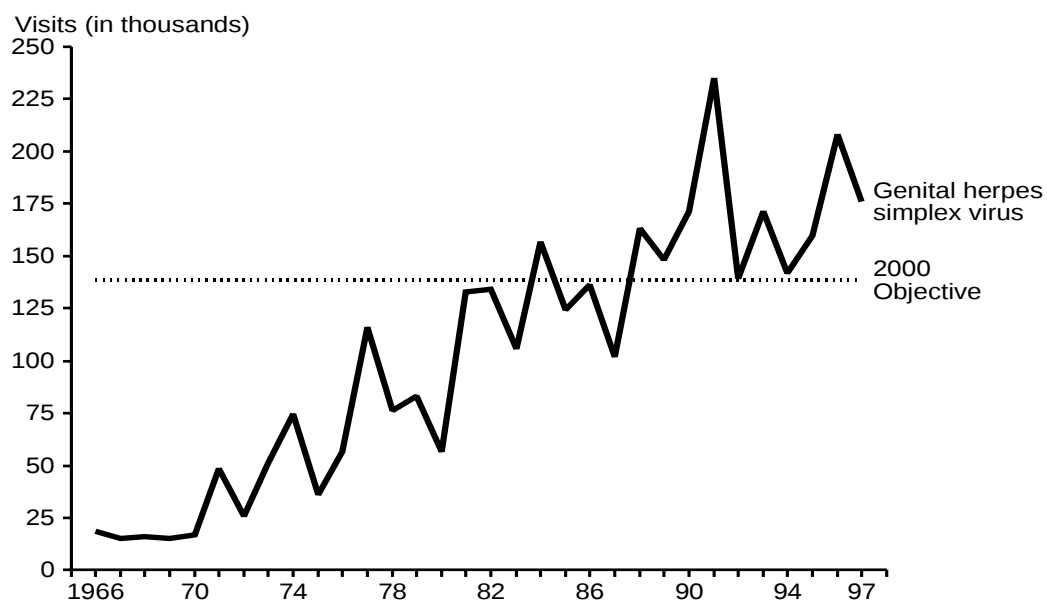
<sup>1</sup>Schulte JM, Martich FA, Schmid GP. Chancroid in the United States, 1981-1990: evidence for underreporting of cases. *MMWR* 1992;41(no. SS-3):57-61.

<sup>2</sup>Fleming DT, McQuillan GM, Johnson RE, Nahmias AJ, Aral SO, Lee FK, St. Louis ME. Herpes Simplex Virus Type 2 in the United States, 1976 to 1994, *N Engl J Med* 1997; 337:1105-11.

**Figure 35. Chancroid — Reported cases: United States, 1981–1997**



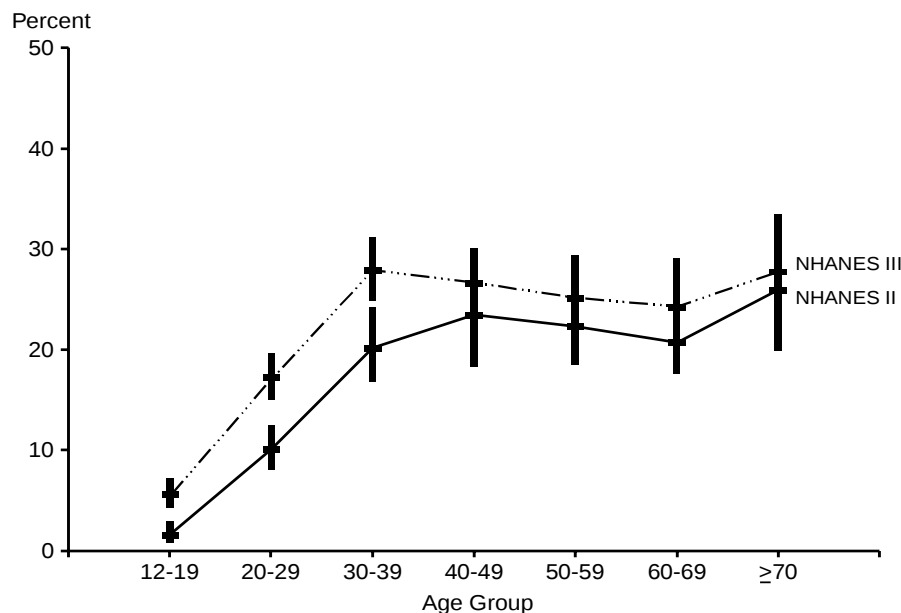
**Figure 36. Genital herpes simplex virus infections — Initial visits to physicians' offices: United States, 1966–1997 and the Healthy People year 2000 objective**



Note: See Appendix.

SOURCE: National Disease and Therapeutic Index (IMS America, Ltd.)

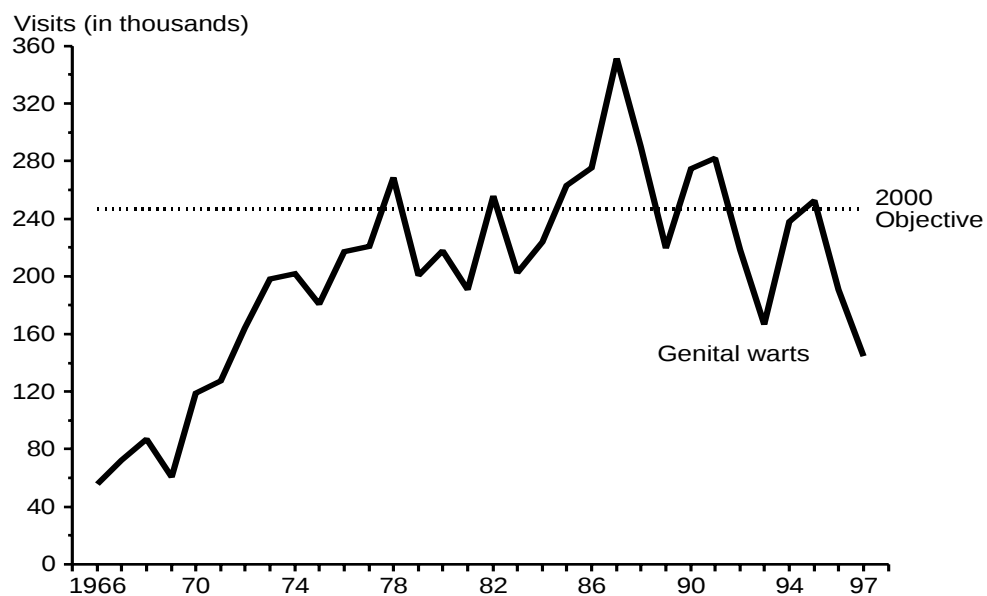
**Figure 37. Genital herpes simplex virus type 2 — Percent seroprevalence according to age in NHANES\* II (1976-1980) and NHANES III (1988-1994)**



Note: Bars indicate 95% confidence intervals.

\*National Health and Nutrition Examination Survey

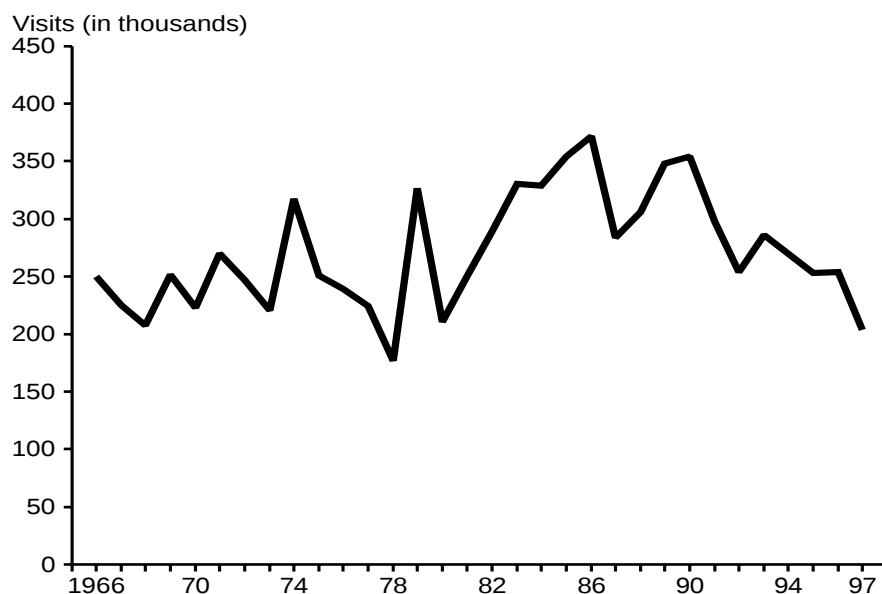
**Figure 38. Human papillomavirus (genital warts) — Initial visits to physicians' offices: United States, 1966–1997 and the Healthy People year 2000 objective**



Note: See Appendix.

SOURCE: National Disease and Therapeutic Index (IMS America, Ltd.)

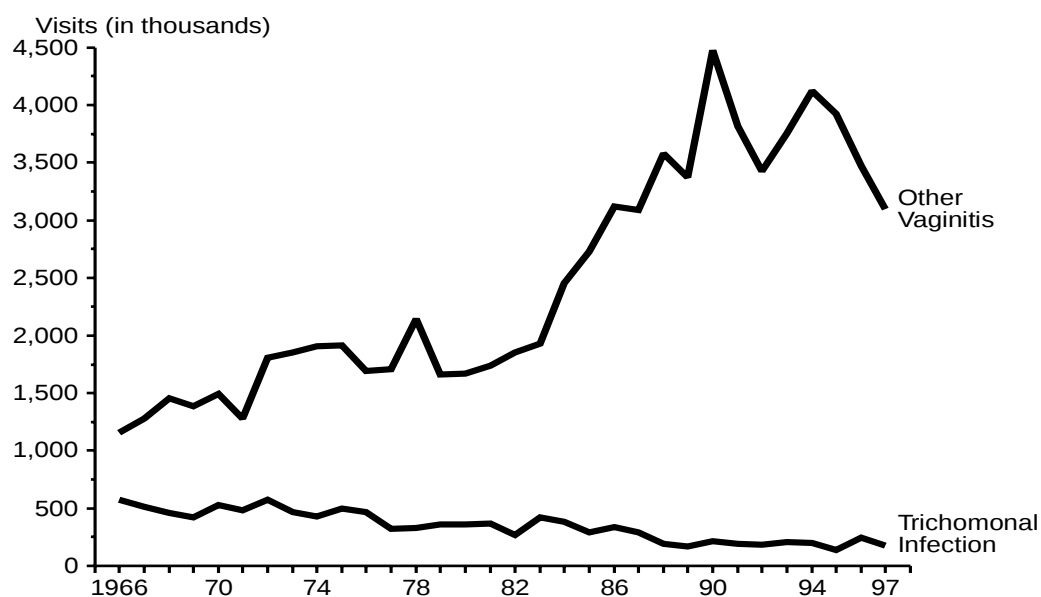
**Figure 39. Nonspecific urethritis — Initial visits to physicians' offices by men:  
United States, 1966–1997**



Note: See Appendix.

SOURCE: National Disease and Therapeutic Index (IMS America, Ltd.)

**Figure 40. Trichomonal and other vaginal infections — Initial visits to physicians' offices:  
United States, 1966–1997**



Note: See Appendix.

SOURCE: National Disease and Therapeutic Index (IMS America, Ltd.)

## Special Focus Profiles

The **Special Focus Profiles** section highlights trends and distribution of sexually transmitted diseases (STDs) in populations of particular interest for STD and HIV prevention programs in state and local health departments. These populations are most vulnerable to STDs and their consequences: women and infants; adolescents and young adults; minorities; persons entering corrections facilities; and populations in the southern United States. The **Special Focus Profiles** refer to figures located in disease-specific sections in the **National Profile**. In addition, there are figures (Figures A-AA) that highlight specific points made in the following text.



# STDs in Women and Infants

## Public Health Impact

Women and infants disproportionately bear the long term consequences of STDs. Women infected with *Neisseria gonorrhoeae* or *Chlamydia trachomatis* can develop pelvic inflammatory disease (PID), which, in turn, may lead to adverse reproductive consequences, e.g., ectopic pregnancy and tubal factor infertility. If not adequately treated, 20% to 40% of women infected with chlamydia<sup>1</sup> and 10% to 40% of women infected with gonorrhea<sup>2</sup> develop PID. Among women with PID, scarring sequelae will cause involuntary infertility in 20%, ectopic pregnancy in 9%, and chronic pelvic pain in 18%<sup>3</sup>. Approximately 70% of chlamydial infections and 50% of gonococcal infections in women are asymptomatic<sup>4-6</sup>. These infections are detected primarily through screening programs. The vague symptoms associated with chlamydial and gonococcal PID cause 85% of women to delay seeking medical care, thereby increasing the risk of infertility and ectopic pregnancy<sup>7</sup>. Data from a randomized controlled trial of chlamydia screening in a managed care setting suggest that such screening programs can reduce the incidence of PID by as much as 60%.<sup>8</sup>

Gonorrhea and chlamydia also result in adverse outcomes of pregnancy, including neonatal ophthalmia and, in the case of chlamydia, neonatal pneumonia. Although topical prophylaxis at delivery is effective for prevention of ophthalmia neonatorum, prevention of neonatal pneumonia requires antenatal detection and treatment.

Infections with human papillomavirus (HPV) in women are a major concern because specific HPV subtypes (e.g., types 16, 18, 31, 33, and 35) have been associated epidemiologically with cervical dysplasia and cervical cancer. HPV types 6 and 11 in child bearing women can cause laryngeal papillomatosis in infants.

When a woman has a syphilis infection during pregnancy, she may transmit the infection to the fetus in utero. This may result in fetal death or an infant born with physical and mental developmental disabilities. Most cases of congenital syphilis are preventable if women are screened for syphilis and treated early during prenatal care<sup>9</sup>.

## Observations

- Between 1996 and 1997, the reported rate of chlamydial infections in women increased from 317.8 per 100,000 population to 335.8 (Figure 6, Table 6). This increase most likely reflects an increase in screening rather than an increase in number of cases in women; even as reported cases have increased, prevalence among women screened in the U.S. has declined (see section on Chlamydia). Despite considerable under-reporting, it is important to note that chlamydia rates exceed gonorrhea rates in women in many states (Figures A and B, Tables 6 and 15).

- For gonorrhea, the Healthy People year 2000 objective is 100 cases per 100,000 persons. Gonorrhea rates for women alone exceeded this HP2000 objective in 20 states (Figure B, Table 15). The highest rates of gonorrhea for women were concentrated in the South.
- Like chlamydia, gonorrhea is often asymptomatic in women and can only be identified through screening. Large-scale screening programs for gonorrhea in women began in the late 1970s. After an initial increase in cases detected through screening, gonorrhea rates for both women and men declined steadily throughout the 1980s and early 1990s (Figure 15, Tables 15 and 16). Gonorrhea rates increased slightly for women from 118.8 cases per 100,000 population in 1996 to 119.3 in 1997; rates in men declined from 127.3 to 125.4 from 1996 to 1997. Men with gonorrhea are usually symptomatic and may seek care; therefore, trends in men may be a relatively good indicator of trends in incidence of disease. However, trends in women are determined more by screening practices, similar to chlamydia.
- The Healthy People year 2000 objective for primary and secondary syphilis is 4.0 per 100,000 persons. Primary and secondary syphilis rates for women exceeded the HP2000 objective in 9 states and 1 outlying area (Figure C, Table 27). Three southern states (Maryland, Mississippi, and Tennessee) had rates for women that were at least 3 times greater than the HP2000 objective for primary and secondary syphilis (Table 27). For congenital syphilis, the Healthy People year 2000 objective is 40 per 100,000 live births. Six (Alabama, Arkansas, Maryland, Mississippi, Tennessee, and Texas) of 7 states that exceeded the HP2000 objective were in the South (Figure D, Table 39).
- The rate of congenital syphilis closely follows the trend of P&S syphilis in women (Figure 33). Peaks in congenital syphilis usually occur one year after peaks in P&S syphilis in women. The congenital syphilis rate peaked in 1991 at 107.3 cases per 100,000 live births and has declined 75% to 26.9 in 1997 (Figure 34, Table 38). The rate of P&S syphilis in women peaked at 17.3 per 100,000 persons in 1990 and declined 83% to 2.9 in 1997 (Figures 30 and 33, Table 27).
- Although the 1997 rate of congenital syphilis was below the Healthy People 2000 objective of 40 cases per 100,000 live births, this objective is many times greater than the rate of congenital syphilis of most industrialized countries where syphilis and congenital syphilis have nearly been eliminated<sup>10</sup>.
- Accurate estimates of pelvic inflammatory disease (PID) and tubal factor infertility from gonococcal and chlamydial infections are difficult to obtain. Definitive diagnosis of these conditions can be complex, requiring for example, laparoscopy or laparotomy, while tubal patency studies may be needed to accurately document these conditions. Most cases of PID are treated on the basis of interpretations of clinical findings, which vary between individual practitioners. In addition, the settings in which care is provided can vary considerably over time. For example, women with PID who would have been hospitalized in the 1980s may be treated in out-patient facilities during the 1990s. Trends in hospitalized PID have declined steadily throughout the 1980s and early 1990s (Figure F). However, these trends may be more reflective of changes in the etiologic spectrum (with increasing proportions of more indolent chlamydial infection) and clinical management of PID (from in-patient to out-patient) rather than true trends in disease<sup>11</sup>.
- Recent evidence suggests that health care practices associated with ectopic pregnancy also changed in the late 1980s and early 1990s. Before that time, treatment of ectopic pregnancy usually required admission to a hospital. Hospitalization statistics were

therefore useful for monitoring trends in ectopic pregnancy (Figure E). Beginning in 1990, hospitalizations for ectopic pregnancy began to decline. Data from outpatient care surveys suggest that nearly half of all ectopic pregnancies are treated on an outpatient basis<sup>12</sup>. The total number of ectopic pregnancies in the U.S. in 1992 was estimated to be 108,800 (or 19.7 cases per 1,000 pregnancies), the highest level in more than two decades<sup>12</sup>.

- Initial visits to physicians' offices for PID declined from 1993 to 1995, increased in 1996, and again decreased in 1997 (Figure G). Among women 15 to 44 years of age, the estimated number of PID cases diagnosed in emergency departments was 336,000 in 1995 and 208,000 in 1996 (National Hospital Ambulatory Medical Care Survey, NCHS). These estimates have relative standard errors of 15% and 18% respectively.

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<sup>1</sup>Stamm WE, Guinan ME, Johnson C. Effect of treatment regimens for *Neisseria gonorrhoeae* on simultaneous infections with *Chlamydia trachomatis*. *N Engl J Med* 1984;310:545-9.

<sup>2</sup>Platt R, Rice PA, McCormack WM. Risk of acquiring gonorrhea and prevalence of abnormal adnexal findings among women recently exposed to gonorrhea. *JAMA* 1983;250:3205-9.

<sup>3</sup>Westrom L, Joesoef R, Reynolds G, et al. Pelvic inflammatory disease and fertility: a cohort study of 1,844 women with laparoscopically verified disease and 657 control women with normal laparoscopy. *Sex Transm Dis* 1992;19:185-92.

<sup>4</sup>Hook EW III, Handsfield HH. Gonococcal infections in the adult. In: Holmes KK, Mardh PA, Sparling PF, et al, eds. *Sexually Transmitted Diseases*, 2nd edition. New York City: McGraw-Hill, Inc, 1990:149-65.

<sup>5</sup>Stamm WE, Holmes KK. *Chlamydia trachomatis* infections in the adult. In: Holmes KK, Mardh PA, Sparling PF, et al, eds. *Sexually Transmitted Diseases*, 2nd edition. New York City: McGraw-Hill, Inc, 1990:181-93.

<sup>6</sup>Zimmerman HL, Potterat JJ, Dukes RL, et al. Epidemiologic differences between chlamydia and gonorrhea. *Am J Public Health* 1990;80:1338-42.

<sup>7</sup>Hillis SD, Joesoef R, Marchbanks PA, et al. Delayed care of pelvic inflammatory disease as a risk factor for impaired fertility. *Am J Obstet Gynecol* 1993;168:1503-9.

<sup>8</sup>Scholes D, Stergachis A, Heidrich FE, Andrilla H, Holmes KK, Stamm WE. Prevention of pelvic inflammatory disease by screening for cervical chlamydial infection. *N Engl J Med* 1996;34(21):1362-66.

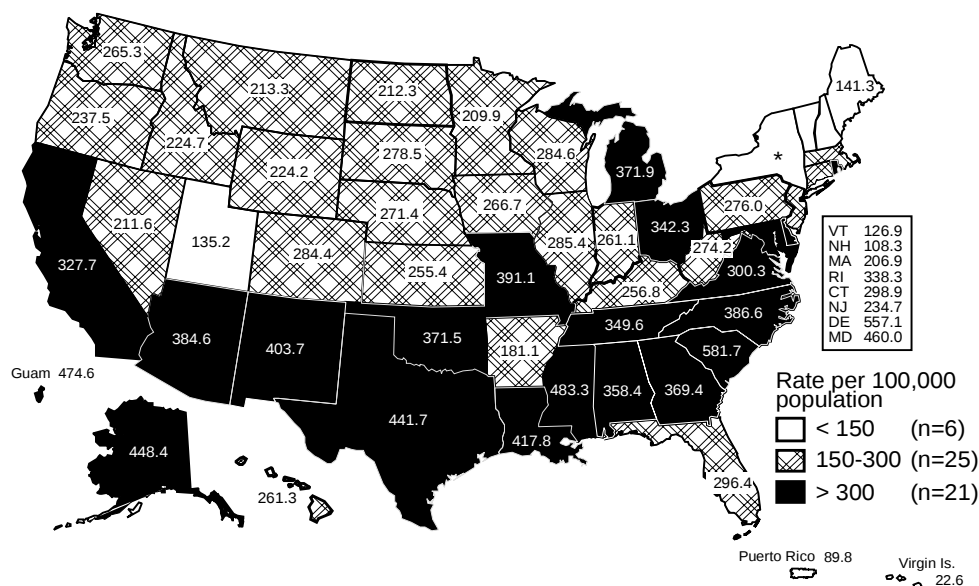
<sup>9</sup>CDC. Guidelines for prevention and control of congenital syphilis. *MMWR* 1988;37(No.S-1).

<sup>10</sup>Division of STD/HIV Prevention. Healthy People 2000: National Health Promotion and Disease Objectives. Progress Review: Sexually Transmitted Diseases, October 26, 1994.

<sup>11</sup>Rolfs RT, Galaid EI, Zaidi AA. Pelvic inflammatory disease: trends in hospitalization and office visits, 1979 through 1988. *Am J Obstet Gynecol* 1992;166:983-90.

<sup>12</sup>CDC. Ectopic pregnancy--United States, 1990-1992. *MMWR* 1995;44:46-8.

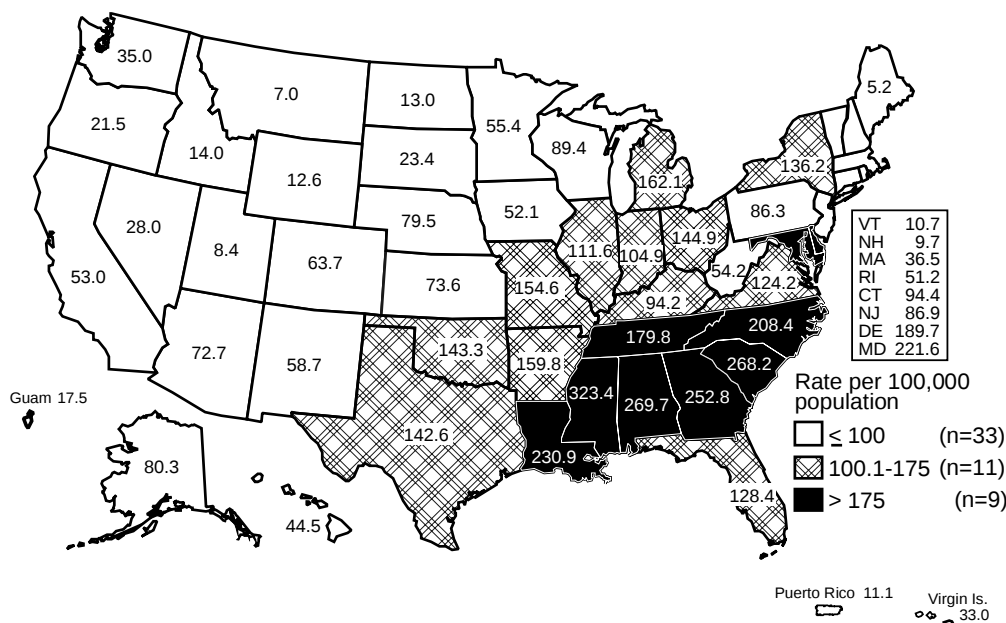
**Figure A. Chlamydia — Rates for women by state: United States and outlying areas, 1997**



\*The New York City rate was 659.1 per 100,000 population. No cases were reported outside of New York City.

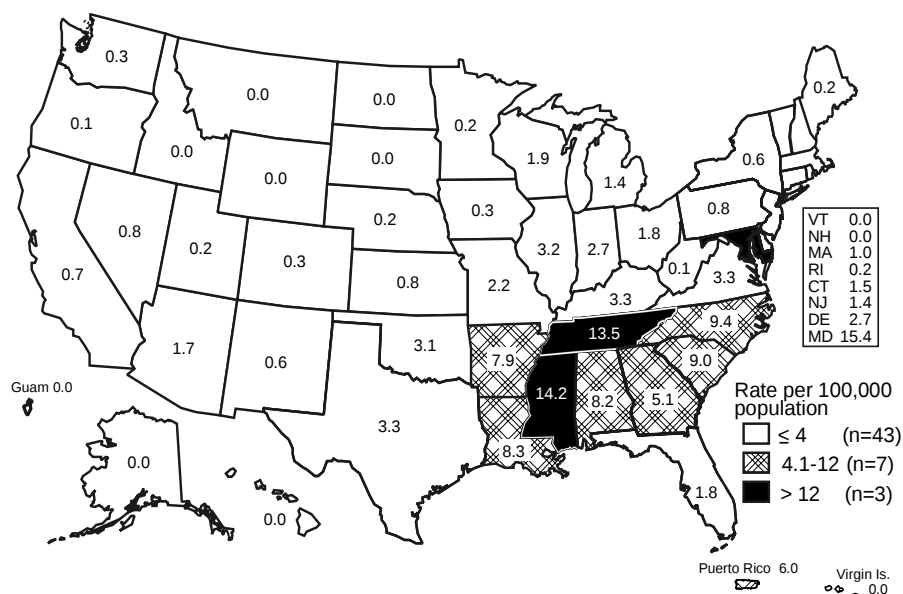
Note: The total rate of chlamydia for women in the United States and outlying areas (including Guam, Puerto Rico and Virgin Islands) was 332.1 per 100,000 population. For further information on chlamydia reporting see the Appendix.

**Figure B. Gonorrhea — Rates for women by state: United States and outlying areas, 1997**



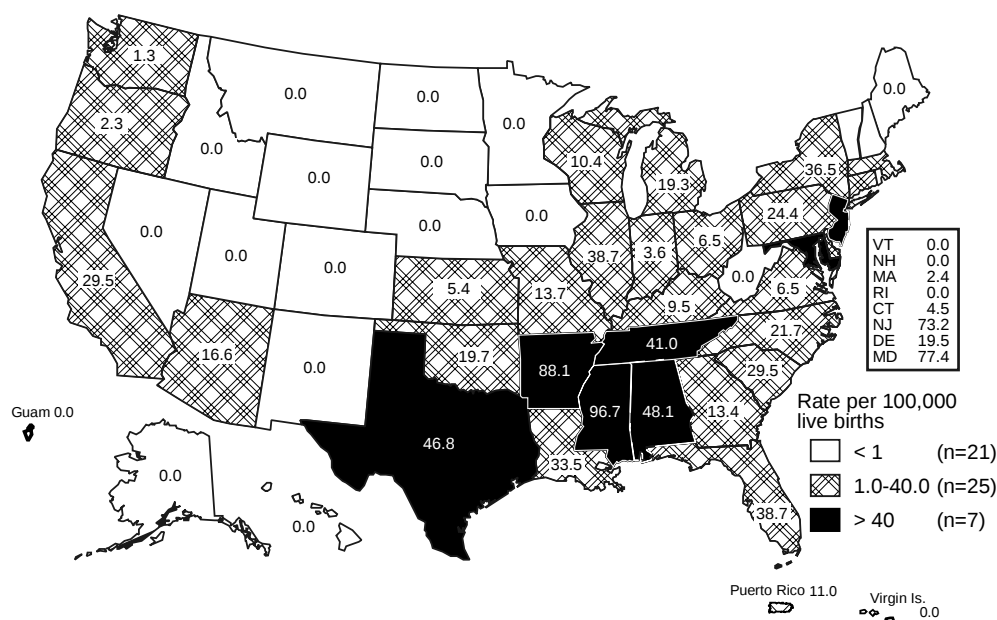
Note: The total rate of gonorrhea for women in the United States and outlying areas (including Guam, Puerto Rico and Virgin Islands) was 117.7 per 100,000 population. The Healthy People year 2000 objective is 175 per 100,000 population for women aged 15-44.

**Figure C. Primary and secondary syphilis — Rates for women by state: United States and outlying areas, 1997**



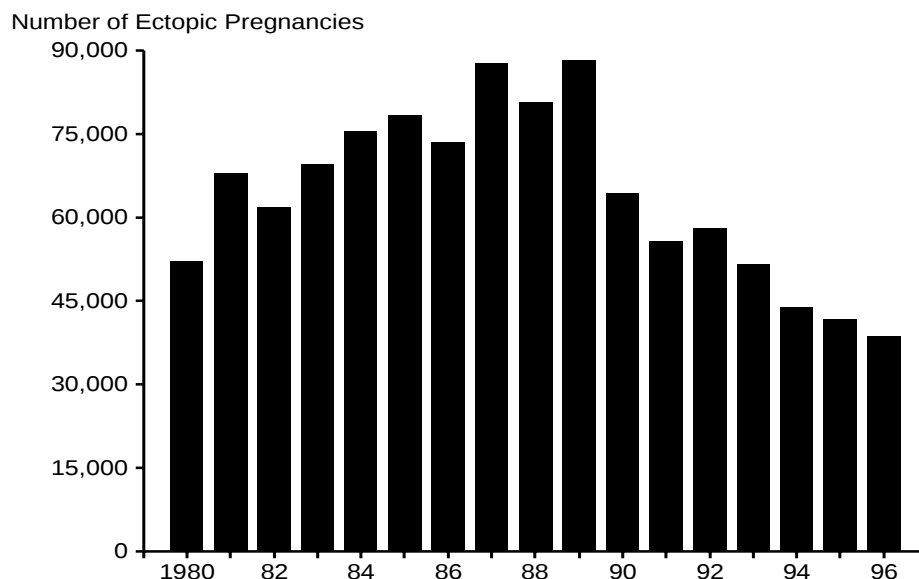
Note: The total rate of primary and secondary syphilis for women in the United States and outlying areas (including Guam, Puerto Rico and Virgin Islands) was 2.9 per 100,000 population. The Healthy People year 2000 objective is 4.0 per 100,000 population.

**Figure D. Congenital syphilis — Rates for infants <1 year of age by state: United States and outlying areas, 1997**



Note: The total rate of congenital syphilis for infants <1 year of age for the United States and outlying areas (including Guam, Puerto Rico and Virgin Islands) was 26.6 per 100,000 live births. The Healthy People year 2000 objective is 40.0 per 100,000 live births.

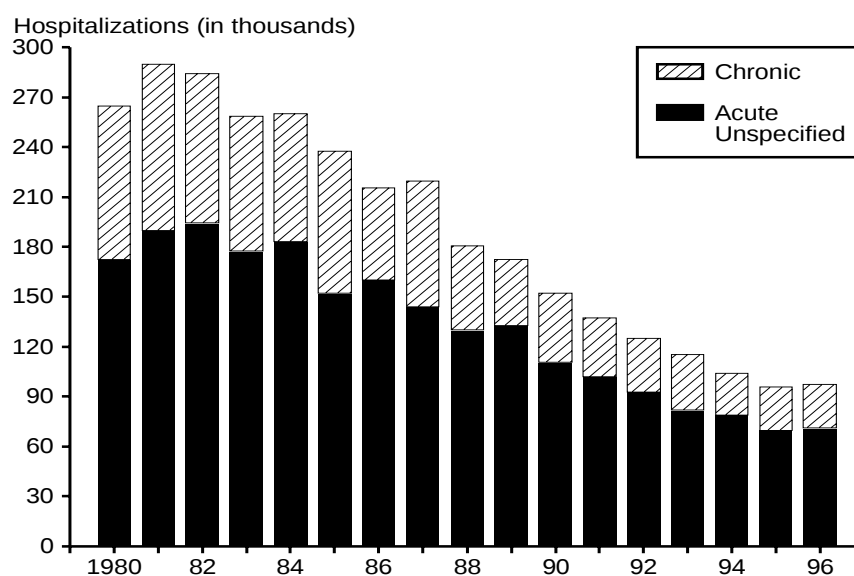
**Figure E. Ectopic pregnancy — Hospitalizations of women 15-44 years of age: United States, 1980–1996**



Note: Some variations in 1981 and 1988 numbers may be due to changes in sampling procedures. The relative standard error for these estimates ranges from 8% to 12%.

SOURCE: National Hospital Discharge Survey (National Center for Health Statistics, CDC)

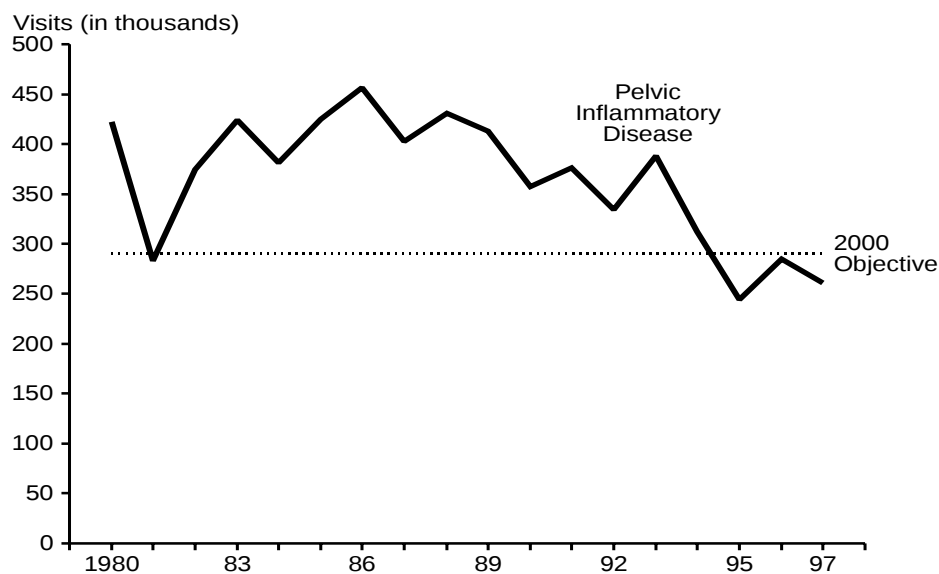
**Figure F. Pelvic inflammatory disease — Hospitalizations of women 15-44 years of age: United States, 1980–1996**



Note: The relative standard error for the estimates of the overall total number of PID cases range from 6% to 9%.

SOURCE: National Hospital Discharge Survey (National Center for Health Statistics, CDC).

**Figure G. Pelvic inflammatory disease — Initial visits to physicians' offices by women 15-44 years of age: United States, 1980–1997 and the Healthy People year 2000 objective**



SOURCE: National Disease and Therapeutic Index (IMS America, Ltd.)

# STDs in Adolescents and Young Adults

## Public Health Impact

Compared to older adults, adolescents (10- to 19-year-olds) and young adults (20- to 24-year-olds) are at higher risk for acquiring STDs for a number of reasons: they may be more likely to have multiple (sequential or concurrent) sexual partners rather than a single, long-term relationship; they may be more likely to engage in unprotected intercourse; and they may select partners at higher risk. In addition, for some STDs, e.g., *Chlamydia trachomatis*, adolescent women may have a physiologically increased susceptibility to infection due to increased cervical ectopy and lack of immunity. During the past two decades, the age of initiation of sexual activity has steadily decreased and age at first marriage has increased, resulting in increases in premarital sexual experience among adolescent women and in an enlarging pool of young women at risk<sup>1,2,3</sup>. In addition, the higher prevalence of STDs among adolescents reflects multiple barriers to quality STD prevention services, including lack of insurance or other ability to pay, lack of transportation, discomfort with facilities and services designed for adults, and concerns about confidentiality.

## Observations

- Numerous prevalence studies in various clinic populations have shown that sexually active adolescents have high rates of chlamydial infection<sup>4</sup>. The Chlamydia Regional Projects that perform large-scale screening among women attending family planning clinics demonstrate that younger women consistently have higher positivity rates of chlamydia than older women, even as prevalence declines. An example is the Region X Project, which has screened women since 1988<sup>5</sup> (Figure H).
- Among women, 15- to 19-year-olds had the highest rate of gonorrhea in 1997 (Figure J, Table 12B), and 20- to 24-year-olds had the highest rate of primary and secondary syphilis (Figure L, Table 24B). Among men, 20- to 24-year-olds had the highest rate of gonorrhea and third highest rate of primary and secondary syphilis (Figures K and M, Tables 12B and 24B).
- Rates of gonorrhea among male adolescents steadily decreased during the 4 year period 1994-97 (Table 12B). In the 10- to 14-year-old group, the rate for males decreased from 15.9 per 100,000 in 1994 to 8.4 in 1997, a decrease of 47%. In the 15- to 19-year-old group, the rate declined from 585.2 in 1994 to 353.9 in 1997, a 40% decrease. Among young adult men in the 20- to 24-year-old group, the rate of gonorrhea increased slightly between 1996 and 1997 (523.7 and 532.6, respectively); however, relative to the 1994 rate of 739.1, the 1997 rate declined 28%.
- Rates of gonorrhea among female adolescents also decreased over the 4 year period 1994-97 (Table 12B). In the 10- to 14-year-old group, the rate for females decreased from 82.3 per 100,000 in 1994 to 53.8 in 1997, a decrease of 35%. In the 15- to 19-year-old group, the rate declined from 890.2 in 1994 to 718.0 in 1997, a 19% decrease. Among young adult women in the 20- to 24-year-old group, the rate of gonorrhea increased from

524.0 in 1996 to 555.4 in 1997; however, relative to the 1994 rate of 650.4, the 1997 rate declined 15%.

- In 1997, the highest age-specific gonorrhea rates among women and the second highest rates among men were in the 15- to 19-year-old group (Figure 17).
- Except for American Indians/Alaska Natives and Hispanics, gonorrhea rates increased among young adults between 1996 and 1997, and for adolescents in Asian and Pacific Islanders and American Indians/Alaska Natives (Table 12B).
- Since 1990, approximately 20,000 female Job Corps entrants have been screened each year for chlamydia. The Job Corps, administered by the U.S. Department of Labor at 102 sites throughout the country, is a residential occupational training program for urban and rural disadvantaged youth aged 16-24 years. Among women entering the Job Corps in 1997, based on their place of residence just before program entry, state-specific chlamydia prevalence ranged from 4.0% to 18.1% (Figure I). Chlamydial infection is widespread geographically and highly prevalent among these economically disadvantaged young women.

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<sup>1</sup>CDC. Premarital sexual experience among adolescent women--United States, 1970-1988. *MMWR* 1991;39:929-32.

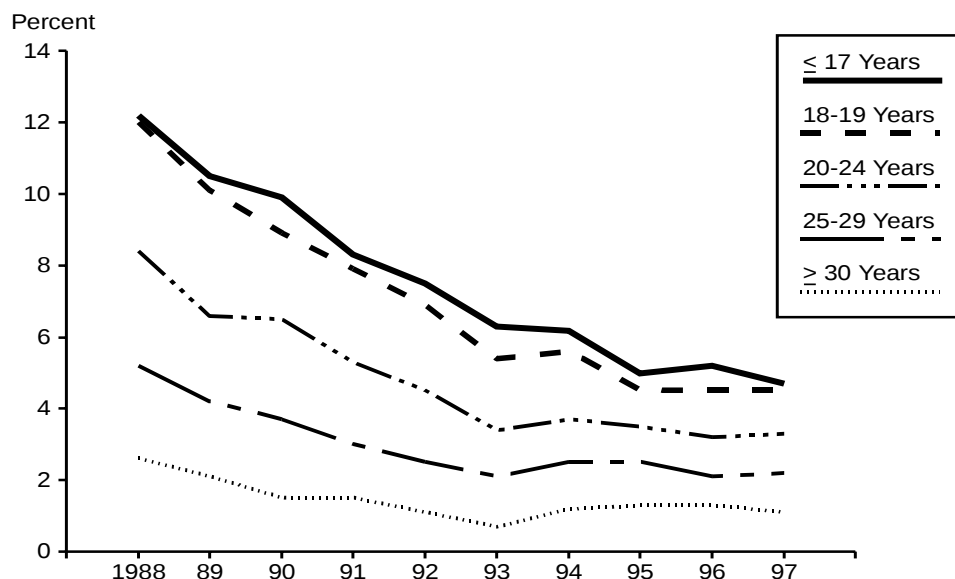
<sup>2</sup>CDC. Pregnancy, Sexually Transmitted Diseases and Related Risk Behaviors Among U.S. Adolescents. Atlanta: Centers for Disease Control and Prevention, 1994. Adolescent Health: State of the Nation monograph series, No. 2. CDC Publication No. 099-4630.

<sup>3</sup>Forrest JD. Timing of reproductive life stages. *Obstet Gynecol* 1993;82(1)

<sup>4</sup>CDC. Recommendations for the prevention and management of *Chlamydia trachomatis* infections, 1993. *MMWR* 1993;42(No. RR-12).

<sup>5</sup>Lossick J, Delisle S, Fine D, Mosure D, Lee V, Smith C. Regional program for widespread screening for *Chlamydia trachomatis* in family planning clinics. In: Bowie WR, Caldwell HD, Jones RP, et al., eds. *Chlamydial Infections: Proceedings of the Seventh International Symposium of Human Chlamydial Infections*, Cambridge, Cambridge, University Press, 1990, pp. 575-9.

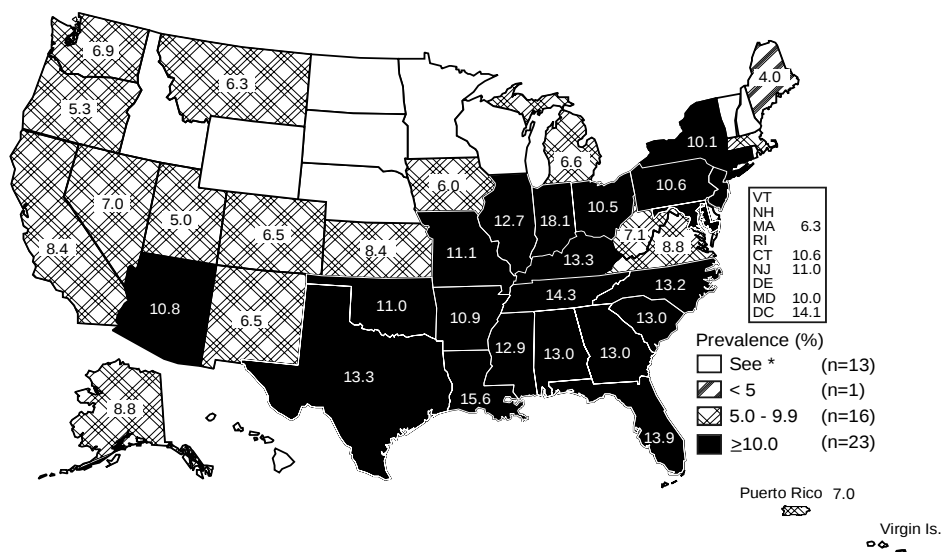
**Figure H. Chlamydia — Positivity among women tested in family planning clinics by age group: Region X, 1988–1997**



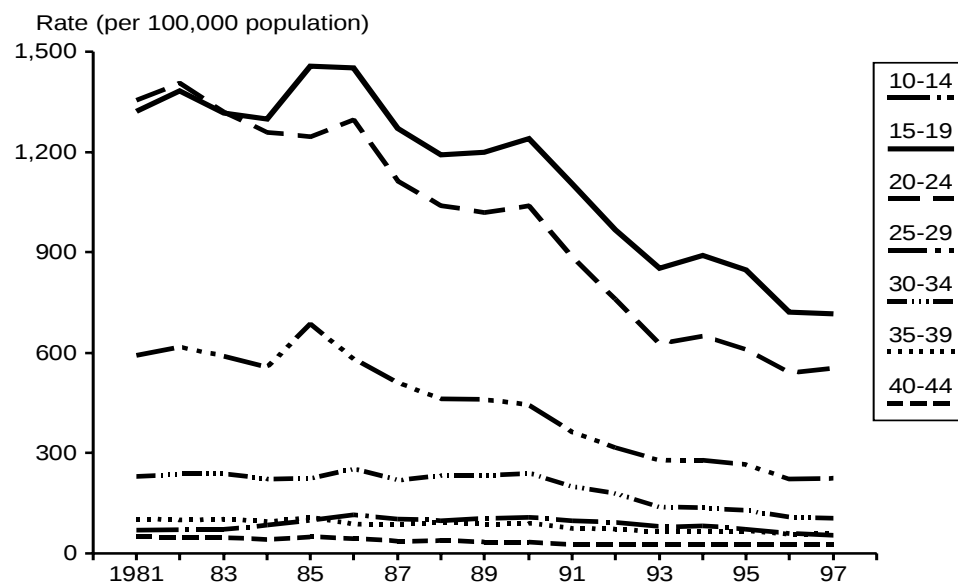
Note: Women who met screening criteria were tested.

SOURCE: Region X Chlamydia Project (Alaska, Idaho, Oregon and Washington)

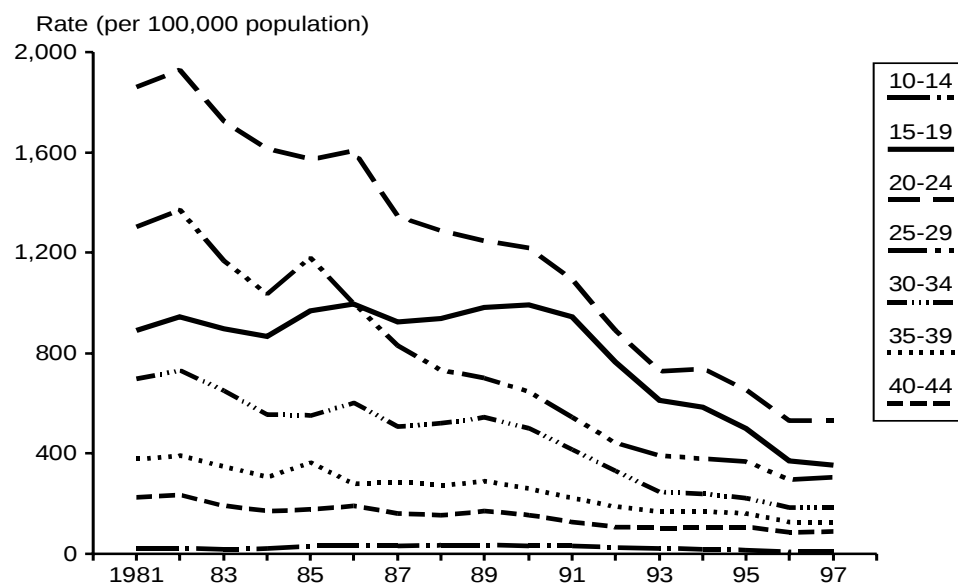
**Figure I. Chlamydia — Prevalence among 16-24 year-old women entering the U.S. Job Corps by state of residence, 1997**



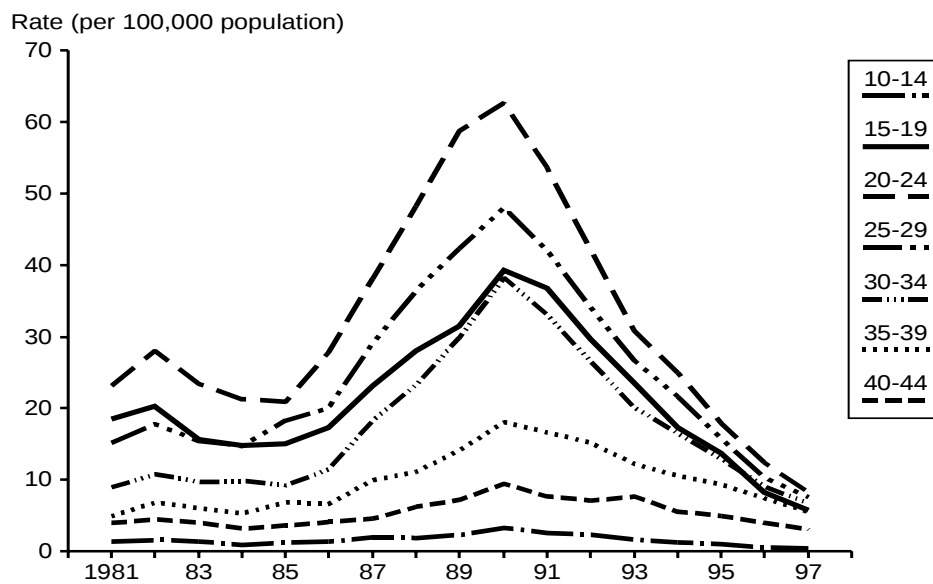
**Figure J. Gonorrhea — Age-specific rates among women 10-44 years of age: United States, 1981–1997**



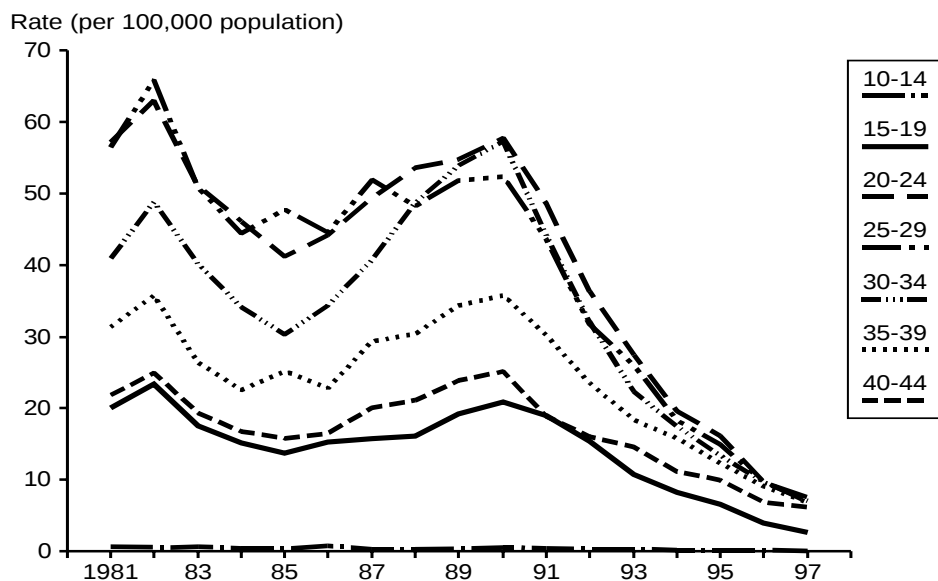
**Figure K. Gonorrhea — Age-specific rates among men 10-44 years of age: United States, 1981–1997**



**Figure L. Primary and secondary syphilis — Age-specific rates among women 10-44 years of age: United States, 1981-1997**



**Figure M. Primary and secondary syphilis — Age-specific rates among men 10-44 years of age: United States, 1981-1997**





# STDs in Minorities

## Public Health Impact

Surveillance data show high rates of STDs for some minority racial or ethnic groups when compared with rates for whites. Race and ethnicity in the United States are risk markers that correlate with other more fundamental determinants of health status such as poverty, access to quality health care, health care seeking behavior, illicit drug use, and living in communities with high prevalence of STDs. Acknowledging the disparity in STD rates by race or ethnicity is one of the first steps in empowering affected communities to organize and focus on this problem.

Surveillance data are based on cases of STDs reported to state and local health departments (see **Appendix**). In many areas, reporting from public sources (e.g., STD clinics) is more complete than reporting from private sources. Since minority populations may utilize public clinics more than whites, differences in rates between minorities and whites may be increased by this reporting bias.

## Observations

- Although chlamydia is a widely distributed STD among all racial and ethnic groups, trends in positivity in women screened in Health and Human Services Region X (Alaska, Idaho, Oregon, and Washington) show consistently higher rates among minorities (Figure N).
- In 1997, African-Americans accounted for about 77% of total reported cases of gonorrhea (Table 12A). The overall gonorrhea rates in 1997 were 807.9 cases per 100,000 population for African-Americans and 69.4 for Hispanics compared with 26.0 for non-Hispanic whites (Figure 16, Table 12B). Compared with 1996, 1997 rates decreased for African-Americans and American Indians/Alaska Natives, increased for Asian/Pacific Islanders, and were similar for whites and Hispanics.
- Gonorrhea rates are high for African-American adolescents and young adults. In 1997, black females aged 15 to 19 years had a gonorrhea rate of 3,561.3 cases per 100,000 population. Black men in this age group had a gonorrhea rate of 2,115.4. These rates were on average about 24 times higher than those of 15- to 19-year-old white adolescents (Table 12B). Among 20- to 24-year-olds in 1997, the gonorrhea rate among blacks was almost 28 times greater than that of whites (3,110.8 vs. 112.2, respectively) (Table 12B).
- Despite declines in gonorrhea rates for most age and race/ethnic groups during the 1980s, African-American adolescents did not show declining trends in rates until 1991 (black women) and 1992 (black men). Between 1996 and 1997, gonorrhea rates declined 6.1% for black females aged 15 to 19 years and 10.3% for black males in this age group (Table 12B, Figures O and P).
- The most recent epidemic of syphilis was largely an epidemic in heterosexual, minority populations<sup>1</sup>. Since 1990, rates of primary and secondary (P&S) syphilis have declined among all racial and ethnic groups except American Indian/Alaska Natives. However, rates for African-Americans and Hispanics continue to be higher than for non-Hispanic

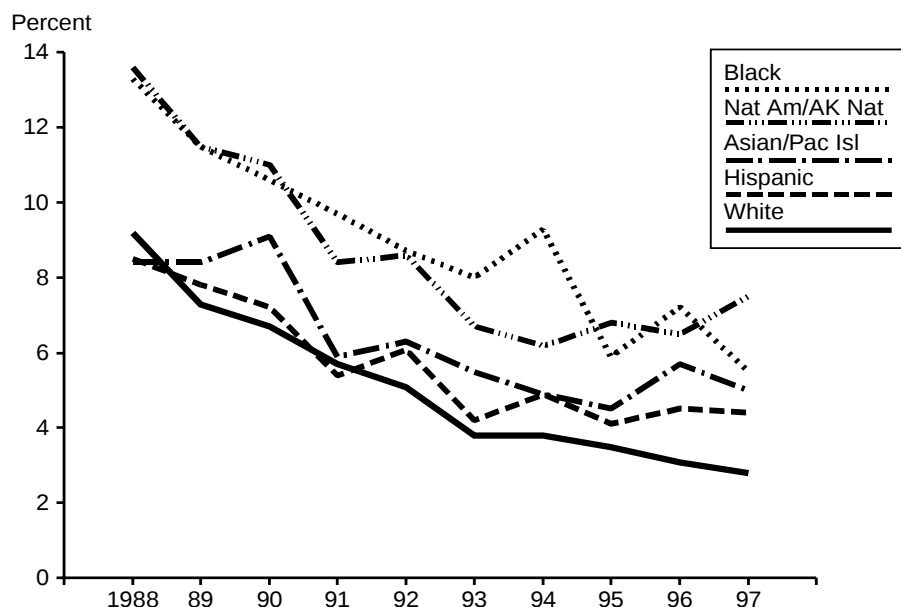
whites. In 1997, African-Americans accounted for about 82% of all reported cases of P&S syphilis (Table 24A). Although the rate for African-Americans declined from 30.2 cases per 100,000 population in 1996 to 22.0 in 1997, the latter rate was 44-fold greater than the non-Hispanic white rate of 0.5 per 100,000 population. Between 1996 and 1997, primary and secondary syphilis rates for black females aged 15 to 19 years declined by 34.4%, and for black males in this age group, by 40.4% (Figures Q and R, Table 24B). Similarly, the P&S rates declined about 30% between 1996 and 1997 among young black adults aged 20 to 24 years. The 1997 rate of P&S syphilis in Hispanics was 1.6 (Figure 31, Table 24B).

- In 1997, the rate of congenital syphilis in African-Americans was 113.5 per 100,000 live births and 34.6 in Hispanics compared with 3.3 in whites (Figure S). Compared with 1996, this represented a 20% decrease for blacks and a 14% decrease for Hispanics.

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<sup>1</sup>Nakashima AK, Rolfs RT, Flock ML, Kilmarx P, Greenspan JR. Epidemiology of syphilis in the United States, 1941 through 1993, *Sex Transm Dis* 1996;23:16-23.

**Figure N. Chlamydia — Positivity among women tested in family planning clinics by race and ethnicity: Region X, 1988–1997**



Note: Women who met screening criteria were tested.

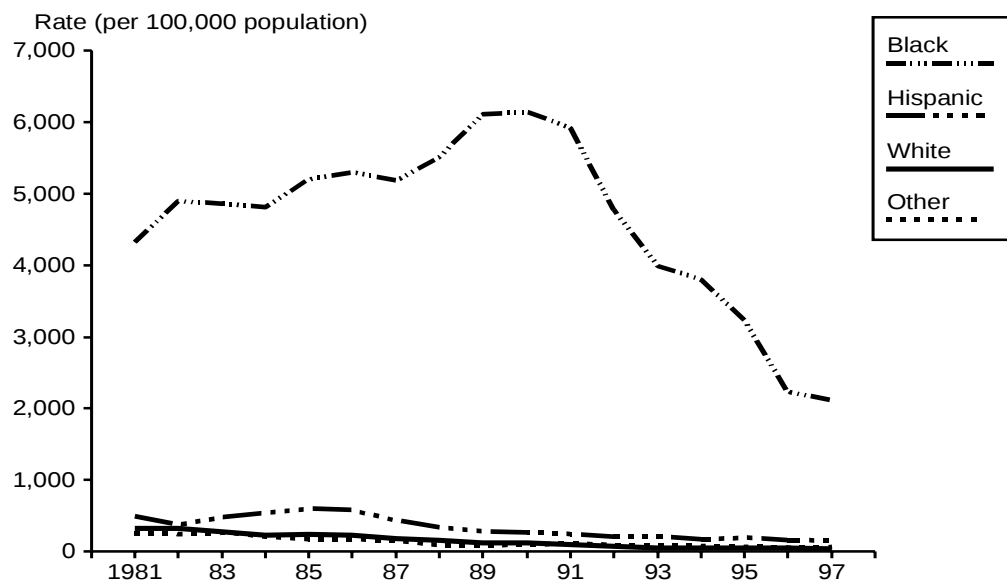
SOURCE: Region X Chlamydia Project (Alaska, Idaho, Oregon, and Washington)

**Figure O. Gonorrhea — Reported rates for 15-19 year old females by race and ethnicity: United States, 1981–1997**



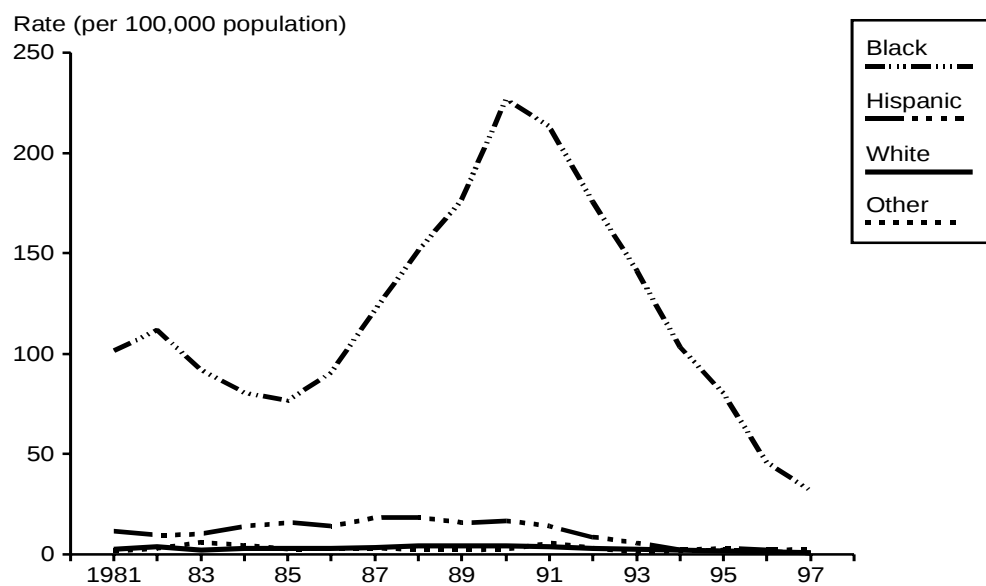
Note: See Appendix.

**Figure P. Gonorrhea — Reported rates for 15-19 year old males by race and ethnicity: United States, 1981-1997**

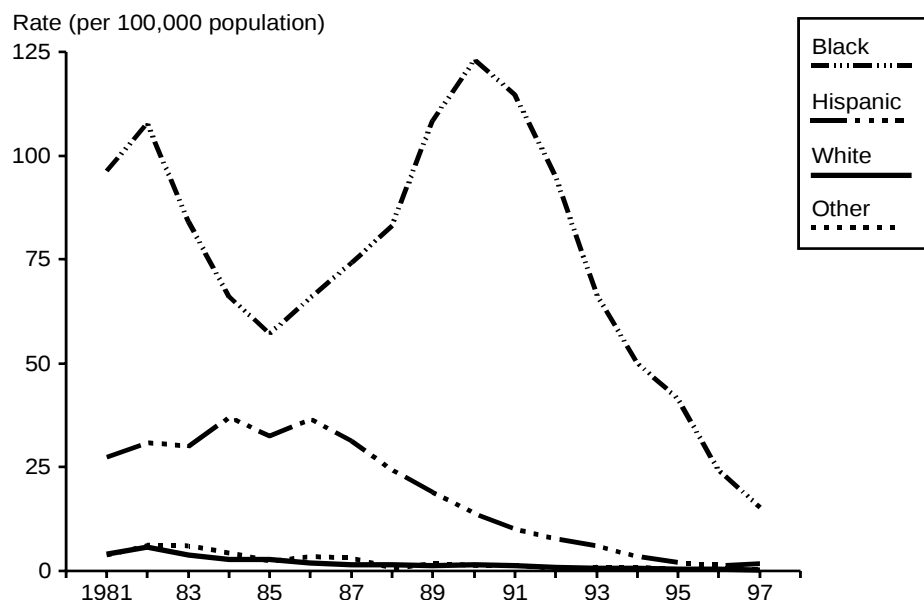


Note: See Appendix.

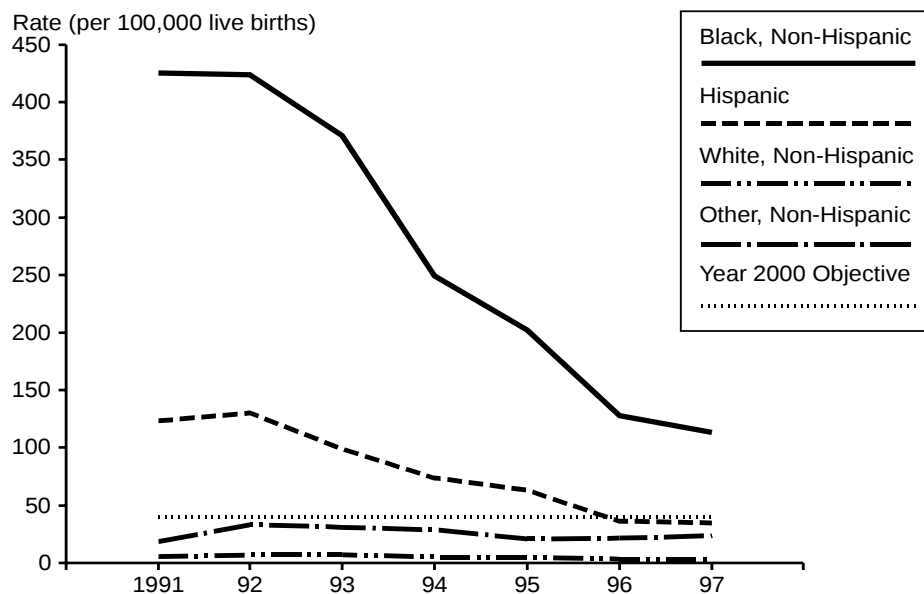
**Figure Q. Primary and secondary syphilis — Reported rates for 15-19 year old females by race and ethnicity: United States, 1981-1997**



**Figure R. Primary and secondary syphilis — Reported rates for 15-19 year old males by race and ethnicity: United States, 1981–1997**



**Figure S. Congenital syphilis — Rates for infants <1 year of age by race and ethnicity: United States, 1991–1997**



Note: Less than 5% of cases had missing race/ethnicity information and were excluded.



# STDs in Persons Entering Corrections Facilities

## Public Health Impact

Multiple studies and surveillance projects have demonstrated a high prevalence of STDs in persons entering jails and juvenile detention facilities. Routine screening, however, has been limited in these facilities.<sup>1</sup> Screening for chlamydia, gonorrhea, and syphilis at intake offers an opportunity to identify infections, prevent complications, and reduce transmission in the community. In cities where routine screening in jails occurs, a substantial percentage of all reported cases are identified in jails.<sup>2</sup> Compiling data and analyzing trends in STD prevalence in this population provides a method for monitoring trends in STD prevalence in the community.

In 1998, the Council of State and Territorial Epidemiologists approved a resolution recommending that state and local health departments work with corrections officials to assess the feasibility of STD screening in corrections facilities, and if appropriate, to implement such screening. This resolution also recommended that CDC work with state and local health departments to develop a national picture of STD prevalence in these facilities. Because this is the first year we are presenting these data, data are lacking from many states.

## Observations

- In 1997, 4 states reported chlamydia, gonorrhea, or syphilis data to CDC as part of the Jail STD Prevalence Monitoring Project, 4 states reported syphilis data as part of the Innovations in Syphilis Prevention Project, and 11 states reported data (at least 100 test results) from routine STD testing for a one-month period for the STD Correctional Health Care Assessment.
- The maps shown below represent approximately 28,000 syphilis test results for men, and 13,000 syphilis test results, 11,000 chlamydia test results, and 10,000 gonorrhea test results for women.
- The positivity for chlamydia and gonorrhea was higher in women than in men and higher in juvenile facilities than in adult facilities. In adolescent women entering juvenile detention facilities, the positivity for chlamydia was greater than 10% in 5 (71%) of 7 facilities (Figure T) and the positivity for gonorrhea was at least 3% in 5 (83%) of 6 facilities (Figure U).
- The percentage of reactive syphilis tests was higher for women than for men in all 13 facilities reporting syphilis test results for both sexes (Figures V, W). Of women tested for syphilis, greater than 5% had reactive tests in 14 (88%) of 16 facilities reporting syphilis

test results for women (Figure V). The percentage of reactive syphilis tests representing new cases of syphilis varied from site to site.

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<sup>1</sup>CDC. Assessment of sexually transmitted diseases services in city and county jails -- United States, 1997. *MMWR* 1998;47:429-31.

<sup>2</sup>CDC. Syphilis screening among women arrestees at the Cook County Jail -- Chicago, 1996. *MMWR* 1998;47:432-3.

**Figure T. Chlamydia — Positivity in women entering juvenile and adult corrections facilities<sup>†</sup>, 1997**

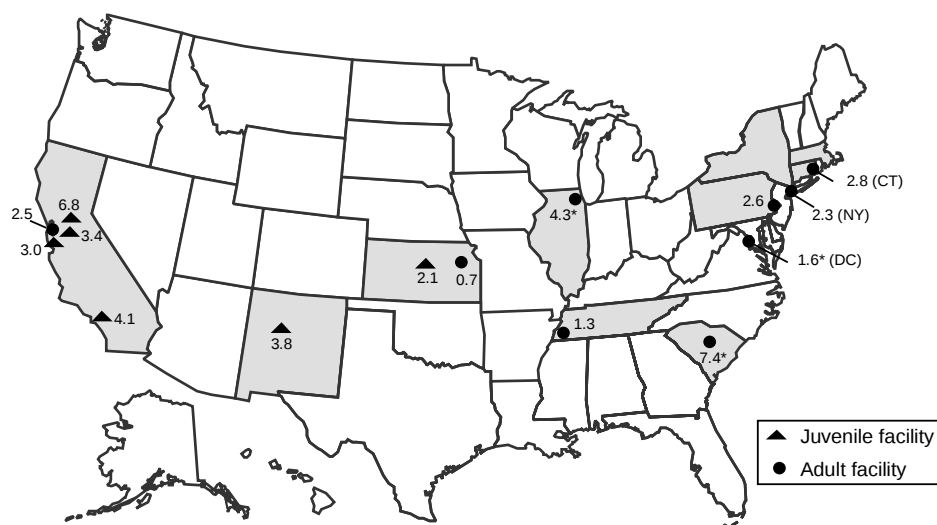


<sup>†</sup>From facilities reporting >100 test results.

\*Data from STD Correctional Health Care Assessment, 1997.

SOURCE: Local and State STD Control Programs; Regional Infertility Prevention Programs; Centers for Disease Control and Prevention

**Figure U. Gonorrhea — Positivity in women entering juvenile and adult corrections facilities<sup>†</sup>, 1997**

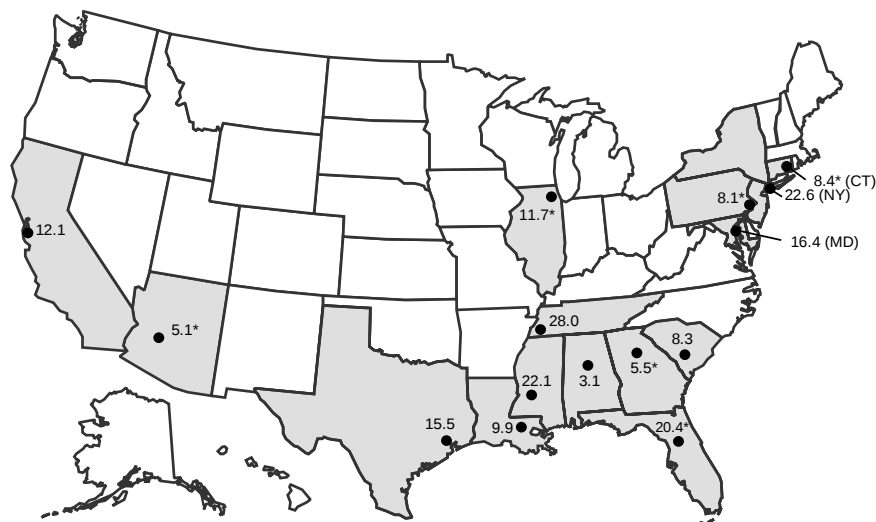


<sup>†</sup>From facilities reporting >100 test results.

\*Data from STD Correctional Health Care Assessment, 1997.

SOURCE: Local and State STD Control Programs; Regional Infertility Prevention Programs; Centers for Disease Control and Prevention

**Figure V. Syphilis serologic tests — Percent seroreactivity in women entering adult corrections facilities<sup>†</sup>, 1997**

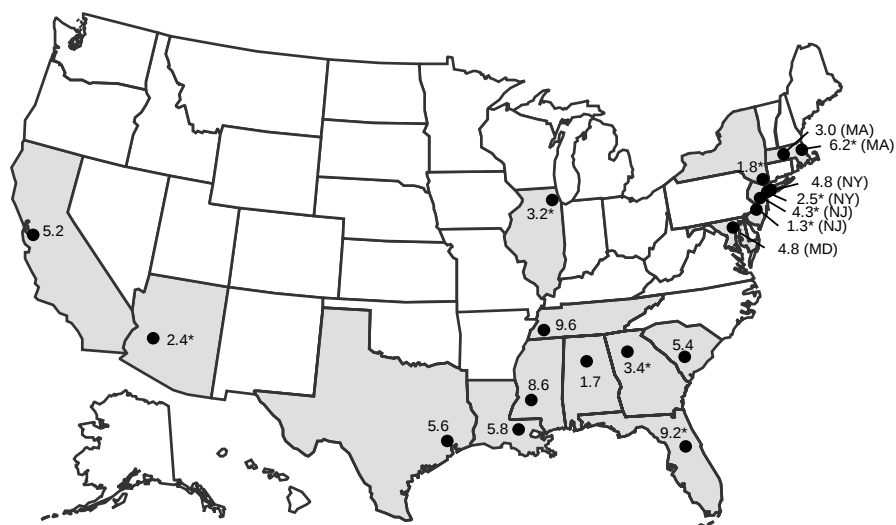


<sup>†</sup>From facilities reporting >100 test results.

\*Data from STD Correctional Health Care Assessment, 1997.

SOURCE: Local and State STD Control Programs; Regional Infertility Prevention Programs; Centers for Disease Control and Prevention

**Figure W. Syphilis serologic tests — Percent seroreactivity in men entering adult corrections facilities<sup>†</sup>, 1997**



<sup>†</sup>From facilities reporting >100 test results.

\*Data from STD Correctional Health Care Assessment, 1997.

SOURCE: Local and State STD Control Programs; Regional Infertility Prevention Programs; Centers for Disease Control and Prevention

# STDs in the South

## Public Health Impact

The southern region of the U.S. (Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia) has higher rates of primary and secondary (P&S) syphilis and gonorrhea than other regions of the country. The reasons for regional differences in rates are not well understood, but may include differences in racial and ethnic distribution of the population, poverty, and availability and quality of health care services. These racial and ethnic differentials in STD rates are particularly disturbing in light of the fact that STDs facilitate HIV transmission at least two to five fold. High HIV prevalence among childbearing women living in the South may be due, in part, to the high rates of these other STDs. Data from a randomized controlled trial of STD treatment to prevent HIV infection suggest that as much as a 40% reduction in HIV incidence might be achieved in areas with high STD rates<sup>1</sup>.

## Observations

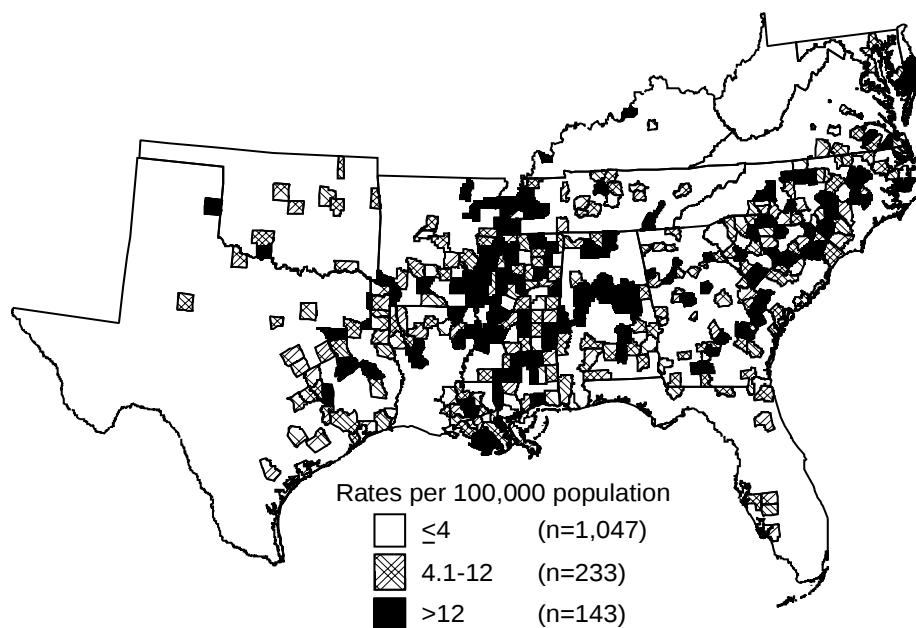
- The South has consistently had higher rates of both gonorrhea and P&S syphilis compared with other regions throughout the 1980s and 1990s (Figures 12, 13, 26, 28, Tables 14 and 26). In 1997, the South also had the highest rate of chlamydia (Table 5) compared to the other regions.
- In 1997, 6 of the 10 areas with the highest chlamydia rates were in the South (Table 4). Similarly, the 10 states with the highest rates of gonorrhea were all located in the South (Figure 12, Table 13). Nine southern states and one outlying area had rates of P&S syphilis above the HP2000 objective of 4 per 100,000 (Figures 26 and 27, Table 25). The nine southern states had rates of P&S syphilis that were 1.7 to 4.4 greater than the HP2000 national objective (Figure 26, Table 25).
- In 1997, 376 (91%) of 413 counties with P&S syphilis rates above the HP2000 objective were located in the South (Figure 27 and Figure X).
- Of the 376 counties in the South that had a 1997 P&S syphilis rate above 4.0 per 100,000 population, 78 (21%) had an increase in the rate from 1996 to 1997 (Figures X and Y).
- County-specific rates of gonorrhea and chlamydia in 1997 were produced for those southern states submitting county level data (Figures Z and AA). These county level data were reported through the National Electronic Telecommunications System for Surveillance (NETSS), *and are provisional for all states shown except Alabama, where*

hardcopy reports have been discontinued based on the submission of consistent, quality, and timely submissions of NETSS data.

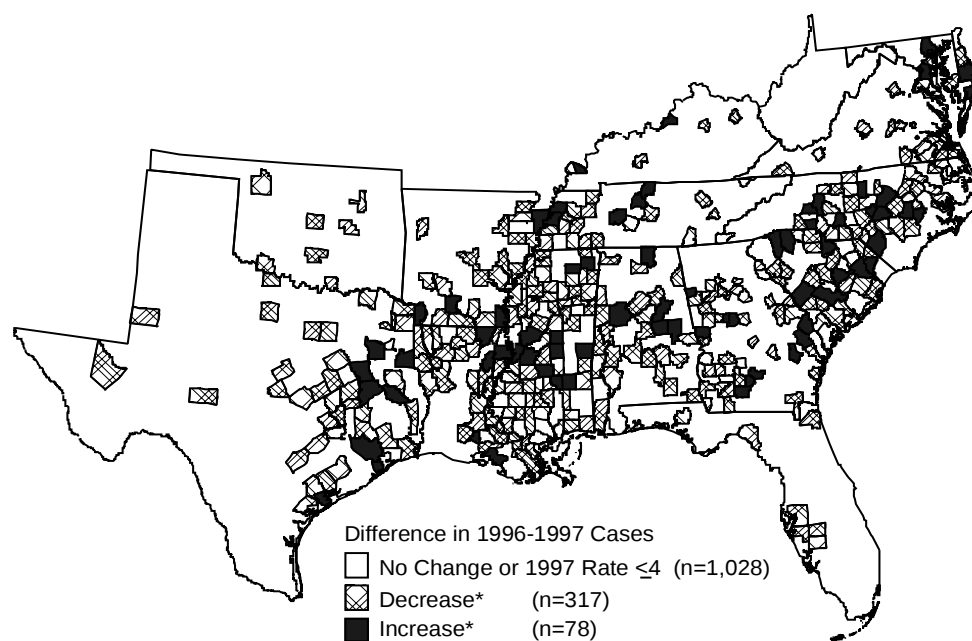
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<sup>1</sup>Grosskurth H, Mosha F, Todd J, et al. Impact of improved treatment of sexually transmitted diseases on HIV infection in rural Tanzania: randomized controlled trial. *Lancet* 1995;346:530-6.

**Figure X. South — Primary and secondary syphilis case rates by county, 1997**

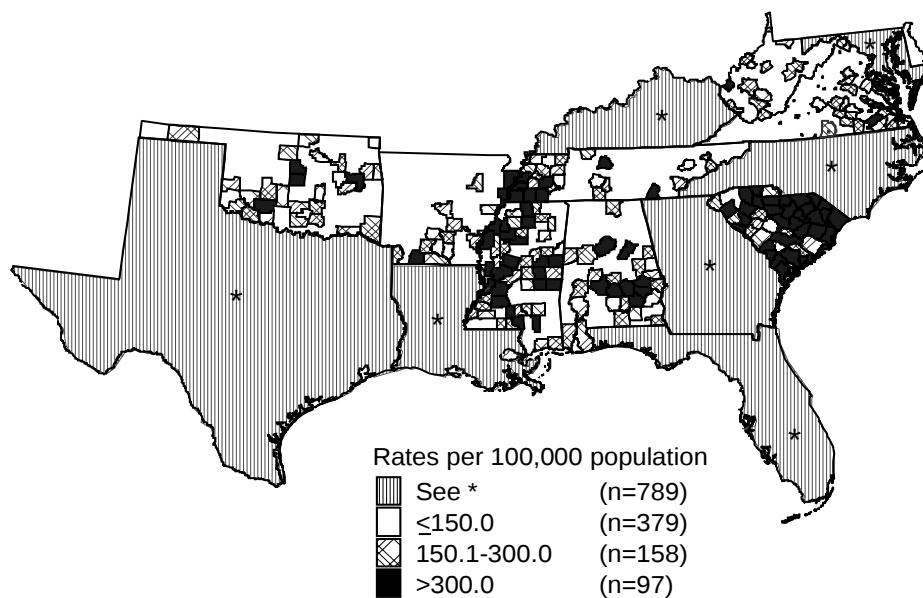


**Figure Y. South — Increases and decreases in cases of primary and secondary syphilis in 1997 compared with 1996 cases, by county**



\*Decrease in cases in 1997 vs. 1996; 1997 rate >4.0/100,000 population.  
 \*\*Increase in cases in 1997 vs. 1996; 1997 rate >4.0/100,000 population.

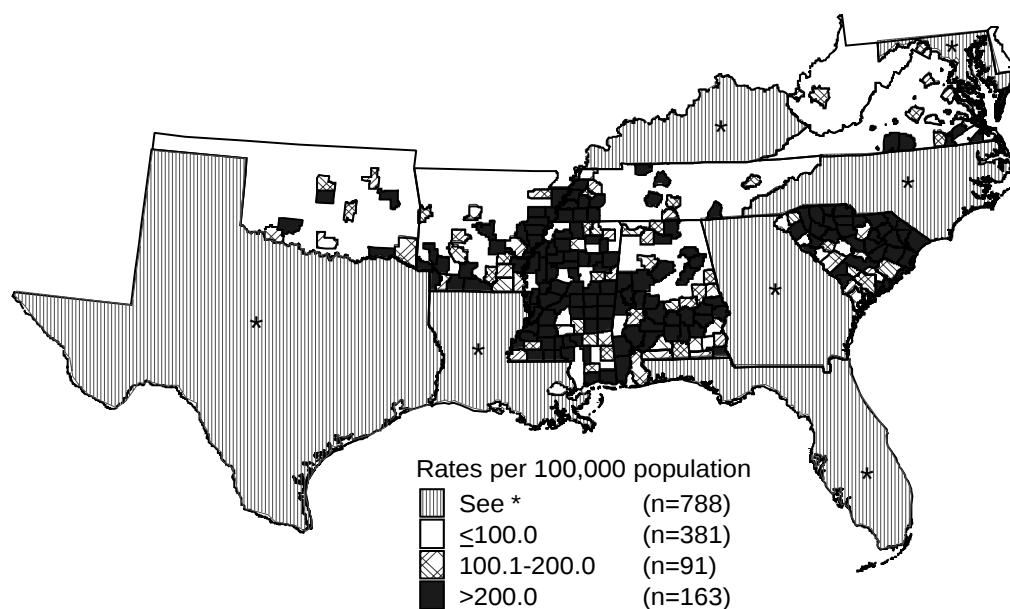
**Figure Z. South — Chlamydia case rates by county, 1997**



\*States not submitting county level data.

SOURCE: National Electronic Telecommunications System for Surveillance (NETSS) data

**Figure AA. South — Gonorrhea case rates by county, 1997**



\*States not submitting county level data.

SOURCE: National Electronic Telecommunications System for Surveillance (NETSS) data

**Table 1. Cases of sexually transmitted diseases reported by state health departments and rates per 100,000 civilian population: United States, 1941–1997\***

| Year <sup>1</sup> | Syphilis   |       |                       |      |              |       |                      |       |            |                   |        |      |           |       |       |      |       |      |       |      |  |  |
|-------------------|------------|-------|-----------------------|------|--------------|-------|----------------------|-------|------------|-------------------|--------|------|-----------|-------|-------|------|-------|------|-------|------|--|--|
|                   | All Stages |       | Primary and Secondary |      | Early Latent |       | Late and Late Latent |       | Congenital |                   |        |      |           |       |       |      |       |      |       |      |  |  |
|                   | Cases      | Rate  | Cases                 | Rate | Cases        | Rate  | Cases                | Rate  | Cases      | Rate <sup>2</sup> | Cases  | Rate | Cases     | Rate  | Cases | Rate | Cases | Rate | Cases | Rate |  |  |
| 1941              | 485,560    | 368.2 | 68,231                | 51.7 | 109,018      | 82.6  | 202,984              | 153.9 | 17,600     | 13.4              | NR     | .    | 193,468   | 146.7 | 3,384 | 2.5  | 639   | 0.4  | 1,381 | 1.0  |  |  |
| 1942              | 479,601    | 363.4 | 75,312                | 57.0 | 116,245      | 88.0  | 202,064              | 153.1 | 16,918     | 12.8              | NR     | .    | 212,403   | 160.9 | 5,477 | 4.1  | 1,278 | 0.9  | 1,888 | 1.4  |  |  |
| 1943              | 575,593    | 447.0 | 82,204                | 63.8 | 149,390      | 116.0 | 251,958              | 195.7 | 16,164     | 12.6              | NR     | .    | 275,070   | 213.6 | 8,354 | 6.4  | 1,748 | 1.3  | 2,593 | 2.0  |  |  |
| 1944              | 467,755    | 367.9 | 78,443                | 61.6 | 123,038      | 96.7  | 202,848              | 159.6 | 13,578     | 10.7              | NR     | .    | 300,676   | 236.5 | 7,878 | 6.1  | 1,759 | 1.3  | 2,858 | 2.2  |  |  |
| 1945              | 359,114    | 282.3 | 77,007                | 60.5 | 101,719      | 79.9  | 142,187              | 111.8 | 12,339     | 9.7               | NR     | .    | 287,181   | 225.8 | 5,515 | 4.3  | 1,857 | 1.4  | 2,631 | 2.0  |  |  |
| 1946              | 363,647    | 271.7 | 94,957                | 70.9 | 107,924      | 80.6  | 125,248              | 93.6  | 12,106     | 9.0               | NR     | .    | 368,020   | 275.0 | 7,091 | 5.2  | 2,232 | 1.6  | 2,603 | 1.9  |  |  |
| 1947              | 355,592    | 252.3 | 93,545                | 66.4 | 104,124      | 73.9  | 122,089              | 86.6  | 12,200     | 8.7               | NR     | .    | 380,666   | 270.0 | 9,515 | 6.7  | 2,330 | 1.7  | 2,526 | 1.8  |  |  |
| 1948              | 314,313    | 218.2 | 68,174                | 47.3 | 90,598       | 62.9  | 123,312              | 85.6  | 13,931     | 9.7               | NR     | .    | 345,501   | 239.8 | 7,661 | 5.3  | 2,469 | 1.7  | 2,429 | 1.7  |  |  |
| 1949              | 256,463    | 175.3 | 41,942                | 28.7 | 75,045       | 51.3  | 116,397              | 79.5  | 13,952     | 9.5               | NR     | .    | 317,950   | 217.3 | 6,707 | 4.6  | 2,402 | 1.6  | 1,925 | 1.3  |  |  |
| 1950              | 217,558    | 146.0 | 23,939                | 16.7 | 59,256       | 39.7  | 113,569              | 70.2  | 13,377     | 9.0               | NR     | .    | 286,746   | 192.5 | 4,977 | 3.3  | 1,783 | 1.2  | 1,427 | 1.0  |  |  |
| 1951              | 174,924    | 116.1 | 14,485                | 9.6  | 43,316       | 28.7  | 98,311               | 65.2  | 11,094     | 7.4               | NR     | .    | 254,470   | 168.9 | 4,233 | 2.8  | 1,352 | 0.9  | 1,300 | 0.9  |  |  |
| 1952              | 167,762    | 110.2 | 10,449                | 6.9  | 36,454       | 24.0  | 105,238              | 69.1  | 8,553      | 5.6               | NR     | .    | 244,957   | 160.8 | 3,738 | 2.5  | 951   | 0.6  | 1,200 | 0.8  |  |  |
| 1953              | 148,573    | 95.9  | 8,637                 | 5.6  | 28,295       | 18.3  | 98,870               | 63.8  | 7,675      | 5.0               | NR     | .    | 238,340   | 153.9 | 3,338 | 2.2  | 667   | 0.4  | 983   | 0.6  |  |  |
| 1954              | 130,687    | 82.9  | 7,147                 | 4.5  | 23,861       | 15.1  | 89,123               | 56.5  | 6,676      | 4.2               | NR     | .    | 242,050   | 153.5 | 3,003 | 1.9  | 618   | 0.4  | 875   | 0.6  |  |  |
| 1955              | 122,392    | 76.2  | 6,454                 | 4.0  | 20,054       | 12.5  | 86,526               | 53.8  | 5,354      | 3.3               | NR     | .    | 236,197   | 147.0 | 2,649 | 1.7  | 490   | 0.3  | 762   | 0.5  |  |  |
| 1956              | 130,201    | 78.7  | 6,392                 | 3.9  | 19,783       | 12.0  | 95,097               | 57.5  | 5,491      | 3.3               | NR     | .    | 224,346   | 135.7 | 2,135 | 1.3  | 357   | 0.2  | 500   | 0.3  |  |  |
| 1957              | 123,758    | 73.5  | 6,576                 | 3.9  | 17,796       | 10.6  | 91,309               | 54.2  | 5,288      | 3.1               | NR     | .    | 214,496   | 127.4 | 1,637 | 1.0  | 348   | 0.2  | 448   | 0.3  |  |  |
| 1958              | 113,884    | 66.4  | 7,176                 | 4.2  | 16,556       | 9.7   | 83,027               | 48.4  | 4,866      | 2.8               | NR     | .    | 232,386   | 135.6 | 1,595 | 0.9  | 314   | 0.2  | 434   | 0.3  |  |  |
| 1959              | 120,824    | 69.2  | 9,799                 | 5.6  | 17,025       | 9.8   | 86,740               | 49.7  | 5,130      | 2.9               | NR     | .    | 240,254   | 137.6 | 1,537 | 0.9  | 265   | 0.2  | 604   | 0.3  |  |  |
| 1960              | 122,538    | 68.8  | 16,145                | 9.1  | 18,017       | 10.1  | 81,798               | 45.9  | 4,416      | 2.5               | NR     | .    | 258,933   | 145.4 | 1,680 | 0.9  | 296   | 0.2  | 835   | 0.5  |  |  |
| 1961              | 124,658    | 68.8  | 19,851                | 11.0 | 19,486       | 10.8  | 79,304               | 43.8  | 4,163      | 2.3               | NR     | .    | 264,158   | 145.8 | 1,438 | 0.8  | 241   | 0.1  | 787   | 0.4  |  |  |
| 1962              | 126,245    | 68.7  | 21,067                | 11.5 | 19,585       | 10.7  | 79,533               | 43.3  | 4,070      | 2.2               | NR     | .    | 263,714   | 143.6 | 1,344 | 0.7  | 207   | 0.1  | 590   | 0.3  |  |  |
| 1963              | 124,137    | 66.6  | 22,251                | 11.9 | 18,235       | 9.8   | 78,076               | 41.9  | 4,031      | 2.2               | NR     | .    | 278,289   | 149.2 | 1,220 | 0.7  | 173   | 0.1  | 586   | 0.3  |  |  |
| 1964              | 114,325    | 60.4  | 22,969                | 12.1 | 17,781       | 9.4   | 68,629               | 36.3  | 3,516      | 1.9               | NR     | .    | 300,666   | 159.0 | 1,247 | 0.7  | 135   | 0.1  | 732   | 0.4  |  |  |
| 1965              | 112,842    | 58.9  | 23,338                | 12.2 | 17,458       | 9.1   | 67,317               | 35.1  | 3,564      | 1.9               | NR     | .    | 324,925   | 169.6 | 982   | 0.5  | 155   | 0.1  | 878   | 0.5  |  |  |
| 1966              | 105,159    | 54.4  | 21,414                | 11.1 | 15,950       | 8.2   | 63,541               | 32.9  | 3,170      | 1.6               | NR     | .    | 351,738   | 181.9 | 838   | 0.4  | 148   | 0.1  | 308   | 0.2  |  |  |
| 1967              | 102,581    | 52.5  | 21,053                | 10.8 | 15,554       | 8.0   | 61,975               | 31.7  | 2,894      | 1.5               | NR     | .    | 404,836   | 207.3 | 784   | 0.4  | 154   | 0.1  | 371   | 0.2  |  |  |
| 1968              | 96,271     | 48.8  | 19,019                | 9.6  | 15,150       | 7.7   | 58,564               | 29.7  | 2,381      | 1.2               | NR     | .    | 464,543   | 235.7 | 845   | 0.4  | 156   | 0.1  | 485   | 0.2  |  |  |
| 1969              | 92,162     | 46.3  | 19,130                | 9.6  | 15,402       | 7.7   | 54,587               | 27.4  | 2,074      | 1.0               | NR     | .    | 534,872   | 268.6 | 1,104 | 0.6  | 154   | 0.1  | 520   | 0.3  |  |  |
| 1970              | 91,382     | 45.3  | 21,982                | 10.9 | 16,311       | 8.1   | 50,348               | 24.9  | 1,953      | 1.0               | NR     | .    | 600,072   | 297.2 | 1,416 | 0.7  | 124   | 0.1  | 612   | 0.3  |  |  |
| 1971              | 95,997     | 46.9  | 23,783                | 11.6 | 19,417       | 9.5   | 49,993               | 24.4  | 2,052      | 1.0               | NR     | .    | 670,268   | 327.2 | 1,320 | 0.6  | 89    | 0.0  | 692   | 0.3  |  |  |
| 1972              | 91,149     | 43.9  | 24,429                | 11.8 | 20,784       | 10.0  | 43,456               | 20.9  | 1,758      | 0.8               | NR     | .    | 767,215   | 369.7 | 1,414 | 0.7  | 81    | 0.0  | 756   | 0.4  |  |  |
| 1973              | 87,469     | 41.7  | 24,825                | 11.8 | 23,584       | 11.3  | 37,054               | 17.7  | 1,527      | 0.7               | NR     | .    | 842,621   | 402.0 | 1,165 | 0.6  | 62    | 0.0  | 408   | 0.2  |  |  |
| 1974              | 83,771     | 39.6  | 25,385                | 12.0 | 25,124       | 11.9  | 31,854               | 15.1  | 1,138      | 0.5               | NR     | .    | 906,121   | 428.2 | 945   | 0.4  | 47    | 0.0  | 394   | 0.2  |  |  |
| 1975              | 80,356     | 37.6  | 25,561                | 12.0 | 26,569       | 12.4  | 27,096               | 12.7  | 916        | 0.4               | NR     | .    | 999,937   | 467.7 | 700   | 0.3  | 60    | 0.0  | 353   | 0.2  |  |  |
| 1976              | 71,761     | 33.2  | 23,731                | 11.0 | 25,363       | 11.7  | 21,905               | 10.1  | 626        | 0.3               | NR     | .    | 1,001,994 | 464.1 | 628   | 0.3  | 71    | 0.0  | 365   | 0.2  |  |  |
| 1977              | 64,621     | 29.6  | 20,399                | 9.4  | 21,329       | 9.8   | 22,313               | 10.2  | 463        | 0.2               | NR     | .    | 1,002,219 | 459.5 | 455   | 0.2  | 75    | 0.0  | 348   | 0.2  |  |  |
| 1978              | 64,875     | 29.4  | 21,656                | 9.8  | 19,628       | 8.9   | 23,038               | 10.4  | 434        | 0.2               | NR     | .    | 1,013,436 | 459.7 | 521   | 0.2  | 72    | 0.0  | 284   | 0.1  |  |  |
| 1979              | 67,049     | 30.1  | 24,874                | 11.2 | 20,459       | 9.2   | 21,301               | 9.6   | 332        | 0.1               | NR     | .    | 1,004,058 | 450.3 | 840   | 0.4  | 76    | 0.0  | 250   | 0.1  |  |  |
| 1980              | 68,832     | 30.5  | 27,204                | 12.1 | 20,297       | 9.0   | 20,979               | 9.3   | 277        | 0.1               | NR     | .    | 1,004,029 | 445.1 | 788   | 0.3  | 51    | 0.0  | 199   | 0.1  |  |  |
| 1981              | 72,799     | 32.0  | 31,266                | 13.7 | 21,033       | 9.2   | 20,168               | 8.9   | 287        | 0.1               | NR     | .    | 990,864   | 435.2 | 850   | 0.4  | 66    | 0.0  | 263   | 0.1  |  |  |
| 1982              | 75,579     | 32.9  | 33,613                | 14.6 | 21,894       | 9.5   | 19,799               | 8.6   | 259        | 0.1               | NR     | .    | 960,633   | 417.9 | 1,392 | 0.6  | 17    | 0.0  | 235   | 0.1  |  |  |
| 1983              | 74,637     | 32.1  | 32,698                | 14.1 | 23,738       | 10.2  | 17,896               | 7.7   | 239        | 0.1               | NR     | .    | 900,435   | 387.6 | 847   | 0.4  | 24    | 0.0  | 335   | 0.1  |  |  |
| 1984              | 69,873     | 29.8  | 28,607                | 12.2 | 23,132       | 9.9   | 17,829               | 7.6   | 305        | 0.1               | 7,594  | 3.2  | 878,556   | 374.8 | 665   | 0.3  | 30    | 0.0  | 170   | 0.1  |  |  |
| 1985              | 67,563     | 28.5  | 27,131                | 11.5 | 21,689       | 9.2   | 18,414               | 7.8   | 329        | 0.1               | 25,848 | 10.8 | 911,419   | 384.3 | 2,067 | 0.9  | 44    | 0.0  | 226   | 0.1  |  |  |

**Table 1. Cases of sexually transmitted diseases reported by state health departments and rates per 100,000 civilian population: United States, 1941–1997\* (continued)**

| Year <sup>1</sup> | Syphilis   |      |                       |      |              |      |                      |      |            |                   | Chlamydia |       | Gonorrhea |       | Chancroid |      | Granuloma Inguinale |      | Lympho-granuloma Venereum |      |
|-------------------|------------|------|-----------------------|------|--------------|------|----------------------|------|------------|-------------------|-----------|-------|-----------|-------|-----------|------|---------------------|------|---------------------------|------|
|                   | All Stages |      | Primary and Secondary |      | Early Latent |      | Late and Late Latent |      | Congenital |                   |           |       |           |       |           |      |                     |      |                           |      |
|                   | Cases      | Rate | Cases                 | Rate | Cases        | Rate | Cases                | Rate | Cases      | Rate <sup>2</sup> | Cases     | Rate  | Cases     | Rate  | Cases     | Rate | Cases               | Rate | Cases                     | Rate |
| 1986              | 67,771     | 28.3 | 27,667                | 11.6 | 21,656       | 9.0  | 18,046               | 7.5  | 410        | 0.2               | 58,001    | 24.1  | 892,229   | 372.8 | 3,045     | 1.3  | 48                  | 0.0  | 307                       | 0.1  |
| 1987              | 87,278     | 35.9 | 35,585                | 14.6 | 28,233       | 11.6 | 22,988               | 9.4  | 480        | 0.2               | 91,913    | 47.8  | 787,532   | 323.6 | 4,986     | 2.0  | 22                  | 0.0  | 302                       | 0.1  |
| 1988              | 104,546    | 42.5 | 40,474                | 16.5 | 35,968       | 14.6 | 27,363               | 11.1 | 741        | 0.3               | 157,807   | 81.8  | 738,160   | 300.3 | 4,891     | 2.0  | 11                  | 0.0  | 194                       | 0.1  |
| 1989              | 115,067    | 46.6 | 45,826                | 18.6 | 45,394       | 18.4 | 22,032               | 8.9  | 1,837      | 0.7               | 200,904   | 96.6  | 733,294   | 297.1 | 4,697     | 1.9  | 7                   | 0.0  | 182                       | 0.1  |
| 1990              | 135,043    | 54.3 | 50,578                | 20.3 | 55,397       | 22.3 | 25,750               | 10.4 | 3,865      | 1.6               | 323,663   | 160.8 | 690,042   | 277.4 | 4,212     | 1.7  | 97                  | 0.0  | 277                       | 0.1  |
| 1991              | 128,637    | 51.0 | 42,950                | 17.0 | 53,855       | 21.4 | 27,490               | 10.9 | 4,424      | 1.8               | 381,228   | 180.3 | 621,918   | 246.7 | 3,476     | 1.4  | 29                  | 0.0  | 471                       | 0.2  |
| 1992              | 112,855    | 44.3 | 33,962                | 13.3 | 49,903       | 19.6 | 25,099               | 9.8  | 3,890      | 1.5               | 409,634   | 183.4 | 502,785   | 197.1 | 1,885     | 0.7  | 6                   | 0.0  | 289                       | 0.1  |
| 1993              | 101,335    | 39.3 | 26,497                | 10.3 | 41,902       | 16.3 | 29,675               | 11.5 | 3,261      | 1.3               | 405,275   | 179.5 | 444,578   | 172.5 | 1,237     | 0.5  | 19                  | 0.0  | 286                       | 0.1  |
| 1994              | 81,696     | 31.4 | 20,627                | 7.9  | 32,012       | 12.3 | 26,840               | 10.3 | 2,217      | 0.8               | 451,705   | 194.5 | 419,470   | 165.6 | 773       | 0.3  | 3                   | 0.0  | 235                       | 0.1  |
| 1995              | 69,329     | 26.4 | 16,542                | 6.3  | 26,655       | 10.1 | 24,272               | 9.2  | 1,860      | 0.7               | 478,533   | 190.4 | 392,622   | 149.4 | 607       | 0.2  | 0                   | 0.0  | 188                       | 0.1  |
| 1996              | 53,215     | 20.1 | 11,390                | 4.3  | 20,186       | 7.6  | 20,356               | 7.7  | 1,283      | 0.5               | 490,047   | 192.6 | 326,522   | 123.1 | 386       | 0.1  | 10                  | 0.0  | 72                        | 0.0  |
| 1997              | 46,537     | 17.5 | 8,550                 | 3.2  | 16,617       | 6.3  | 20,321               | 7.7  | 1,049      | 0.4               | 526,653   | 207.0 | 324,901   | 122.5 | 243       | 0.1  | 8                   | 0.0  | 113                       | 0.0  |

\*NR = No report

<sup>1</sup>For 1941-1946, data were reported for the federal fiscal year ending June 30 of the year indicated. From 1947 to the present, data were reported for the calendar year ending December 31. For 1941-1958, data for Alaska and Hawaii were not included.

<sup>2</sup>For 1941-1994, rates include all cases of congenitally acquired syphilis per 100,000 population. As of 1995, rates of congenital syphilis <1 year of age per 100,000 population are reported. **For rates of congenital syphilis <1 year of age per 100,000 live births see Tables 38, 39 and 40.** As of 1995, cases of congenital syphilis <1 year of age are obtained using case reporting form CDC 73.126.

Note: Adjustments to the number of cases reported from state health departments were accepted through June 15, 1998 (see Appendix). The number of cases and the rates shown here supersede those published in previous reports. Military cases are no longer categorized separately and are included with civilian cases. Georgia did not report gonorrhea statistics for 1994 (see Appendix). Cases and rates shown in this table exclude the outlying areas of Guam, Puerto Rico and Virgin Islands.

**Table 2. Reported cases of sexually transmitted disease by gender and reporting source: United States, 1997\***

| Disease                            | Non-STD Clinic |         |         | STD Clinic |         |         | Total <sup>†</sup> |         |         |
|------------------------------------|----------------|---------|---------|------------|---------|---------|--------------------|---------|---------|
|                                    | Male           | Female  | Total   | Male       | Female  | Total   | Male               | Female  | Total   |
| Total <i>Chlamydia trachomatis</i> | 41,269         | 304,014 | 347,622 | 40,912     | 114,118 | 155,289 | 87,640             | 436,350 | 526,653 |
| Chlamydial PID <sup>‡</sup>        | NA             | 1,567   | 1,567   | NA         | 438     | 439     | NA                 | 2,014   | 2,015   |
| Ophthalmia Neonatorum              | 55             | 84      | 139     | 10         | 13      | 23      | 65                 | 97      | 162     |
| Total Gonorrhea                    | 60,756         | 102,055 | 163,156 | 101,973    | 59,512  | 161,585 | 162,793            | 161,658 | 324,901 |
| Gonococcal PID                     | NA             | 1,779   | 1,779   | NA         | 1,640   | 1,648   | NA                 | 3,425   | 3,433   |
| Ophthalmia Neonatorum              | 111            | 230     | 341     | 440        | 494     | 934     | 551                | 724     | 1,275   |
| Total Syphilis <sup>§</sup>        | NA             | NA      | NA      | NA         | NA      | NA      | 24,103             | 22,340  | 46,537  |
| Primary                            | 537            | 221     | 758     | 1,642      | 480     | 2,123   | 2,181              | 701     | 2,883   |
| Secondary                          | 837            | 1,168   | 2,006   | 1,637      | 2,022   | 3,660   | 2,475              | 3,190   | 5,667   |
| Early Latent                       | 2,642          | 3,148   | 5,797   | 5,593      | 5,214   | 10,814  | 8,239              | 8,364   | 16,617  |
| Late and Late Latent               | 4,364          | 4,378   | 8,752   | 6,343      | 5,195   | 11,544  | 10,721             | 9,584   | 20,321  |
| Neurosyphilis                      | 137            | 39      | 176     | 14         | 3       | 17      | 151                | 42      | 193     |
| Congenital <1 year <sup>¥</sup>    | NR             | NR      | NR      | NR         | NR      | NR      | 487                | 501     | 1,049   |
| Chancroid                          | 13             | 15      | 28      | 144        | 54      | 198     | 157                | 69      | 243     |
| Granuloma Inguinale                | 2              | 2       | 4       | 1          | 1       | 2       | 5                  | 3       | 8       |
| Lymphogranuloma Venereum           | 20             | 22      | 42      | 64         | 7       | 71      | 84                 | 29      | 113     |
| Genital Herpes <sup>¶</sup>        | 681            | 2,871   | 3,552   | 2,608      | 2,036   | 4,652   | 3,289              | 4,907   | 8,204   |
| Other and Nonspecified PID         | NA             | 2,050   | 2,052   | NA         | 1,818   | 1,820   | NA                 | 4,211   | 4,215   |
| Nonspecific Urethritis in Men      | 1,799          | NA      | 1,799   | 30,887     | NA      | 30,933  | 34,430             | NA      | 34,476  |

\*NA = Not applicable. NR = No report.

<sup>†</sup>Totals include unknown gender and reporting source.

<sup>¥</sup>Cases of congenital syphilis <1 year of age are obtained using reporting form CDC 73.126. Clinic reporting source is not available from that form.

<sup>‡</sup>PID = Pelvic inflammatory disease.

<sup>§</sup>Neurosyphilis cases are not included with Total Syphilis cases.

<sup>¶</sup>Herpes data are only available for a limited number of states.

**Table 3A. Chlamydia — Reported cases by age, gender, and race/ethnicity: United States, 1996-1997**

| <b>1996</b>      |                |               |                |                            |               |                |                            |               |                |
|------------------|----------------|---------------|----------------|----------------------------|---------------|----------------|----------------------------|---------------|----------------|
| <i>Age Group</i> | <i>Total</i>   |               |                | <i>White, Non-Hispanic</i> |               |                | <i>Black, Non-Hispanic</i> |               |                |
|                  | <i>Total</i>   | <i>Male</i>   | <i>Female</i>  | <i>Total</i>               | <i>Male</i>   | <i>Female</i>  | <i>Total</i>               | <i>Male</i>   | <i>Female</i>  |
| 10-14            | 9,338          | 457           | 8,881          | 2,671                      | 89            | 2,582          | 4,851                      | 251           | 4,600          |
| 15-19            | 151,120        | 16,860        | 134,260        | 52,580                     | 4,155         | 48,425         | 68,515                     | 9,116         | 59,399         |
| 20-24            | 119,432        | 20,972        | 98,460         | 41,427                     | 6,171         | 35,256         | 49,230                     | 10,075        | 39,155         |
| 25-29            | 46,997         | 10,418        | 36,579         | 14,906                     | 3,128         | 11,778         | 18,579                     | 4,747         | 13,832         |
| 30-34            | 19,655         | 5,167         | 14,488         | 5,993                      | 1,583         | 4,410          | 7,611                      | 2,337         | 5,274          |
| 35-39            | 9,319          | 2,616         | 6,703          | 3,086                      | 862           | 2,224          | 3,614                      | 1,188         | 2,426          |
| 40-44            | 4,070          | 1,270         | 2,800          | 1,361                      | 406           | 955            | 1,586                      | 570           | 1,016          |
| 45-54            | 2,590          | 935           | 1,655          | 979                        | 356           | 623            | 959                        | 422           | 537            |
| 55-64            | 512            | 236           | 276            | 206                        | 87            | 119            | 181                        | 105           | 76             |
| 65+              | 475            | 114           | 361            | 205                        | 62            | 143            | 143                        | 29            | 114            |
| <b>TOTAL</b>     | <b>366,080</b> | <b>59,658</b> | <b>306,422</b> | <b>124,335</b>             | <b>17,096</b> | <b>107,239</b> | <b>156,209</b>             | <b>29,080</b> | <b>127,129</b> |

| <b>1997</b>      |                |               |                |                            |               |                |                            |               |                |
|------------------|----------------|---------------|----------------|----------------------------|---------------|----------------|----------------------------|---------------|----------------|
| <i>Age Group</i> | <i>Total</i>   |               |                | <i>White, Non-Hispanic</i> |               |                | <i>Black, Non-Hispanic</i> |               |                |
|                  | <i>Total</i>   | <i>Male</i>   | <i>Female</i>  | <i>Total</i>               | <i>Male</i>   | <i>Female</i>  | <i>Total</i>               | <i>Male</i>   | <i>Female</i>  |
| 10-14            | 9,168          | 451           | 8,717          | 2,636                      | 73            | 2,563          | 4,610                      | 238           | 4,372          |
| 15-19            | 158,554        | 19,298        | 139,256        | 53,114                     | 4,381         | 48,733         | 72,581                     | 10,514        | 62,067         |
| 20-24            | 130,368        | 25,439        | 104,929        | 42,202                     | 6,787         | 35,415         | 56,383                     | 12,827        | 43,556         |
| 25-29            | 51,178         | 12,625        | 38,553         | 15,249                     | 3,361         | 11,888         | 21,057                     | 6,212         | 14,845         |
| 30-34            | 21,059         | 6,326         | 14,733         | 5,948                      | 1,664         | 4,284          | 8,452                      | 3,128         | 5,324          |
| 35-39            | 9,721          | 3,280         | 6,441          | 2,937                      | 893           | 2,044          | 3,916                      | 1,618         | 2,298          |
| 40-44            | 4,196          | 1,537         | 2,659          | 1,345                      | 453           | 892            | 1,648                      | 769           | 879            |
| 45-54            | 2,660          | 1,124         | 1,536          | 897                        | 381           | 516            | 989                        | 516           | 473            |
| 55-64            | 562            | 271           | 291            | 185                        | 84            | 101            | 220                        | 120           | 100            |
| 65+              | 1,142          | 266           | 876            | 354                        | 67            | 287            | 453                        | 122           | 331            |
| <b>TOTAL</b>     | <b>390,482</b> | <b>71,181</b> | <b>319,301</b> | <b>125,406</b>             | <b>18,288</b> | <b>107,118</b> | <b>171,164</b>             | <b>36,323</b> | <b>134,841</b> |

NOTE: In most instances, if age or race/ethnicity was not specified, cases were prorated according to the distribution of cases for which these variables were specified. For 1996 and 1997 the following states/areas listed did not report race/ethnicity for most cases and were excluded: Colorado, Georgia, Maryland, Michigan, New Jersey, New York, Ohio, and South Carolina. Cases and population denominators have been excluded for these states/areas. Differences between total cases from this table and others in the report are due to different reporting forms and above listed exclusions. Cases and rates for the 0 to 9 year age group are not shown because some of these may not be due to sexual transmission; however, they are included in the totals.

**Table 3A. Chlamydia — Reported cases by age, gender, and race/ethnicity: United States, 1996-1997**  
(continued)

| <b>1996</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 1,482           | 86          | 1,396         | 122                           | 15          | 107           | 212                                  | 16          | 196           |
| 15-19            | 24,753          | 2,956       | 21,797        | 1,931                         | 212         | 1,719         | 3,341                                | 421         | 2,920         |
| 20-24            | 23,659          | 3,932       | 19,727        | 2,255                         | 340         | 1,915         | 2,861                                | 454         | 2,407         |
| 25-29            | 11,143          | 2,101       | 9,042         | 1,115                         | 195         | 920           | 1,254                                | 247         | 1,007         |
| 30-34            | 4,854           | 983         | 3,871         | 558                           | 121         | 437           | 639                                  | 143         | 496           |
| 35-39            | 1,996           | 452         | 1,544         | 292                           | 62          | 230           | 331                                  | 52          | 279           |
| 40-44            | 833             | 221         | 612           | 136                           | 44          | 92            | 154                                  | 29          | 125           |
| 45-54            | 470             | 121         | 349           | 93                            | 24          | 69            | 89                                   | 12          | 77            |
| 55-64            | 87              | 32          | 55            | 13                            | 5           | 8             | 25                                   | 7           | 18            |
| 65+              | 106             | 15          | 91            | 10                            | 5           | 5             | 11                                   | 3           | 8             |
| TOTAL            | 69,951          | 11,057      | 58,894        | 6,593                         | 1,028       | 5,565         | 8,992                                | 1,397       | 7,595         |

| <b>1997</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 1,556           | 124         | 1,432         | 121                           | 8           | 113           | 245                                  | 8           | 237           |
| 15-19            | 27,463          | 3,798       | 23,665        | 2,258                         | 280         | 1,978         | 3,138                                | 325         | 2,813         |
| 20-24            | 26,649          | 5,029       | 21,620        | 2,424                         | 422         | 2,002         | 2,710                                | 374         | 2,336         |
| 25-29            | 12,455          | 2,636       | 9,819         | 1,206                         | 241         | 965           | 1,211                                | 175         | 1,036         |
| 30-34            | 5,459           | 1,287       | 4,172         | 601                           | 153         | 448           | 599                                  | 94          | 505           |
| 35-39            | 2,252           | 639         | 1,613         | 320                           | 62          | 258           | 296                                  | 68          | 228           |
| 40-44            | 920             | 265         | 655           | 162                           | 35          | 127           | 121                                  | 15          | 106           |
| 45-54            | 574             | 178         | 396           | 120                           | 38          | 82            | 80                                   | 11          | 69            |
| 55-64            | 119             | 54          | 65            | 16                            | 3           | 13            | 22                                   | 10          | 12            |
| 65+              | 214             | 54          | 160           | 86                            | 19          | 67            | 35                                   | 4           | 31            |
| TOTAL            | 78,064          | 14,206      | 63,858        | 7,353                         | 1,272       | 6,081         | 8,495                                | 1,092       | 7,403         |

**Table 3B. Chlamydia — Reported rates per 100,000 population by age, gender, and race/ethnicity:  
United States, 1996-1997**

| <b>1996</b>      |              |             |               |                            |             |               |                            |             |               |
|------------------|--------------|-------------|---------------|----------------------------|-------------|---------------|----------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 64.8         | 6.2         | 126.3         | 27.4                       | 1.8         | 54.4          | 261.6                      | 26.7        | 503.6         |
| 15-19            | 1,131.6      | 245.8       | 2,067.0       | 578.1                      | 88.6        | 1,099.3       | 3,911.4                    | 1,024.9     | 6,889.3       |
| 20-24            | 881.7        | 303.5       | 1,483.9       | 450.0                      | 131.7       | 780.0         | 2,924.5                    | 1,208.1     | 4,609.7       |
| 25-29            | 338.3        | 149.0       | 530.4         | 156.6                      | 65.6        | 247.7         | 1,178.0                    | 629.0       | 1,681.7       |
| 30-34            | 119.5        | 62.7        | 176.4         | 50.7                       | 26.7        | 74.8          | 435.4                      | 284.1       | 569.9         |
| 35-39            | 56.0         | 31.5        | 80.5          | 25.0                       | 13.9        | 36.1          | 205.9                      | 143.6       | 261.6         |
| 40-44            | 27.4         | 17.2        | 37.4          | 12.0                       | 7.2         | 16.9          | 106.8                      | 82.0        | 128.5         |
| 45-54            | 11.2         | 8.3         | 14.1          | 5.3                        | 3.9         | 6.7           | 49.0                       | 47.3        | 50.5          |
| 55-64            | 3.3          | 3.2         | 3.4           | 1.6                        | 1.4         | 1.8           | 13.8                       | 18.4        | 10.3          |
| 65+              | 1.9          | 1.1         | 2.4           | 0.9                        | 0.7         | 1.1           | 8.1                        | 4.2         | 10.6          |
| TOTAL            | 186.5        | 62.1        | 305.8         | 85.9                       | 24.2        | 145.0         | 753.7                      | 294.8       | 1,170.5       |

| <b>1997</b>      |              |             |               |                            |             |               |                            |             |               |
|------------------|--------------|-------------|---------------|----------------------------|-------------|---------------|----------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 64.1         | 6.1         | 125.0         | 27.3                       | 1.5         | 54.6          | 249.2                      | 25.3        | 480.1         |
| 15-19            | 1,126.3      | 265.6       | 2,044.3       | 561.4                      | 89.9        | 1,061.8       | 3,933.7                    | 1,122.7     | 6,830.9       |
| 20-24            | 984.8        | 373.3       | 1,633.5       | 480.6                      | 151.5       | 823.7         | 3,458.0                    | 1,588.6     | 5,292.1       |
| 25-29            | 360.0        | 176.3       | 546.7         | 157.4                      | 69.5        | 245.2         | 1,301.9                    | 800.0       | 1,765.2       |
| 30-34            | 132.9        | 79.7        | 186.2         | 53.2                       | 29.8        | 76.5          | 492.2                      | 386.5       | 586.6         |
| 35-39            | 58.0         | 39.1        | 76.9          | 23.8                       | 14.4        | 33.3          | 222.4                      | 194.8       | 247.1         |
| 40-44            | 27.1         | 19.9        | 34.1          | 11.5                       | 7.7         | 15.2          | 106.4                      | 105.9       | 106.9         |
| 45-54            | 11.1         | 9.6         | 12.6          | 4.8                        | 4.1         | 5.4           | 47.4                       | 54.2        | 41.8          |
| 55-64            | 3.5          | 3.6         | 3.5           | 1.4                        | 1.4         | 1.5           | 16.4                       | 20.6        | 13.2          |
| 65+              | 4.5          | 2.5         | 5.8           | 1.6                        | 0.7         | 2.2           | 25.5                       | 17.6        | 30.6          |
| TOTAL            | 196.8        | 73.1        | 316.0         | 86.5                       | 25.8        | 144.6         | 817.2                      | 364.4       | 1,228.4       |

NOTE: For 1996 and 1997 the following the states/areas listed did not report race/ethnicity for most cases: Colorado, Georgia, Maryland, Michigan, New Jersey, New York, Ohio, and South Carolina. Cases and population denominators have been excluded for these states/areas. Rates for the 0 to 9 year age group are not shown because some of these may not be due to sexual transmission; however, they are included in the totals.

**Table 3B. Chlamydia — Reported rates per 100,000 population by age, gender, and race/ethnicity:  
United States, 1996-1997 (continued)**

| <b>1996</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 72.6            | 8.2         | 139.7         | 21.0                          | 5.1         | 37.3          | 115.5                                | 17.3        | 215.6         |
| 15-19            | 1,330.2         | 310.6       | 2,397.4       | 390.6                         | 84.5        | 705.5         | 2,196.2                              | 547.8       | 3,878.9       |
| 20-24            | 1,219.7         | 381.8       | 2,168.6       | 395.0                         | 119.0       | 671.1         | 1,977.8                              | 614.4       | 3,401.6       |
| 25-29            | 537.1           | 187.0       | 950.3         | 189.8                         | 68.7        | 302.9         | 966.1                                | 376.3       | 1,569.5       |
| 30-34            | 232.1           | 88.8        | 393.0         | 86.4                          | 38.9        | 130.6         | 452.4                                | 205.6       | 691.9         |
| 35-39            | 113.3           | 49.5        | 181.8         | 47.0                          | 21.0        | 70.6          | 245.8                                | 79.4        | 403.2         |
| 40-44            | 60.0            | 31.5        | 89.3          | 24.3                          | 17.1        | 30.4          | 129.3                                | 50.8        | 201.5         |
| 45-54            | 26.1            | 13.7        | 38.0          | 12.1                          | 6.8         | 16.6          | 52.0                                 | 14.6        | 86.6          |
| 55-64            | 7.9             | 6.2         | 9.4           | 2.8                           | 2.4         | 3.2           | 24.0                                 | 14.4        | 32.5          |
| 65+              | 8.7             | 2.9         | 12.9          | 2.0                           | 2.4         | 1.7           | 9.5                                  | 6.2         | 12.0          |
| TOTAL            | 315.5           | 98.0        | 541.0         | 94.9                          | 30.7        | 154.5         | 518.4                                | 163.9       | 860.9         |

| <b>1997</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 75.5            | 11.7        | 142.6         | 21.4                          | 2.8         | 40.7          | 134.7                                | 8.7         | 263.8         |
| 15-19            | 1,317.5         | 342.4       | 2,426.4       | 430.3                         | 105.0       | 766.0         | 1,937.0                              | 397.6       | 3,504.4       |
| 20-24            | 1,264.6         | 432.8       | 2,286.8       | 418.4                         | 144.1       | 698.6         | 1,933.5                              | 527.1       | 3,375.6       |
| 25-29            | 585.6           | 225.0       | 1,027.7       | 185.9                         | 78.0        | 283.8         | 886.1                                | 251.6       | 1,543.9       |
| 30-34            | 251.9           | 110.6       | 415.7         | 93.2                          | 49.8        | 132.8         | 436.7                                | 138.4       | 729.1         |
| 35-39            | 118.1           | 63.6        | 179.0         | 50.8                          | 20.6        | 78.3          | 217.0                                | 102.2       | 326.5         |
| 40-44            | 60.2            | 33.6        | 88.5          | 27.7                          | 12.9        | 40.6          | 98.7                                 | 25.5        | 166.3         |
| 45-54            | 29.1            | 18.1        | 40.0          | 14.3                          | 9.8         | 18.2          | 44.9                                 | 12.9        | 74.5          |
| 55-64            | 10.3            | 9.9         | 10.7          | 3.3                           | 1.3         | 4.8           | 20.6                                 | 20.0        | 21.1          |
| 65+              | 16.4            | 9.7         | 21.4          | 15.6                          | 8.2         | 21.1          | 29.2                                 | 7.9         | 44.8          |
| TOTAL            | 332.7           | 117.1       | 563.2         | 101.5                         | 36.5        | 161.9         | 485.0                                | 126.8       | 831.2         |

**Table 4. Chlamydia — Reported cases and rates by state/area, ranked according to rates: United States and outlying areas, 1997**

| <i>Rank</i> | <i>State/Area</i>            | <i>Cases</i>   | <i>Rate per 100,000 Population</i> |
|-------------|------------------------------|----------------|------------------------------------|
| 1           | New York <sup>1</sup>        | 28,468         | 385.7                              |
| 2           | Delaware                     | 2,613          | 360.5                              |
| 3           | South Carolina               | 12,511         | 338.2                              |
| 4           | Mississippi                  | 7,899          | 290.8                              |
| 5           | Maryland                     | 13,763         | 271.4                              |
| 6           | Alaska                       | 1,615          | 266.1                              |
| 7           | Louisiana                    | 11,545         | 265.4                              |
| 8           | Texas                        | 50,675         | 264.9                              |
| 9           | Guam                         | 368            | 260.8                              |
| 10          | Arizona                      | 10,783         | 243.5                              |
| 11          | Tennessee                    | 12,502         | 235.0                              |
| 12          | New Mexico                   | 4,021          | 234.7                              |
| 13          | North Carolina               | 17,108         | 233.6                              |
| 14          | Missouri                     | 12,308         | 229.7                              |
| 15          | Oklahoma                     | 7,416          | 224.7                              |
| 16          | Michigan                     | 21,399         | 223.0                              |
| 17          | Georgia                      | 15,911         | 216.4                              |
| 18          | California                   | 68,647         | 215.3                              |
| 19          | Rhode Island                 | 2,069          | 208.9                              |
|             | <b>U.S.TOTAL<sup>2</sup></b> | <b>526,653</b> | <b>207.0</b>                       |
| 20          | Ohio                         | 22,827         | 204.3                              |
| 21          | Alabama                      | 8,704          | 203.7                              |
| 22          | South Dakota                 | 1,450          | 198.0                              |
| 23          | Illinois                     | 23,024         | 194.4                              |
| 24          | Colorado                     | 7,196          | 188.2                              |
| 25          | Florida                      | 26,788         | 186.0                              |
| 26          | Connecticut                  | 6,064          | 185.2                              |
| 27          | Wisconsin                    | 9,554          | 185.2                              |
| 28          | Virginia                     | 11,615         | 174.0                              |
| 29          | Washington                   | 9,574          | 173.0                              |
| 30          | Iowa                         | 4,907          | 172.1                              |
| 31          | West Virginia                | 3,108          | 170.2                              |
| 32          | Nebraska                     | 2,767          | 167.5                              |
| 33          | Pennsylvania                 | 19,838         | 164.5                              |
| 34          | Oregon                       | 5,270          | 164.5                              |
| 35          | Indiana                      | 9,600          | 164.4                              |
| 36          | Kentucky                     | 6,332          | 163.0                              |
| 37          | Kansas                       | 4,003          | 155.6                              |
| 38          | Hawaii                       | 1,811          | 153.0                              |
| 39          | Idaho                        | 1,709          | 143.7                              |
| 40          | Minnesota                    | 6,631          | 142.4                              |
| 41          | North Dakota                 | 902            | 140.2                              |
| 42          | Wyoming                      | 635            | 131.9                              |
| 43          | Massachusetts                | 7,984          | 131.0                              |
| 44          | Montana                      | 1,146          | 130.3                              |
| 45          | New Jersey                   | 10,347         | 129.5                              |
| 46          | Nevada                       | 1,952          | 121.8                              |
| 47          | Arkansas                     | 2,503          | 99.7                               |
| 48          | Utah                         | 1,774          | 88.7                               |
| 49          | Maine                        | 1,066          | 85.7                               |
| 50          | Vermont                      | 434            | 73.7                               |
| 51          | New Hampshire                | 816            | 70.2                               |
| 52          | Puerto Rico                  | 2,123          | 57.1                               |
| 53          | Virgin Islands               | 14             | 12.6                               |

<sup>1</sup>New York's cases and rate are based on New York City. No cases were reported outside of New York City.

<sup>2</sup>Includes cases reported by Washington, D.C., but excludes outlying areas (Guam, Puerto Rico and Virgin Islands).

**Table 5. Chlamydia — Reported cases and rates by state/area and region: United States and outlying areas, 1993–1997\***

| State/Area              | Cases   |         |         |         |         | Rates per 100,000 Population |       |       |       |       |
|-------------------------|---------|---------|---------|---------|---------|------------------------------|-------|-------|-------|-------|
|                         | 1993    | 1994    | 1995    | 1996    | 1997    | 1993                         | 1994  | 1995  | 1996  | 1997  |
| Alabama                 | NR      | 508     | 3,188   | 8,306   | 8,704   | .                            | 12.0  | 75.0  | 194.4 | 203.7 |
| Alaska                  | NR      | NR      | NR      | 1,360   | 1,615   | .                            | .     | .     | 224.1 | 266.1 |
| Arizona                 | 10,313  | 9,211   | 10,061  | 10,692  | 10,783  | 261.4                        | 226.0 | 238.5 | 241.5 | 243.5 |
| Arkansas                | 668     | 788     | 680     | 2,111   | 2,503   | 27.5                         | 32.1  | 27.4  | 84.1  | 99.7  |
| California              | 67,408  | 72,713  | 61,758  | 61,522  | 68,647  | 215.9                        | 231.3 | 195.5 | 193.0 | 215.3 |
| Colorado                | 51      | 9,031   | 6,650   | 7,282   | 7,196   | 1.4                          | 247.0 | .     | 177.5 | 190.5 |
| Connecticut             | 7,610   | 7,146   | 6,440   | 6,269   | 6,064   | 232.2                        | 218.2 | 196.7 | 191.5 | 185.2 |
| Delaware                | 1,610   | 2,478   | 2,701   | 2,271   | 2,613   | 230.2                        | 349.4 | 376.6 | 313.3 | 360.5 |
| Florida                 | NR      | NR      | 22,294  | 24,763  | 26,788  | .                            | .     | 157.4 | 172.0 | 186.0 |
| Georgia                 | 4,217   | 168     | 11,193  | 13,555  | 15,911  | 61.1                         | 2.4   | 155.4 | 184.3 | 216.4 |
| Hawaii                  | 2,632   | 2,484   | 2,135   | 1,816   | 1,811   | 225.8                        | 210.8 | 179.9 | 153.4 | 153.0 |
| Idaho                   | 1,893   | 1,752   | 1,739   | 1,524   | 1,709   | 172.0                        | 154.6 | 149.5 | 128.1 | 143.7 |
| Illinois                | 23,424  | 24,605  | 24,645  | 24,430  | 23,024  | 200.4                        | 209.4 | 208.3 | 206.2 | 194.4 |
| Indiana                 | 10,034  | 10,346  | 9,102   | 10,334  | 9,600   | 175.9                        | 179.9 | 156.8 | 176.9 | 164.4 |
| Iowa                    | 5,214   | 5,413   | 5,089   | 4,165   | 4,907   | 184.8                        | 191.3 | 179.1 | 146.0 | 172.1 |
| Kansas                  | 5,815   | 6,391   | 5,314   | 4,449   | 4,003   | 229.4                        | 250.2 | 207.1 | 173.0 | 155.6 |
| Kentucky                | 5,479   | 5,630   | 6,904   | 6,805   | 6,332   | 144.4                        | 147.1 | 178.9 | 175.2 | 163.0 |
| Louisiana               | 12,207  | 10,650  | 9,111   | 11,020  | 11,545  | 284.5                        | 246.8 | 209.8 | 253.3 | 265.4 |
| Maine                   | 1,580   | 1,195   | 1,144   | 967     | 1,066   | 127.4                        | 96.3  | 92.2  | 77.8  | 85.7  |
| Maryland                | 5,157   | 6,709   | 10,378  | 11,901  | 13,763  | 104.1                        | 134.1 | 205.8 | 234.7 | 271.4 |
| Massachusetts           | 8,339   | 8,066   | 7,402   | 6,837   | 7,984   | 138.6                        | 133.5 | 121.9 | 112.2 | 131.0 |
| Michigan                | 4,779   | 17,686  | 21,666  | 19,865  | 21,399  | 50.5                         | 186.2 | 226.9 | 207.0 | 223.0 |
| Minnesota               | 7,511   | 7,317   | 6,032   | 5,607   | 6,631   | 166.0                        | 160.2 | 130.9 | 120.4 | 142.4 |
| Mississippi             | NR      | NR      | 912     | 4,351   | 7,899   | .                            | .     | 33.8  | 160.2 | 290.8 |
| Missouri                | 11,624  | 12,249  | 12,110  | 11,959  | 12,308  | 222.0                        | 232.1 | 227.5 | 223.2 | 229.7 |
| Montana                 | 1,594   | 1,403   | 1,198   | 1,124   | 1,146   | 189.5                        | 163.9 | 137.7 | 127.8 | 130.3 |
| Nebraska                | 1,733   | 3,336   | 2,873   | 2,478   | 2,767   | 107.4                        | 205.5 | 175.5 | 150.0 | 167.5 |
| Nevada                  | 3,385   | 3,149   | 3,049   | 2,847   | 1,952   | 244.9                        | 216.1 | 199.3 | 177.6 | 121.8 |
| New Hampshire           | 1,164   | 967     | 898     | 732     | 816     | 103.5                        | 85.1  | 78.2  | 63.0  | 70.2  |
| New Jersey              | 2,742   | 1,831   | 4,056   | 12,273  | 10,347  | 34.9                         | 23.2  | 51.0  | 153.6 | 129.5 |
| New Mexico              | 4,747   | 5,037   | 4,285   | 4,007   | 4,021   | 293.8                        | 304.6 | 254.2 | 233.9 | 234.7 |
| New York <sup>1</sup>   | 15,320  | 26,472  | 26,686  | 26,455  | 28,468  | 209.1                        | 361.0 | 365.0 | 358.4 | 385.7 |
| North Carolina          | 15,456  | 17,796  | 15,780  | 15,078  | 17,108  | 222.3                        | 251.8 | 219.3 | 205.9 | 233.6 |
| North Dakota            | 933     | 1,079   | 1,324   | 1,016   | 902     | 146.5                        | 169.0 | 206.4 | 157.9 | 140.2 |
| Ohio                    | 25,987  | 32,475  | 29,124  | 20,653  | 22,827  | 234.9                        | 292.5 | 261.2 | 184.9 | 204.3 |
| Oklahoma                | 4,737   | 3,729   | 5,065   | 7,379   | 7,416   | 146.5                        | 114.5 | 154.5 | 223.5 | 224.7 |
| Oregon                  | 5,527   | 5,495   | 5,465   | 5,457   | 5,270   | 182.1                        | 178.0 | 174.0 | 170.3 | 164.5 |
| Pennsylvania            | 22,552  | 19,746  | 22,961  | 19,275  | 19,838  | 187.5                        | 163.8 | 190.2 | 159.9 | 164.5 |
| Rhode Island            | 2,214   | 2,095   | 1,902   | 1,833   | 2,069   | 221.5                        | 210.2 | 192.2 | 185.1 | 208.9 |
| South Carolina          | 8,063   | 8,153   | 8,591   | 9,391   | 12,511  | 222.1                        | 222.5 | 233.9 | 253.9 | 338.2 |
| South Dakota            | 1,645   | 1,427   | 1,313   | 1,538   | 1,450   | 229.5                        | 197.2 | 180.1 | 210.0 | 198.0 |
| Tennessee               | 5,684   | 6,787   | 13,154  | 13,125  | 12,502  | 111.6                        | 131.1 | 250.3 | 246.7 | 235.0 |
| Texas                   | 43,874  | 46,046  | 44,627  | 43,003  | 50,675  | 243.4                        | 250.5 | 238.3 | 224.8 | 264.9 |
| Utah                    | 1,589   | 1,801   | 1,676   | 1,598   | 1,774   | 85.4                         | 94.4  | 85.9  | 79.9  | 88.7  |
| Vermont                 | 514     | 522     | 462     | 398     | 434     | 89.3                         | 90.0  | 79.0  | 67.6  | 73.7  |
| Virginia                | 12,582  | 12,976  | 12,285  | 11,756  | 11,615  | 194.4                        | 198.1 | 185.6 | 176.1 | 174.0 |
| Washington              | 10,331  | 10,577  | 9,462   | 9,236   | 9,574   | 196.5                        | 198.0 | 174.2 | 166.9 | 173.0 |
| West Virginia           | 1,935   | 2,602   | 2,326   | 2,325   | 3,108   | 106.4                        | 142.8 | 127.2 | 127.3 | 170.2 |
| Wisconsin               | 11,671  | 11,769  | 8,955   | 10,290  | 9,554   | 231.4                        | 231.6 | 174.8 | 199.4 | 185.2 |
| Wyoming                 | 934     | 816     | 703     | 621     | 635     | 198.8                        | 171.4 | 146.4 | 129.0 | 131.9 |
| U.S. TOTAL <sup>2</sup> | 405,275 | 451,705 | 478,533 | 490,047 | 526,653 | 179.5                        | 194.5 | 190.4 | 192.6 | 207.0 |
| Northeast               | 62,035  | 68,040  | 71,951  | 75,039  | 77,086  | 153.4                        | 167.8 | 177.0 | 184.0 | 189.0 |
| Midwest                 | 110,370 | 134,093 | 127,547 | 116,784 | 119,372 | 180.8                        | 218.4 | 206.4 | 188.1 | 192.3 |
| South                   | 122,466 | 126,103 | 170,854 | 189,138 | 214,062 | 177.8                        | 170.3 | 185.9 | 203.2 | 229.9 |
| West                    | 110,404 | 123,469 | 108,181 | 109,086 | 116,133 | 199.1                        | 219.5 | 189.8 | 186.4 | 198.4 |
| Guam                    | 38      | 275     | 461     | 304     | 368     | 26.9                         | 194.9 | 326.7 | 215.4 | 260.8 |
| Puerto Rico             | 601     | 2,443   | 2,305   | 2,481   | 2,123   | 16.6                         | 66.3  | 62.0  | 66.7  | 57.1  |
| Virgin Islands          | 14      | 50      | 17      | 11      | 14      | 12.6                         | 45.1  | 15.3  | 9.9   | 12.6  |
| OUTLYING AREAS          | 653     | 2,768   | 2,783   | 2,796   | 2,505   | 16.9                         | 70.3  | 70.1  | 70.4  | 63.1  |
| TOTAL                   | 405,928 | 454,473 | 481,316 | 492,843 | 529,158 | 176.7                        | 192.4 | 188.5 | 190.7 | 204.7 |

\*NR = No report (see Appendix).

<sup>1</sup>New York's cases and rate are based on New York City. No cases were reported outside of New York City.

<sup>2</sup>Includes cases reported by Washington, D.C., and rates exclude population of states that did not report.

**Table 6. Chlamydia — Women — Reported cases and rates by state/area: United States and outlying areas, 1993–1997\***

| State/Area              | Cases   |         |         |         |         | Rates per 100,000 Population |       |       |       |       |
|-------------------------|---------|---------|---------|---------|---------|------------------------------|-------|-------|-------|-------|
|                         | 1993    | 1994    | 1995    | 1996    | 1997    | 1993                         | 1994  | 1995  | 1996  | 1997  |
| Alabama                 | NR      | 425     | 2,888   | 7,623   | 7,953   | .                            | 19.4  | 130.5 | 343.6 | 358.4 |
| Alaska                  | NR      | NR      | NR      | 1,071   | 1,290   | .                            | .     | .     | 372.3 | 448.4 |
| Arizona                 | 8,771   | 7,680   | 8,315   | 8,635   | 8,597   | 439.3                        | 372.6 | 389.8 | 386.3 | 384.6 |
| Arkansas                | 574     | 654     | 596     | 1,933   | 2,346   | 45.7                         | 51.5  | 46.4  | 149.2 | 181.1 |
| California              | 55,573  | 55,741  | 50,276  | 47,629  | 52,152  | 356.4                        | 354.8 | 318.3 | 299.3 | 327.7 |
| Colorado                | 50      | NG      | NG      | 5,692   | 5,478   | 2.8                          | .     | .     | 295.5 | 284.4 |
| Connecticut             | 6,783   | 6,288   | 5,624   | 5,321   | 5,030   | 401.4                        | 372.5 | 333.2 | 316.2 | 298.9 |
| Delaware                | 1,427   | 2,171   | 2,295   | 1,877   | 2,070   | 396.9                        | 595.9 | 623.4 | 505.1 | 557.1 |
| Florida                 | NR      | NR      | 18,251  | 20,160  | 21,953  | .                            | .     | 249.9 | 272.2 | 296.4 |
| Georgia                 | 3,460   | 148     | 10,263  | 11,744  | 13,927  | 97.5                         | 4.1   | 277.4 | 311.5 | 369.4 |
| Hawaii                  | 2,221   | 2,127   | 1,878   | 1,568   | 1,532   | 386.3                        | 365.6 | 320.2 | 267.4 | 261.3 |
| Idaho                   | 1,524   | 1,411   | 1,370   | 1,177   | 1,336   | 276.1                        | 248.4 | 235.1 | 197.9 | 224.7 |
| Illinois                | 20,655  | 21,660  | 20,443  | 21,111  | 17,302  | 344.1                        | 358.9 | 336.6 | 348.3 | 285.4 |
| Indiana                 | 8,417   | 8,637   | 7,564   | 8,592   | 7,819   | 286.8                        | 291.9 | 253.5 | 286.9 | 261.1 |
| Iowa                    | 4,317   | 4,405   | 4,210   | 3,443   | 3,900   | 297.4                        | 302.9 | 288.4 | 235.5 | 266.7 |
| Kansas                  | 4,699   | 5,225   | 4,453   | 3,744   | 3,335   | 364.3                        | 402.4 | 341.6 | 286.7 | 255.4 |
| Kentucky                | 4,985   | 5,009   | 5,995   | 5,604   | 5,128   | 254.9                        | 254.0 | 301.4 | 280.6 | 256.8 |
| Louisiana               | 9,701   | 8,540   | 7,569   | 9,490   | 9,414   | 435.7                        | 381.4 | 335.8 | 421.2 | 417.8 |
| Maine                   | 1,335   | 1,048   | 1,024   | 829     | 899     | 210.0                        | 164.7 | 160.7 | 130.3 | 141.3 |
| Maryland                | 4,545   | 6,036   | 9,150   | 10,249  | 11,969  | 178.3                        | 234.6 | 352.9 | 393.9 | 460.0 |
| Massachusetts           | 7,041   | 6,867   | 6,237   | 5,783   | 6,522   | 225.5                        | 219.1 | 198.1 | 183.5 | 206.9 |
| Michigan                | 3,876   | 14,938  | 18,750  | 16,851  | 18,289  | 79.7                         | 306.1 | 382.3 | 342.7 | 371.9 |
| Minnesota               | 5,908   | 5,689   | 4,681   | 4,328   | 4,953   | 256.7                        | 245.1 | 199.9 | 183.4 | 209.9 |
| Mississippi             | NR      | NR      | 849     | 3,677   | 6,823   | .                            | .     | 60.5  | 260.5 | 483.3 |
| Missouri                | 10,471  | 11,199  | 10,866  | 10,578  | 10,799  | 386.6                        | 410.4 | 395.0 | 383.1 | 391.1 |
| Montana                 | 1,311   | 1,143   | 995     | 899     | 941     | 309.8                        | 265.5 | 227.5 | 203.7 | 213.3 |
| Nebraska                | 1,422   | 2,661   | 2,346   | 2,020   | 2,288   | 172.1                        | 320.4 | 280.2 | 239.7 | 271.4 |
| Nevada                  | 2,860   | 2,668   | 2,649   | 2,463   | 1,663   | 421.2                        | 372.9 | 352.6 | 313.5 | 211.6 |
| New Hampshire           | 1,001   | 817     | 725     | 578     | 639     | 174.6                        | 141.0 | 124.0 | 98.0  | 108.3 |
| New Jersey              | 2,531   | 1,733   | 3,902   | 11,463  | 9,649   | 62.4                         | 42.5  | 95.2  | 278.8 | 234.7 |
| New Mexico              | 4,279   | 4,536   | 3,721   | 3,417   | 3,503   | 521.6                        | 540.6 | 435.2 | 393.8 | 403.7 |
| New York <sup>1</sup>   | 14,012  | 24,317  | 24,600  | 24,375  | 25,706  | 361.0                        | 626.0 | 635.4 | 625.0 | 659.1 |
| North Carolina          | 13,145  | 14,907  | 13,589  | 13,072  | 14,553  | 367.3                        | 409.6 | 366.8 | 347.3 | 386.6 |
| North Dakota            | 709     | 827     | 1,025   | 714     | 684     | 221.9                        | 258.2 | 318.6 | 221.6 | 212.3 |
| Ohio                    | 22,311  | 27,881  | 24,883  | 18,050  | 19,727  | 389.8                        | 485.5 | 431.6 | 313.2 | 342.3 |
| Oklahoma                | 4,266   | 3,305   | 4,467   | 6,269   | 6,262   | 257.5                        | 198.0 | 266.2 | 371.9 | 371.5 |
| Oregon                  | 4,325   | 4,023   | 4,145   | 4,095   | 3,848   | 280.8                        | 257.0 | 260.4 | 252.7 | 237.5 |
| Pennsylvania            | 19,850  | 17,418  | 20,290  | 17,227  | 17,257  | 317.3                        | 278.0 | 323.5 | 275.6 | 276.0 |
| Rhode Island            | 1,858   | 1,753   | 1,598   | 1,600   | 1,738   | 357.7                        | 338.5 | 310.8 | 311.5 | 338.3 |
| South Carolina          | 7,077   | 7,097   | 6,932   | 7,918   | 11,120  | 377.3                        | 374.7 | 364.8 | 414.2 | 581.7 |
| South Dakota            | 1,308   | 1,114   | 1,039   | 1,184   | 1,034   | 359.6                        | 303.3 | 280.8 | 318.9 | 278.5 |
| Tennessee               | 5,268   | 6,109   | 10,517  | 10,004  | 9,605   | 199.6                        | 227.9 | 386.5 | 364.1 | 349.6 |
| Texas                   | 37,472  | 39,314  | 38,517  | 37,240  | 42,750  | 409.9                        | 421.9 | 405.9 | 384.8 | 441.7 |
| Utah                    | 1,232   | 1,403   | 1,316   | 1,229   | 1,357   | 131.7                        | 146.3 | 134.2 | 122.4 | 135.2 |
| Vermont                 | 470     | 457     | 408     | 336     | 379     | 160.3                        | 154.8 | 137.2 | 112.5 | 126.9 |
| Virginia                | 11,363  | 12,086  | 11,253  | 10,630  | 10,220  | 344.3                        | 361.5 | 333.0 | 312.3 | 300.3 |
| Washington              | 8,093   | 8,458   | 7,508   | 7,194   | 7,368   | 305.6                        | 314.3 | 274.6 | 259.1 | 265.3 |
| West Virginia           | 1,697   | 2,271   | 1,961   | 1,894   | 2,590   | 179.8                        | 240.2 | 206.9 | 200.5 | 274.2 |
| Wisconsin               | 9,137   | 9,086   | 6,860   | 8,170   | 7,459   | 355.3                        | 350.9 | 262.9 | 311.7 | 284.6 |
| Wyoming                 | 758     | 681     | 560     | 521     | 536     | 324.1                        | 287.6 | 234.7 | 218.0 | 224.2 |
| U.S. TOTAL <sup>2</sup> | 344,774 | 372,903 | 400,802 | 413,035 | 436,350 | 298.4                        | 318.7 | 316.2 | 317.8 | 335.8 |
| Guam                    | 37      | 227     | 393     | 260     | 325     | 54.0                         | 331.5 | 573.9 | 379.7 | 474.6 |
| Puerto Rico             | 345     | 1,974   | 1,905   | 1,989   | 1,722   | 18.5                         | 103.9 | 99.3  | 103.7 | 89.8  |
| Virgin Islands          | 5       | 39      | 9       | 11      | 13      | 8.7                          | 67.7  | 15.6  | 19.1  | 22.6  |
| OUTLYING AREAS          | 387     | 2,240   | 2,307   | 2,260   | 2,060   | 19.4                         | 110.5 | 112.8 | 110.5 | 100.8 |
| TOTAL                   | 345,161 | 375,143 | 403,109 | 415,295 | 438,410 | 293.7                        | 315.2 | 313.0 | 314.6 | 332.1 |

\*NR = No report (see Appendix). NG = Not reported by gender.

<sup>1</sup>New York's cases and rate are based on New York City. No cases were reported outside of New York City.

<sup>2</sup>Includes cases reported by Washington, D.C., and rates exclude population of states that did not report.

NOTE: Cases and rates underestimated in some areas because of under-reporting or non-reporting by gender.

**Table 7. Chlamydia — Men — Reported cases and rates by state/area: United States and outlying areas, 1993–1997\***

| State/Area              | Cases  |        |        |        |        | Rates per 100,000 Population |       |       |       |       |
|-------------------------|--------|--------|--------|--------|--------|------------------------------|-------|-------|-------|-------|
|                         | 1993   | 1994   | 1995   | 1996   | 1997   | 1993                         | 1994  | 1995  | 1996  | 1997  |
| Alabama                 | NR     | 68     | 285    | 662    | 710    | .                            | 3.4   | 14.0  | 32.2  | 34.6  |
| Alaska                  | NR     | NR     | NR     | 289    | 325    | .                            | .     | .     | 90.5  | 101.8 |
| Arizona                 | 1,542  | 1,531  | 1,746  | 2,057  | 2,186  | 79.1                         | 76.0  | 83.7  | 93.8  | 99.7  |
| Arkansas                | 94     | 134    | 79     | 178    | 143    | 8.0                          | 11.3  | 6.6   | 14.7  | 11.8  |
| California              | 11,189 | 11,223 | 11,241 | 11,859 | 14,564 | 71.6                         | 71.4  | 71.2  | 74.3  | 91.2  |
| Colorado                | 1      | NG     | NG     | 1,585  | 1,711  | 0.1                          | .     | .     | 83.6  | 90.2  |
| Connecticut             | 827    | 858    | 816    | 948    | 1,034  | 52.1                         | 54.1  | 51.4  | 59.6  | 65.0  |
| Delaware                | 183    | 307    | 406    | 394    | 543    | 53.8                         | 89.0  | 116.3 | 111.5 | 153.7 |
| Florida                 | NR     | NR     | 4,043  | 4,603  | 4,835  | .                            | .     | 58.9  | 65.8  | 69.1  |
| Georgia                 | 757    | 20     | 930    | 1,811  | 1,962  | 22.6                         | 0.6   | 26.6  | 50.5  | 54.8  |
| Hawaii                  | 411    | 357    | 257    | 248    | 279    | 69.6                         | 59.8  | 42.8  | 41.5  | 46.7  |
| Idaho                   | 369    | 341    | 369    | 347    | 373    | 67.3                         | 60.4  | 63.6  | 58.4  | 62.7  |
| Illinois                | 2,769  | 2,923  | 4,202  | 3,319  | 5,722  | 48.7                         | 51.1  | 73.0  | 57.4  | 98.9  |
| Indiana                 | 1,617  | 1,709  | 1,537  | 1,742  | 1,773  | 58.4                         | 61.2  | 54.5  | 61.2  | 62.3  |
| Iowa                    | 897    | 1,008  | 879    | 722    | 1,007  | 65.5                         | 73.3  | 63.6  | 52.0  | 72.5  |
| Kansas                  | 1,116  | 1,166  | 860    | 705    | 668    | 89.6                         | 92.9  | 68.2  | 55.7  | 52.8  |
| Kentucky                | 494    | 621    | 909    | 1,201  | 1,182  | 26.9                         | 33.5  | 48.6  | 63.7  | 62.6  |
| Louisiana               | 2,506  | 2,110  | 1,542  | 1,530  | 2,131  | 121.4                        | 101.6 | 73.8  | 72.9  | 101.6 |
| Maine                   | 245    | 147    | 120    | 138    | 167    | 40.5                         | 24.3  | 19.9  | 22.7  | 27.5  |
| Maryland                | 612    | 673    | 1,228  | 1,652  | 1,794  | 25.5                         | 27.7  | 50.1  | 66.9  | 72.6  |
| Massachusetts           | 1,298  | 1,199  | 1,165  | 1,054  | 1,462  | 44.8                         | 41.2  | 39.8  | 35.8  | 49.7  |
| Michigan                | 903    | 2,748  | 2,916  | 3,014  | 3,110  | 19.6                         | 59.5  | 62.8  | 64.4  | 66.5  |
| Minnesota               | 1,503  | 1,628  | 1,351  | 1,279  | 1,678  | 67.6                         | 72.5  | 59.6  | 55.7  | 73.0  |
| Mississippi             | NR     | NR     | 63     | 639    | 1,008  | .                            | .     | 4.9   | 49.0  | 77.3  |
| Missouri                | 1,152  | 1,050  | 1,244  | 1,381  | 1,506  | 45.6                         | 41.2  | 48.4  | 53.2  | 58.0  |
| Montana                 | 283    | 260    | 203    | 180    | 198    | 67.7                         | 61.1  | 46.9  | 41.1  | 45.2  |
| Nebraska                | 310    | 647    | 526    | 452    | 474    | 39.4                         | 81.6  | 65.8  | 55.9  | 58.6  |
| Nevada                  | 525    | 480    | 400    | 384    | 289    | 74.7                         | 64.7  | 51.4  | 47.0  | 35.4  |
| New Hampshire           | 163    | 149    | 173    | 154    | 177    | 29.6                         | 26.7  | 30.7  | 26.9  | 30.9  |
| New Jersey              | 211    | 98     | 154    | 801    | 689    | 5.6                          | 2.6   | 4.0   | 20.7  | 17.8  |
| New Mexico              | 468    | 501    | 564    | 590    | 518    | 58.8                         | 61.5  | 67.9  | 69.8  | 61.3  |
| New York <sup>1</sup>   | 1,308  | 2,155  | 2,086  | 2,080  | 2,762  | 38.0                         | 62.5  | 60.6  | 59.8  | 79.3  |
| North Carolina          | 2,311  | 2,889  | 2,191  | 2,006  | 2,555  | 68.5                         | 84.2  | 62.8  | 56.4  | 71.8  |
| North Dakota            | 224    | 252    | 299    | 302    | 218    | 70.6                         | 79.2  | 93.5  | 94.0  | 67.8  |
| Ohio                    | 3,676  | 4,594  | 4,048  | 2,405  | 2,884  | 68.9                         | 85.7  | 75.2  | 44.5  | 53.3  |
| Oklahoma                | 424    | 418    | 598    | 1,110  | 1,154  | 26.9                         | 26.3  | 37.4  | 68.7  | 71.4  |
| Oregon                  | 1,202  | 1,472  | 1,320  | 1,362  | 1,422  | 80.4                         | 96.8  | 85.2  | 86.0  | 89.8  |
| Pennsylvania            | 2,702  | 2,328  | 2,671  | 2,048  | 2,581  | 46.8                         | 40.2  | 46.1  | 35.3  | 44.5  |
| Rhode Island            | 356    | 342    | 304    | 233    | 331    | 74.1                         | 71.4  | 63.9  | 48.9  | 69.5  |
| South Carolina          | 887    | 836    | 813    | 881    | 1,215  | 50.6                         | 47.2  | 45.9  | 49.3  | 68.0  |
| South Dakota            | 337    | 313    | 274    | 354    | 415    | 95.4                         | 87.8  | 76.3  | 98.0  | 114.9 |
| Tennessee               | 416    | 678    | 2,637  | 3,121  | 2,897  | 16.9                         | 27.2  | 104.0 | 121.3 | 112.6 |
| Texas                   | 6,402  | 6,732  | 6,110  | 5,763  | 7,925  | 72.1                         | 74.3  | 66.2  | 61.0  | 83.9  |
| Utah                    | 357    | 398    | 360    | 368    | 417    | 38.6                         | 41.9  | 37.1  | 36.9  | 41.8  |
| Vermont                 | 44     | 65     | 54     | 62     | 55     | 15.6                         | 22.8  | 18.8  | 21.4  | 19.0  |
| Virginia                | 1,219  | 834    | 989    | 1,109  | 1,265  | 38.4                         | 26.0  | 30.5  | 33.9  | 38.7  |
| Washington              | 2,238  | 2,119  | 1,954  | 2,042  | 2,206  | 85.7                         | 79.9  | 72.5  | 74.1  | 80.0  |
| West Virginia           | 238    | 323    | 359    | 429    | 515    | 27.2                         | 36.8  | 40.8  | 48.7  | 58.4  |
| Wisconsin               | 2,534  | 2,683  | 2,095  | 2,120  | 2,095  | 102.5                        | 107.7 | 83.3  | 83.5  | 82.5  |
| Wyoming                 | 176    | 135    | 143    | 100    | 99     | 74.6                         | 56.4  | 59.2  | 41.3  | 40.8  |
| U.S. TOTAL <sup>2</sup> | 59,607 | 63,665 | 69,729 | 74,047 | 87,640 | 54.0                         | 57.0  | 57.7  | 59.5  | 70.4  |
| Guam                    | 1      | 48     | 68     | 44     | 43     | 1.4                          | 66.1  | 93.6  | 60.6  | 59.2  |
| Puerto Rico             | 256    | 469    | 400    | 492    | 401    | 14.6                         | 26.3  | 22.2  | 27.3  | 22.3  |
| Virgin Islands          | 9      | 11     | 8      | NR     | 1      | 16.9                         | 20.7  | 15.0  | .     | 1.9   |
| OUTLYING AREAS          | 266    | 528    | 476    | 536    | 445    | 14.2                         | 27.6  | 24.7  | 28.6  | 23.1  |
| TOTAL                   | 59,873 | 64,193 | 70,205 | 74,583 | 88,085 | 53.4                         | 56.5  | 57.2  | 59.0  | 69.7  |

\*NR = No report (see Appendix). NG = Not reported by gender.

<sup>1</sup>New York's cases and rate are based on New York City. No cases were reported outside of New York City.

<sup>2</sup>Includes cases reported by Washington, D.C., and rates exclude population of states that did not report.

NOTE: Cases and rates underestimated in some areas because of under-reporting or non-reporting by gender.

**Table 8. Chlamydia — Reported cases and rates in selected cities of >200,000 population, ranked according to rates: United States and outlying areas, 1997\***

| <i>Rank</i> | <i>City</i>        | <i>Cases</i> | <i>Rate per 100,000 Population</i> |
|-------------|--------------------|--------------|------------------------------------|
| 1           | Richmond, VA       | 2,181        | 1,100.0                            |
| 2           | Baltimore, MD      | 6,066        | 898.1                              |
| 3           | St Louis, MO       | 2,655        | 755.2                              |
| 4           | Kansas City, MO    | 3,241        | 726.7                              |
| 5           | Philadelphia, PA   | 10,480       | 709.1                              |
| 6           | Detroit, MI        | 7,222        | 691.5                              |
| 7           | Minneapolis, MN    | 2,473        | 641.7                              |
| 8           | New Orleans, LA    | 2,869        | 601.9                              |
| 9           | Atlanta, GA        | 4,208        | 585.8                              |
| 10          | Newark, NJ         | 1,669        | 584.3                              |
| 11          | Washington, DC     | 3,069        | 565.0                              |
| 12          | Milwaukee, WI      | 5,121        | 555.3                              |
| 13          | Denver, CO         | 2,569        | 516.0                              |
| 14          | Oklahoma City, OK  | 2,261        | 513.0                              |
| 15          | Memphis, TN        | 4,244        | 489.3                              |
| 16          | Indianapolis, IN   | 3,693        | 451.7                              |
| 17          | Boston, MA         | 2,450        | 438.1                              |
| 18          | Austin, TX         | 2,977        | 435.3                              |
| 19          | St Paul, MN        | 1,112        | 402.7                              |
| 20          | Dallas, TX         | 7,990        | 399.5                              |
| 21          | Tulsa, OK          | 1,478        | 386.2                              |
| 22          | Norfolk, VA        | 901          | 386.0                              |
| 23          | New York City, NY  | 28,468       | 385.7                              |
| 24          | Portland, OR       | 1,844        | 374.0                              |
| 25          | San Antonio, TX    | 4,838        | 367.0                              |
| 26          | Birmingham, AL     | 2,373        | 358.5                              |
| 27          | Houston, TX        | 10,756       | 344.0                              |
| 28          | Nashville, TN      | 1,820        | 340.2                              |
| 29          | Jacksonville, FL   | 2,402        | 333.1                              |
| 30          | Chicago, IL        | 9,375        | 320.5                              |
| 31          | Tampa, FL          | 2,836        | 316.0                              |
| 32          | Sacramento, CA     | 3,499        | 313.2                              |
| 33          | Corpus Christi, TX | 986          | 312.3                              |
| 34          | Omaha, NE          | 1,366        | 311.3                              |
| 35          | Albuquerque, NM    | 1,635        | 310.5                              |
| 36          | Columbus, OH       | 3,133        | 309.1                              |
| 37          | Cincinnati, OH     | 2,617        | 305.1                              |
| 38          | San Francisco, CA  | 2,243        | 305.0                              |
| 39          | Oakland, CA        | 3,419        | 281.6                              |
| 40          | Los Angeles, CA    | 23,346       | 273.3                              |
| 41          | Jersey City, NJ    | 553          | 254.9                              |
| 42          | Phoenix, AZ        | 6,580        | 252.0                              |
| 43          | Tucson, AZ         | 1,888        | 245.9                              |
| 44          | San Diego, CA      | 6,397        | 240.9                              |
| 45          | Louisville, KY     | 1,598        | 237.4                              |
| 46          | Wichita, KS        | 996          | 235.8                              |
| 47          | Pittsburgh, PA     | 2,879        | 222.1                              |
| 48          | Cleveland, OH      | 3,056        | 218.0                              |
| 49          | El Paso, TX        | 1,439        | 210.2                              |
| 50          | St Petersburg, FL  | 1,789        | 205.9                              |
| 51          | Seattle, WA        | 3,201        | 197.7                              |
| 52          | Fort Worth, TX     | 2,402        | 184.0                              |
| 53          | Charlotte, NC      | 1,049        | 175.5                              |
| 54          | Miami, FL          | 3,579        | 172.4                              |
| 55          | San Jose, CA       | 2,751        | 172.0                              |
| 56          | Honolulu, HI       | 1,471        | 168.7                              |
| 57          | Akron, OH          | 852          | 160.6                              |
| 58          | Des Moines, IA     | 567          | 160.1                              |
| 59          | Dayton, OH         | 813          | 143.6                              |
| 60          | Toledo, OH         | 528          | 116.6                              |
| 61          | San Juan, PR       | 739          | 84.7                               |
| 62          | Buffalo, NY        | NR           | .                                  |
| 63          | Rochester, NY      | NR           | .                                  |
| 64          | Yonkers, NY        | NR           | .                                  |

\*NR = No report (see Appendix).

**Table 9. Chlamydia — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997\***

| City                         | Cases   |         |         |         |         | Rates per 100,000 Population |       |         |         |         |
|------------------------------|---------|---------|---------|---------|---------|------------------------------|-------|---------|---------|---------|
|                              | 1993    | 1994    | 1995    | 1996    | 1997    | 1993                         | 1994  | 1995    | 1996    | 1997    |
| Akron, OH                    | 1,805   | 2,132   | 1,457   | 711     | 852     | 343.7                        | 403.8 | 274.8   | 134.0   | 160.6   |
| Albuquerque, NM              | 2,145   | 2,080   | 1,651   | 1,624   | 1,635   | 423.3                        | 403.4 | 316.1   | 308.4   | 310.5   |
| Atlanta, GA                  | 1,308   | NR      | 4,411   | 4,091   | 4,208   | 193.3                        | .     | 629.5   | 569.5   | 585.8   |
| Austin, TX                   | 2,060   | 2,572   | 2,977   | 2,699   | 2,977   | 326.7                        | 397.9 | 447.8   | 394.6   | 435.3   |
| Baltimore, MD                | 3,576   | 3,638   | 5,638   | 4,812   | 6,066   | 499.9                        | 517.5 | 815.8   | 712.5   | 898.1   |
| Birmingham, AL               | NR      | 273     | 992     | 2,349   | 2,373   | .                            | 41.6  | 150.8   | 354.9   | 358.5   |
| Boston, MA                   | 2,668   | 2,452   | 2,179   | 1,985   | 2,450   | 482.9                        | 446.6 | 392.0   | 354.9   | 438.1   |
| Buffalo, NY                  | NR      | NR      | NR      | NR      | NR      | .                            | .     | .       | .       | .       |
| Charlotte, NC                | NR      | NR      | 1,063   | 803     | 1,049   | .                            | .     | 183.4   | 134.4   | 175.5   |
| Chicago, IL                  | 11,171  | 11,984  | 11,687  | 12,356  | 9,375   | 378.6                        | 406.1 | 396.4   | 422.4   | 320.5   |
| Cincinnati, OH               | 2,614   | 2,885   | 2,846   | 1,699   | 2,617   | 300.1                        | 332.5 | 329.4   | 198.1   | 305.1   |
| Cleveland, OH                | 3,578   | 7,036   | 5,770   | 3,465   | 3,056   | 254.1                        | 501.4 | 412.7   | 247.2   | 218.0   |
| Columbus, OH                 | 5,198   | 5,380   | 3,500   | 2,267   | 3,133   | 520.0                        | 535.2 | 346.2   | 223.6   | 309.1   |
| Corpus Christi, TX           | 538     | 567     | 1,167   | 1,070   | 986     | 176.1                        | 182.4 | 373.2   | 338.9   | 312.3   |
| Dallas, TX                   | 4,528   | 3,909   | 5,115   | 5,309   | 7,990   | 235.0                        | 201.3 | 261.1   | 265.4   | 399.5   |
| Dayton, OH                   | 1,344   | 1,372   | 869     | 509     | 813     | 233.4                        | 239.8 | 152.3   | 89.9    | 143.6   |
| Denver, CO                   | 17      | NR      | NR      | 2,563   | 2,569   | 3.4                          | .     | .       | 514.8   | 516.0   |
| Des Moines, IA               | 627     | 692     | 699     | 727     | 567     | 183.0                        | 200.1 | 200.0   | 205.3   | 160.1   |
| Detroit, MI                  | 193     | 4,496   | 9,026   | 7,460   | 7,222   | 18.1                         | 425.3 | 857.7   | 714.3   | 691.5   |
| El Paso, TX                  | 2,123   | 2,238   | 1,245   | 2,457   | 1,439   | 328.2                        | 336.6 | 183.5   | 359.0   | 210.2   |
| Fort Worth, TX               | 1,464   | 2,437   | 2,540   | 1,864   | 2,402   | 118.7                        | 193.8 | 198.7   | 142.8   | 184.0   |
| Honolulu, HI                 | 2,333   | 2,147   | 1,738   | 1,473   | 1,471   | 269.2                        | 245.6 | 198.1   | 169.0   | 168.7   |
| Houston, TX                  | 9,174   | 9,377   | 8,075   | 8,488   | 10,756  | 305.2                        | 307.9 | 262.4   | 271.4   | 344.0   |
| Indianapolis, IN             | 5,092   | 5,049   | 4,662   | 4,814   | 3,693   | 624.8                        | 617.2 | 570.2   | 588.9   | 451.7   |
| Jacksonville, FL             | NR      | NR      | 1,611   | 2,431   | 2,402   | .                            | .     | 229.6   | 337.1   | 333.1   |
| Jersey City, NJ              | 37      | 83      | 182     | 647     | 553     | 16.9                         | 38.0  | 83.7    | 297.4   | 254.9   |
| Kansas City, MO              | 1,675   | 1,839   | 1,997   | 3,165   | 3,241   | 383.1                        | 419.9 | 455.3   | 709.7   | 726.7   |
| Los Angeles, CA              | 19,832  | 20,459  | 18,659  | 20,196  | 23,346  | 232.0                        | 238.9 | 218.1   | 236.4   | 273.3   |
| Louisville, KY               | 1,264   | 1,130   | 1,618   | 1,761   | 1,598   | 188.3                        | 168.1 | 240.4   | 261.6   | 237.4   |
| Memphis, TN                  | 1,768   | 2,489   | 3,728   | 4,474   | 4,244   | 208.4                        | 290.2 | 431.0   | 515.8   | 489.3   |
| Miami, FL                    | NR      | NR      | 2,004   | 2,606   | 3,579   | .                            | .     | 98.7    | 125.5   | 172.4   |
| Milwaukee, WI                | 2,940   | 5,452   | 4,332   | 5,568   | 5,121   | 310.5                        | 581.2 | 465.2   | 603.7   | 555.3   |
| Minneapolis, MN              | 2,378   | 2,394   | 1,922   | 1,922   | 2,473   | 624.8                        | 626.1 | 501.2   | 498.7   | 641.7   |
| Nashville, TN                | 1,223   | 1,190   | 1,926   | 1,965   | 1,820   | 234.4                        | 225.7 | 362.8   | 367.3   | 340.2   |
| New Orleans, LA              | 3,144   | 2,733   | 3,107   | 4,140   | 2,869   | 645.2                        | 564.5 | 644.7   | 868.6   | 601.9   |
| New York City, NY            | 15,320  | 26,472  | 26,686  | 26,455  | 28,468  | 209.1                        | 361.0 | 365.0   | 358.4   | 385.7   |
| Newark, NJ                   | 545     | 292     | 1,077   | 1,944   | 1,669   | 186.7                        | 100.7 | 374.6   | 679.3   | 584.3   |
| Norfolk, VA                  | 949     | 944     | 832     | 801     | 901     | 385.3                        | 391.0 | 350.2   | 343.1   | 386.0   |
| Oakland, CA                  | 1,284   | 2,679   | 3,462   | 3,375   | 3,419   | 106.8                        | 222.1 | 286.2   | 278.0   | 281.6   |
| Oklahoma City, OK            | 1,855   | 1,528   | 1,232   | 2,154   | 2,261   | 429.6                        | 350.5 | 281.8   | 488.7   | 513.0   |
| Omaha, NE                    | 892     | 1,808   | 1,335   | 819     | 1,366   | 208.3                        | 420.2 | 307.5   | 186.6   | 311.3   |
| Philadelphia, PA             | 10,053  | 9,957   | 8,079   | 8,118   | 10,480  | 653.2                        | 653.2 | 539.0   | 549.3   | 709.1   |
| Phoenix, AZ                  | 5,732   | 5,218   | 5,896   | 6,342   | 6,580   | 252.6                        | 222.4 | 242.4   | 242.9   | 252.0   |
| Pittsburgh, PA               | 3,195   | 3,294   | 2,865   | 2,494   | 2,879   | 240.4                        | 249.4 | 218.7   | 192.4   | 222.1   |
| Portland, OR                 | 2,105   | 2,072   | 1,945   | 1,937   | 1,844   | 438.2                        | 429.3 | 401.4   | 392.9   | 374.0   |
| Richmond, VA                 | 1,033   | 994     | 2,150   | 2,036   | 2,181   | 511.3                        | 493.3 | 1,084.3 | 1,026.9 | 1,100.0 |
| Rochester, NY                | NR      | NR      | NR      | NR      | NR      | .                            | .     | .       | .       | .       |
| Sacramento, CA               | 1,631   | 2,443   | 3,762   | 3,584   | 3,499   | 148.7                        | 222.5 | 340.9   | 320.8   | 313.2   |
| San Antonio, TX              | 4,447   | 4,519   | 4,348   | 4,338   | 4,838   | 353.9                        | 353.0 | 335.3   | 329.1   | 367.0   |
| San Diego, CA                | 7,250   | 6,387   | 5,250   | 5,642   | 6,397   | 277.6                        | 242.7 | 198.6   | 212.5   | 240.9   |
| San Francisco, CA            | 2,196   | 2,120   | 2,008   | 1,819   | 2,243   | 299.7                        | 288.6 | 274.9   | 247.4   | 305.0   |
| San Jose, CA                 | 2,645   | 3,900   | 2,838   | 2,971   | 2,751   | 171.3                        | 250.4 | 181.3   | 185.7   | 172.0   |
| Seattle, WA                  | 3,351   | 3,578   | 3,286   | 3,229   | 3,201   | 212.3                        | 225.4 | 206.0   | 199.4   | 197.7   |
| St Louis, MO                 | 2,850   | 3,013   | 2,796   | 2,386   | 2,655   | 757.4                        | 818.3 | 779.5   | 678.7   | 755.2   |
| St Paul, MN                  | 1,133   | 1,119   | 1,027   | 1,054   | 1,112   | 410.0                        | 406.1 | 373.7   | 381.7   | 402.7   |
| St Petersburg, FL            | NR      | NR      | 1,579   | 1,522   | 1,789   | .                            | .     | 181.3   | 175.2   | 205.9   |
| Tampa, FL                    | NR      | NR      | 2,063   | 2,083   | 2,836   | .                            | .     | 233.2   | 232.1   | 316.0   |
| Toledo, OH                   | 1,767   | 2,181   | 968     | 484     | 528     | 385.2                        | 476.6 | 212.7   | 106.9   | 116.6   |
| Tucson, AZ                   | 2,073   | 1,847   | 1,915   | 2,201   | 1,888   | 292.0                        | 252.5 | 254.5   | 286.6   | 245.9   |
| Tulsa, OK                    | 1,191   | 831     | 1,028   | 1,663   | 1,478   | 316.7                        | 220.0 | 271.9   | 434.5   | 386.2   |
| Washington, DC               | 797     | 1,083   | 1,665   | 1,998   | 3,069   | 137.9                        | 191.0 | 300.4   | 367.8   | 565.0   |
| Wichita, KS                  | 1,362   | 1,642   | 1,324   | 1,086   | 996     | 325.3                        | 391.5 | 315.7   | 257.1   | 235.8   |
| Yonkers, NY                  | NR      | NR      | NR      | NR      | NR      | .                            | .     | .       | .       | .       |
| U.S. CITY TOTAL <sup>1</sup> | 173,473 | 200,406 | 211,809 | 217,005 | 232,273 | 280.1                        | 324.8 | 313.2   | 316.0   | 338.2   |
| San Juan, PR                 | 377     | 821     | 742     | 916     | 739     | 43.2                         | 94.1  | 85.1    | 105.0   | 84.7    |
| TOTAL                        | 173,850 | 201,227 | 212,551 | 217,921 | 233,012 | 276.8                        | 321.6 | 310.3   | 313.3   | 335.0   |

\*NR = No report (see Appendix).

<sup>1</sup>Rates exclude population of cities that did not report.

**Table 10. Chlamydia — Women — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997\***

| City                         | Cases   |         |         |         |         | Rates per 100,000 Population |         |         |         |         |
|------------------------------|---------|---------|---------|---------|---------|------------------------------|---------|---------|---------|---------|
|                              | 1993    | 1994    | 1995    | 1996    | 1997    | 1993                         | 1994    | 1995    | 1996    | 1997    |
| Akron, OH                    | 1,523   | 1,804   | 1,265   | 616     | 666     | 556.8                        | 656.4   | 458.5   | 223.4   | 241.6   |
| Albuquerque, NM              | 1,895   | 1,876   | 1,403   | 1,332   | 1,386   | 730.9                        | 711.5   | 525.3   | 495.3   | 515.3   |
| Atlanta, GA                  | 1,035   | NR      | 4,084   | 3,190   | 3,596   | 292.5                        | .       | 1,115.0 | 850.8   | 959.1   |
| Austin, TX                   | 1,816   | 2,257   | 2,600   | 2,257   | 2,468   | 575.9                        | 698.5   | 782.5   | 658.1   | 719.6   |
| Baltimore, MD                | 3,250   | 3,327   | 5,197   | 4,442   | 5,607   | 851.8                        | 886.9   | 1,408.7 | 1,231.7 | 1,554.7 |
| Birmingham, AL               | NR      | 231     | 867     | 2,258   | 2,270   | .                            | 66.0    | 247.5   | 641.7   | 645.1   |
| Boston, MA                   | 2,150   | 1,966   | 1,696   | 1,584   | 1,842   | 749.8                        | 689.9   | 588.0   | 547.1   | 636.3   |
| Buffalo, NY                  | NR      | NR      | NR      | NR      | NR      | .                            | .       | .       | .       | .       |
| Charlotte, NC                | NR      | NR      | 926     | 702     | 576     | .                            | .       | 308.1   | 226.9   | 186.2   |
| Chicago, IL                  | 10,152  | 10,927  | 9,720   | 11,428  | 6,362   | 662.8                        | 713.5   | 635.2   | 755.1   | 420.4   |
| Cincinnati, OH               | 2,224   | 2,370   | 2,176   | 1,538   | 2,349   | 484.9                        | 518.8   | 478.5   | 341.2   | 521.2   |
| Cleveland, OH                | 3,186   | 6,163   | 5,050   | 3,059   | 2,672   | 426.9                        | 828.8   | 681.7   | 412.6   | 360.4   |
| Columbus, OH                 | 4,144   | 4,239   | 2,862   | 1,830   | 2,666   | 800.8                        | 814.5   | 546.8   | 349.1   | 508.6   |
| Corpus Christi, TX           | 399     | 430     | 978     | 888     | 802     | 255.5                        | 270.6   | 611.9   | 552.1   | 498.6   |
| Dallas, TX                   | 4,023   | 3,445   | 3,950   | 4,123   | 6,159   | 411.2                        | 349.6   | 397.5   | 406.0   | 606.5   |
| Dayton, OH                   | 1,212   | 1,244   | 787     | 471     | 756     | 404.2                        | 417.6   | 265.0   | 160.0   | 256.8   |
| Denver, CO                   | 17      | NR      | NR      | 1,907   | 1,928   | 6.7                          | .       | .       | 745.8   | 754.0   |
| Des Moines, IA               | 520     | 566     | 571     | 583     | 430     | 290.5                        | 313.4   | 313.1   | 316.1   | 233.1   |
| Detroit, MI                  | 169     | 4,138   | 8,009   | 6,409   | 6,359   | 30.2                         | 744.1   | 1,446.8 | 1,168.1 | 1,159.0 |
| El Paso, TX                  | 1,857   | 2,011   | 1,112   | 2,241   | 1,263   | 557.0                        | 586.5   | 317.7   | 636.3   | 358.6   |
| Fort Worth, TX               | 946     | 1,905   | 2,069   | 1,586   | 1,968   | 151.9                        | 300.1   | 320.6   | 240.1   | 297.9   |
| Honolulu, HI                 | 1,936   | 1,830   | 1,502   | 1,244   | 1,222   | 453.1                        | 424.0   | 346.3   | 287.9   | 282.8   |
| Houston, TX                  | 7,409   | 7,665   | 7,388   | 7,811   | 9,326   | 490.3                        | 501.0   | 478.1   | 497.0   | 593.4   |
| Indianapolis, IN             | 3,989   | 3,902   | 3,629   | 3,718   | 2,680   | 932.9                        | 909.4   | 846.6   | 868.3   | 625.9   |
| Jacksonville, FL             | NR      | NR      | 1,275   | 1,840   | 1,753   | .                            | .       | 354.4   | 494.6   | 471.2   |
| Jersey City, NJ              | 33      | 83      | 176     | 628     | 536     | 29.3                         | 73.7    | 156.9   | 561.1   | 479.9   |
| Kansas City, MO              | 1,524   | 1,705   | 1,848   | 2,890   | 2,915   | 665.4                        | 743.3   | 804.8   | 1,240.3 | 1,251.0 |
| Los Angeles, CA              | 16,627  | 17,112  | 15,119  | 15,813  | 17,911  | 387.4                        | 397.6   | 351.5   | 370.0   | 419.1   |
| Louisville, KY               | 1,172   | 1,022   | 1,343   | 1,345   | 1,248   | 330.6                        | 287.9   | 378.0   | 379.3   | 352.0   |
| Memphis, TN                  | 1,671   | 2,256   | 3,090   | 3,427   | 3,325   | 376.1                        | 502.4   | 682.4   | 755.7   | 733.2   |
| Miami, FL                    | NR      | NR      | 1,519   | 2,106   | 2,884   | .                            | .       | 143.2   | 195.4   | 267.6   |
| Milwaukee, WI                | 2,268   | 4,300   | 3,275   | 4,574   | 4,051   | 455.9                        | 872.7   | 669.7   | 946.2   | 838.0   |
| Minneapolis, MN              | 1,767   | 1,791   | 1,442   | 1,437   | 1,710   | 901.1                        | 909.3   | 730.4   | 725.6   | 863.4   |
| Nashville, TN                | 1,077   | 1,022   | 1,431   | 1,428   | 1,308   | 393.0                        | 369.3   | 513.6   | 509.2   | 466.4   |
| New Orleans, LA              | 1,962   | 1,840   | 2,438   | 3,593   | 2,266   | 751.2                        | 708.8   | 943.0   | 1,406.5 | 887.0   |
| New York City, NY            | 14,012  | 24,317  | 24,600  | 24,375  | 25,706  | 361.0                        | 626.0   | 635.4   | 625.0   | 659.1   |
| Newark, NJ                   | 529     | 284     | 1,022   | 1,887   | 1,615   | 343.6                        | 185.7   | 674.5   | 1,254.8 | 1,075.1 |
| Norfolk, VA                  | 882     | 895     | 768     | 705     | 802     | 760.5                        | 783.7   | 681.0   | 624.7   | 710.6   |
| Oakland, CA                  | NR      | 825     | 2,940   | 2,793   | 2,715   | .                            | 134.4   | 477.2   | 451.1   | 438.5   |
| Oklahoma City, OK            | 1,677   | 1,350   | 1,069   | 1,887   | 1,984   | 748.5                        | 596.8   | 471.6   | 827.6   | 870.1   |
| Omaha, NE                    | 726     | 1,435   | 1,079   | 682     | 1,120   | 327.3                        | 644.3   | 480.4   | 300.9   | 494.2   |
| Philadelphia, PA             | 9,376   | 9,095   | 7,446   | 7,483   | 9,300   | 1,138.3                      | 1,114.9 | 927.9   | 945.8   | 1,175.5 |
| Phoenix, AZ                  | 4,845   | 4,247   | 4,813   | 4,937   | 5,064   | 421.0                        | 357.1   | 390.5   | 373.7   | 383.3   |
| Pittsburgh, PA               | 2,587   | 2,674   | 2,353   | 2,064   | 2,416   | 366.8                        | 381.6   | 338.6   | 300.3   | 351.5   |
| Portland, OR                 | 1,569   | 1,460   | 1,444   | 1,410   | 1,248   | 636.9                        | 590.0   | 581.5   | 558.9   | 494.7   |
| Richmond, VA                 | 926     | 913     | 1,955   | 1,835   | 1,936   | 842.2                        | 831.3   | 1,807.4 | 1,697.0 | 1,790.4 |
| Rochester, NY                | NR      | NR      | NR      | NR      | NR      | .                            | .       | .       | .       | .       |
| Sacramento, CA               | NR      | 767     | 2,899   | 2,855   | 2,750   | .                            | 136.9   | 515.2   | 499.9   | 481.5   |
| San Antonio, TX              | 3,956   | 3,895   | 3,785   | 3,775   | 4,093   | 610.9                        | 590.4   | 566.3   | 555.7   | 602.5   |
| San Diego, CA                | NR      | NR      | 4,034   | 4,143   | 4,733   | .                            | .       | 309.5   | 312.3   | 356.8   |
| San Francisco, CA            | 1,697   | 1,637   | 1,535   | 1,324   | 1,426   | 462.0                        | 443.6   | 417.7   | 356.2   | 383.7   |
| San Jose, CA                 | NR      | NR      | 2,234   | 2,414   | 2,135   | .                            | .       | 288.7   | 305.4   | 270.1   |
| Seattle, WA                  | 2,546   | 2,755   | 2,474   | 2,352   | 2,296   | 318.3                        | 342.3   | 306.0   | 287.2   | 280.4   |
| St Louis, MO                 | 2,664   | 2,810   | 2,609   | 2,194   | 2,447   | 1,300.1                      | 1,402.0 | 1,336.4 | 1,149.3 | 1,281.8 |
| St Paul, MN                  | 861     | 824     | 784     | 782     | 830     | 597.5                        | 573.7   | 547.5   | 544.7   | 578.1   |
| St Petersburg, FL            | NR      | NR      | 1,346   | 1,213   | 1,486   | .                            | .       | 290.1   | 262.6   | 321.6   |
| Tampa, FL                    | NR      | NR      | 1,646   | 1,707   | 2,371   | .                            | .       | 362.8   | 371.7   | 516.2   |
| Toledo, OH                   | 1,460   | 1,926   | 805     | 420     | 480     | 609.2                        | 805.7   | 338.8   | 177.9   | 203.4   |
| Tucson, AZ                   | 1,726   | 1,533   | 1,545   | 1,796   | 1,510   | 475.6                        | 410.2   | 401.9   | 459.2   | 386.1   |
| Tulsa, OK                    | 1,098   | 774     | 946     | 1,375   | 1,172   | 564.0                        | 395.9   | 483.7   | 696.4   | 593.6   |
| Washington, DC               | 686     | 940     | 1,449   | 1,764   | 2,658   | 222.7                        | 310.8   | 490.0   | 610.7   | 920.3   |
| Wichita, KS                  | 1,081   | 1,253   | 1,036   | 878     | 800     | 506.5                        | 586.4   | 485.0   | 408.1   | 371.8   |
| Yonkers, NY                  | NR      | NR      | NR      | NR      | NR      | .                            | .       | .       | .       | .       |
| U.S. CITY TOTAL <sup>1</sup> | 136,857 | 160,036 | 179,413 | 183,348 | 190,353 | 477.7                        | 539.1   | 515.0   | 518.8   | 538.6   |
| San Juan, PR                 | 196     | 606     | 560     | 681     | 580     | 40.9                         | 126.3   | 116.7   | 142.0   | 120.9   |
| TOTAL                        | 137,053 | 160,642 | 179,973 | 184,029 | 190,933 | 470.5                        | 532.5   | 509.5   | 513.7   | 533.0   |

\*NR = No report (see Appendix).

<sup>1</sup>Rates exclude population of cities that did not report.

**Table 11. Chlamydia — Men — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997\***

| City                         | Cases  |        |        |        |        | Rates per 100,000 Population |       |       |       |       |
|------------------------------|--------|--------|--------|--------|--------|------------------------------|-------|-------|-------|-------|
|                              | 1993   | 1994   | 1995   | 1996   | 1997   | 1993                         | 1994  | 1995  | 1996  | 1997  |
| Akron, OH                    | 282    | 328    | 191    | 92     | 179    | 112.0                        | 129.6 | 75.1  | 36.1  | 70.2  |
| Albuquerque, NM              | 250    | 204    | 248    | 292    | 249    | 101.0                        | 81.0  | 97.2  | 113.3 | 96.6  |
| Atlanta, GA                  | 273    | NR     | 327    | 899    | 597    | 84.6                         | .     | 97.8  | 261.8 | 173.8 |
| Austin, TX                   | 244    | 315    | 377    | 442    | 509    | 77.4                         | 97.4  | 113.4 | 129.6 | 149.3 |
| Baltimore, MD                | 326    | 311    | 441    | 370    | 459    | 97.7                         | 94.9  | 136.9 | 117.6 | 145.8 |
| Birmingham, AL               | NR     | 33     | 116    | 85     | 101    | .                            | 10.8  | 37.7  | 27.4  | 32.6  |
| Boston, MA                   | 518    | 486    | 483    | 401    | 608    | 194.9                        | 184.0 | 180.6 | 148.6 | 225.4 |
| Buffalo, NY                  | NR     | NR     | NR     | NR     | NR     | .                            | .     | .     | .     | .     |
| Charlotte, NC                | NR     | NR     | 137    | 101    | 174    | .                            | .     | 49.1  | 35.0  | 60.4  |
| Chicago, IL                  | 1,019  | 1,057  | 1,967  | 928    | 3,013  | 71.8                         | 74.5  | 138.7 | 65.7  | 213.4 |
| Cincinnati, OH               | 390    | 515    | 656    | 155    | 247    | 94.6                         | 125.3 | 160.3 | 38.1  | 60.7  |
| Cleveland, OH                | 392    | 873    | 697    | 392    | 365    | 59.2                         | 132.4 | 106.0 | 59.4  | 55.3  |
| Columbus, OH                 | 1,054  | 1,141  | 617    | 429    | 459    | 218.6                        | 235.4 | 126.5 | 87.6  | 93.8  |
| Corpus Christi, TX           | 139    | 137    | 189    | 182    | 184    | 93.1                         | 90.1  | 123.6 | 117.5 | 118.8 |
| Dallas, TX                   | 505    | 464    | 1,165  | 1,186  | 1,831  | 53.2                         | 48.5  | 120.6 | 120.4 | 185.9 |
| Dayton, OH                   | 132    | 128    | 79     | 36     | 54     | 47.8                         | 46.7  | 28.9  | 13.2  | 19.9  |
| Denver, CO                   | NR     | NR     | NR     | 655    | 636    | .                            | .     | .     | 270.5 | 262.6 |
| Des Moines, IA               | 107    | 126    | 128    | 144    | 137    | 65.4                         | 76.2  | 76.6  | 84.8  | 80.7  |
| Detroit, MI                  | 24     | 358    | 1,017  | 1,051  | 863    | 4.8                          | 71.4  | 203.9 | 212.0 | 174.1 |
| El Paso, TX                  | 266    | 227    | 133    | 216    | 176    | 84.9                         | 70.5  | 40.5  | 65.0  | 53.0  |
| Fort Worth, TX               | 518    | 532    | 471    | 278    | 434    | 84.9                         | 85.5  | 74.4  | 43.1  | 67.3  |
| Honolulu, HI                 | 397    | 317    | 236    | 229    | 249    | 90.4                         | 71.6  | 53.2  | 52.1  | 56.6  |
| Houston, TX                  | 1,765  | 1,712  | 687    | 677    | 1,430  | 118.1                        | 113.0 | 44.9  | 43.5  | 91.9  |
| Indianapolis, IN             | 1,103  | 1,147  | 1,033  | 1,096  | 1,013  | 284.7                        | 294.9 | 265.6 | 281.5 | 260.2 |
| Jacksonville, FL             | NR     | NR     | 336    | 591    | 649    | .                            | .     | 98.3  | 169.3 | 185.9 |
| Jersey City, NJ              | 4      | NR     | 6      | 19     | 16     | 3.8                          | .     | 5.7   | 18.0  | 15.2  |
| Kansas City, MO              | 151    | 134    | 149    | 275    | 325    | 72.5                         | 64.2  | 71.3  | 129.1 | 152.6 |
| Los Angeles, CA              | 3,205  | 3,347  | 3,540  | 4,383  | 5,373  | 75.3                         | 78.6  | 83.2  | 102.6 | 125.8 |
| Louisville, KY               | 92     | 108    | 275    | 416    | 349    | 29.0                         | 34.0  | 86.6  | 130.6 | 109.6 |
| Memphis, TN                  | 97     | 233    | 638    | 1,047  | 919    | 24.0                         | 57.0  | 154.8 | 253.0 | 222.0 |
| Miami, FL                    | NR     | NR     | 485    | 500    | 695    | .                            | .     | 50.0  | 50.1  | 69.6  |
| Milwaukee, WI                | 672    | 1,154  | 1,057  | 994    | 1,070  | 149.5                        | 259.1 | 239.0 | 226.5 | 243.8 |
| Minneapolis, MN              | 611    | 603    | 480    | 485    | 763    | 331.1                        | 325.2 | 258.0 | 258.9 | 407.3 |
| Nashville, TN                | 146    | 168    | 495    | 537    | 512    | 58.9                         | 67.1  | 196.3 | 210.9 | 201.1 |
| New Orleans, LA              | 1,182  | 893    | 669    | 547    | 603    | 522.8                        | 397.7 | 299.5 | 247.3 | 272.6 |
| New York City, NY            | 1,308  | 2,155  | 2,086  | 2,080  | 2,762  | 38.0                         | 62.5  | 60.6  | 59.8  | 79.3  |
| Newark, NJ                   | 16     | 8      | 55     | 56     | 52     | 11.6                         | 5.8   | 40.4  | 41.2  | 38.4  |
| Norfolk, VA                  | 67     | 42     | 59     | 96     | 84     | 51.4                         | 33.0  | 47.3  | 79.6  | 69.7  |
| Oakland, CA                  | NR     | 154    | 522    | 582    | 704    | .                            | 26.0  | 88.0  | 97.8  | 118.4 |
| Oklahoma City, OK            | 172    | 176    | 163    | 267    | 277    | 82.8                         | 83.9  | 77.4  | 125.5 | 130.2 |
| Omaha, NE                    | 166    | 349    | 256    | 137    | 241    | 80.4                         | 168.1 | 122.2 | 64.6  | 113.6 |
| Philadelphia, PA             | 677    | 862    | 633    | 635    | 1,180  | 94.6                         | 121.7 | 90.9  | 92.5  | 171.8 |
| Phoenix, AZ                  | 887    | 971    | 1,083  | 1,405  | 1,516  | 79.3                         | 83.9  | 90.3  | 108.9 | 117.5 |
| Pittsburgh, PA               | 608    | 620    | 512    | 430    | 463    | 97.5                         | 100.0 | 83.3  | 70.7  | 76.1  |
| Portland, OR                 | 536    | 612    | 501    | 527    | 596    | 229.1                        | 260.2 | 212.1 | 218.9 | 247.5 |
| Richmond, VA                 | 107    | 79     | 194    | 201    | 234    | 116.2                        | 86.2  | 215.3 | 223.0 | 259.6 |
| Rochester, NY                | NR     | NR     | NR     | NR     | NR     | .                            | .     | .     | .     | .     |
| Sacramento, CA               | NR     | 169    | 824    | 714    | 725    | .                            | 31.4  | 152.4 | 130.7 | 132.7 |
| San Antonio, TX              | 491    | 624    | 563    | 563    | 745    | 80.6                         | 100.6 | 89.6  | 88.1  | 116.6 |
| San Diego, CA                | NR     | NR     | 1,141  | 1,304  | 1,477  | .                            | .     | 85.1  | 98.1  | 111.2 |
| San Francisco, CA            | 499    | 483    | 473    | 495    | 817    | 136.5                        | 132.1 | 130.3 | 136.1 | 224.7 |
| San Jose, CA                 | NR     | NR     | 587    | 538    | 607    | .                            | .     | 74.2  | 66.5  | 75.0  |
| Seattle, WA                  | 805    | 823    | 812    | 877    | 905    | 103.5                        | 105.2 | 103.2 | 109.6 | 113.1 |
| St Louis, MO                 | 186    | 203    | 187    | 192    | 207    | 108.5                        | 121.0 | 114.4 | 119.5 | 128.8 |
| St Paul, MN                  | 272    | 295    | 243    | 272    | 282    | 205.7                        | 223.7 | 184.6 | 205.2 | 212.7 |
| St Petersburg, FL            | NR     | NR     | 233    | 309    | 303    | .                            | .     | 57.3  | 75.9  | 74.5  |
| Tampa, FL                    | NR     | NR     | 417    | 376    | 465    | .                            | .     | 96.8  | 85.8  | 106.1 |
| Toledo, OH                   | 307    | 255    | 160    | 63     | 44     | 140.1                        | 116.7 | 73.6  | 29.1  | 20.3  |
| Tucson, AZ                   | 347    | 314    | 370    | 405    | 378    | 100.0                        | 87.8  | 100.5 | 107.5 | 100.3 |
| Tulsa, OK                    | 72     | 55     | 82     | 288    | 306    | 39.7                         | 30.2  | 44.9  | 155.4 | 165.1 |
| Washington, DC               | 111    | 143    | 216    | 234    | 411    | 41.1                         | 54.0  | 83.5  | 92.0  | 161.6 |
| Wichita, KS                  | 281    | 389    | 288    | 208    | 196    | 136.9                        | 189.1 | 140.0 | 100.3 | 94.6  |
| Yonkers, NY                  | NR     | NR     | NR     | NR     | NR     | .                            | .     | .     | .     | .     |
| U.S. CITY TOTAL <sup>1</sup> | 23,779 | 26,832 | 32,185 | 33,384 | 41,218 | 89.4                         | 96.8  | 98.2  | 100.1 | 123.6 |
| San Juan, PR                 | 181    | 215    | 182    | 235    | 159    | 46.1                         | 54.8  | 46.4  | 59.9  | 40.5  |
| TOTAL                        | 23,960 | 27,047 | 32,367 | 33,619 | 41,377 | 88.8                         | 96.2  | 97.5  | 99.7  | 122.7 |

\*NR = No report (see Appendix).

<sup>1</sup>Rates exclude population of cities that did not report.

**Table 12A. Gonorrhea — Reported cases by age, gender, and race/ethnicity: United States, 1994–1997**

| <b>1994</b>      |                |                |                |                            |               |               |                            |                |                |
|------------------|----------------|----------------|----------------|----------------------------|---------------|---------------|----------------------------|----------------|----------------|
| <i>Age Group</i> | <i>Total</i>   |                |                | <i>White, Non-Hispanic</i> |               |               | <i>Black, Non-Hispanic</i> |                |                |
|                  | <i>Total</i>   | <i>Male</i>    | <i>Female</i>  | <i>Total</i>               | <i>Male</i>   | <i>Female</i> | <i>Total</i>               | <i>Male</i>    | <i>Female</i>  |
| 10-14            | 8,239          | 1,391          | 6,848          | 1,244                      | 92            | 1,152         | 6,492                      | 1,220          | 5,272          |
| 15-19            | 117,189        | 47,960         | 69,229         | 16,669                     | 2,822         | 13,847        | 94,699                     | 43,079         | 51,620         |
| 20-24            | 115,090        | 62,217         | 52,873         | 13,958                     | 4,471         | 9,487         | 94,675                     | 54,464         | 40,211         |
| 25-29            | 56,554         | 32,803         | 23,751         | 7,613                      | 3,393         | 4,220         | 45,374                     | 27,392         | 17,982         |
| 30-34            | 37,331         | 23,779         | 13,552         | 5,561                      | 2,911         | 2,650         | 29,575                     | 19,503         | 10,072         |
| 35-39            | 22,840         | 16,489         | 6,351          | 3,299                      | 1,988         | 1,311         | 18,332                     | 13,681         | 4,651          |
| 40-44            | 11,761         | 9,411          | 2,350          | 1,745                      | 1,228         | 517           | 9,436                      | 7,793          | 1,643          |
| 45-54            | 8,056          | 6,930          | 1,126          | 1,427                      | 1,092         | 335           | 6,203                      | 5,532          | 671            |
| 55-64            | 2,206          | 1,993          | 213            | 370                        | 319           | 51            | 1,716                      | 1,577          | 139            |
| 65+              | 1,552          | 1,079          | 473            | 260                        | 159           | 101           | 1,116                      | 826            | 290            |
| <b>TOTAL</b>     | <b>382,899</b> | <b>204,920</b> | <b>177,979</b> | <b>52,332</b>              | <b>18,550</b> | <b>33,782</b> | <b>309,404</b>             | <b>175,832</b> | <b>133,572</b> |
| <b>1995</b>      |                |                |                |                            |               |               |                            |                |                |
| <i>Age Group</i> | <i>Total</i>   |                |                | <i>White, Non-Hispanic</i> |               |               | <i>Black, Non-Hispanic</i> |                |                |
|                  | <i>Total</i>   | <i>Male</i>    | <i>Female</i>  | <i>Total</i>               | <i>Male</i>   | <i>Female</i> | <i>Total</i>               | <i>Male</i>    | <i>Female</i>  |
| 10-14            | 6,959          | 1,072          | 5,887          | 1,033                      | 71            | 962           | 5,439                      | 928            | 4,511          |
| 15-19            | 104,713        | 40,298         | 64,415         | 15,654                     | 2,499         | 13,155        | 82,864                     | 35,639         | 47,225         |
| 20-24            | 100,061        | 52,557         | 47,504         | 13,205                     | 4,068         | 9,137         | 80,349                     | 45,155         | 35,194         |
| 25-29            | 51,146         | 29,782         | 21,364         | 7,438                      | 3,214         | 4,224         | 40,142                     | 24,525         | 15,617         |
| 30-34            | 33,739         | 21,397         | 12,342         | 5,634                      | 3,005         | 2,629         | 25,850                     | 17,006         | 8,844          |
| 35-39            | 22,032         | 15,471         | 6,561          | 3,615                      | 2,204         | 1,411         | 17,124                     | 12,422         | 4,702          |
| 40-44            | 11,520         | 9,160          | 2,360          | 1,705                      | 1,196         | 509           | 9,199                      | 7,548          | 1,651          |
| 45-54            | 7,776          | 6,725          | 1,051          | 1,465                      | 1,156         | 309           | 5,882                      | 5,243          | 639            |
| 55-64            | 1,988          | 1,808          | 180            | 355                        | 308           | 47            | 1,512                      | 1,397          | 115            |
| 65+              | 923            | 754            | 169            | 161                        | 129           | 32            | 714                        | 597            | 117            |
| <b>TOTAL</b>     | <b>342,967</b> | <b>179,914</b> | <b>163,053</b> | <b>50,539</b>              | <b>17,947</b> | <b>32,592</b> | <b>270,776</b>             | <b>151,209</b> | <b>119,567</b> |
| <b>1996</b>      |                |                |                |                            |               |               |                            |                |                |
| <i>Age Group</i> | <i>Total</i>   |                |                | <i>White, Non-Hispanic</i> |               |               | <i>Black, Non-Hispanic</i> |                |                |
|                  | <i>Total</i>   | <i>Male</i>    | <i>Female</i>  | <i>Total</i>               | <i>Male</i>   | <i>Female</i> | <i>Total</i>               | <i>Male</i>    | <i>Female</i>  |
| 10-14            | 5,721          | 808            | 4,913          | 883                        | 62            | 821           | 4,431                      | 697            | 3,734          |
| 15-19            | 92,134         | 32,647         | 59,487         | 14,452                     | 2,634         | 11,818        | 71,843                     | 28,047         | 43,796         |
| 20-24            | 85,625         | 43,515         | 42,110         | 11,725                     | 3,637         | 8,088         | 68,107                     | 37,093         | 31,014         |
| 25-29            | 44,577         | 25,581         | 18,996         | 6,733                      | 3,010         | 3,723         | 34,556                     | 20,793         | 13,763         |
| 30-34            | 28,224         | 17,757         | 10,467         | 4,906                      | 2,690         | 2,216         | 21,401                     | 13,902         | 7,499          |
| 35-39            | 18,451         | 12,693         | 5,758          | 3,156                      | 1,910         | 1,246         | 14,135                     | 10,085         | 4,050          |
| 40-44            | 10,270         | 7,939          | 2,331          | 1,677                      | 1,159         | 518           | 8,001                      | 6,400          | 1,601          |
| 45-54            | 7,055          | 5,990          | 1,065          | 1,426                      | 1,111         | 315           | 5,242                      | 4,605          | 637            |
| 55-64            | 1,717          | 1,553          | 164            | 331                        | 280           | 51            | 1,297                      | 1,203          | 94             |
| 65+              | 927            | 700            | 227            | 185                        | 132           | 53            | 675                        | 532            | 143            |
| <b>TOTAL</b>     | <b>296,010</b> | <b>149,655</b> | <b>146,355</b> | <b>45,737</b>              | <b>16,709</b> | <b>29,028</b> | <b>230,588</b>             | <b>123,705</b> | <b>106,883</b> |
| <b>1997</b>      |                |                |                |                            |               |               |                            |                |                |
| <i>Age Group</i> | <i>Total</i>   |                |                | <i>White, Non-Hispanic</i> |               |               | <i>Black, Non-Hispanic</i> |                |                |
|                  | <i>Total</i>   | <i>Male</i>    | <i>Female</i>  | <i>Total</i>               | <i>Male</i>   | <i>Female</i> | <i>Total</i>               | <i>Male</i>    | <i>Female</i>  |
| 10-14            | 5,238          | 737            | 4,501          | 837                        | 60            | 777           | 4,003                      | 621            | 3,382          |
| 15-19            | 89,497         | 30,796         | 58,701         | 13,588                     | 2,357         | 11,231        | 69,815                     | 26,492         | 43,323         |
| 20-24            | 86,247         | 43,335         | 42,912         | 11,969                     | 3,719         | 8,250         | 68,311                     | 36,734         | 31,577         |
| 25-29            | 45,343         | 26,306         | 19,037         | 6,942                      | 3,011         | 3,931         | 34,933                     | 21,329         | 13,604         |
| 30-34            | 27,381         | 17,345         | 10,036         | 4,831                      | 2,648         | 2,183         | 20,442                     | 13,384         | 7,058          |
| 35-39            | 18,550         | 12,729         | 5,821          | 3,513                      | 2,094         | 1,419         | 13,799                     | 9,840          | 3,959          |
| 40-44            | 10,474         | 8,172          | 2,302          | 1,801                      | 1,263         | 538           | 8,042                      | 6,487          | 1,555          |
| 45-54            | 7,377          | 6,291          | 1,086          | 1,403                      | 1,116         | 287           | 5,562                      | 4,891          | 671            |
| 55-64            | 1,802          | 1,602          | 200            | 364                        | 283           | 81            | 1,338                      | 1,236          | 102            |
| 65+              | 1,216          | 841            | 375            | 223                        | 148           | 75            | 907                        | 636            | 271            |
| <b>TOTAL</b>     | <b>294,151</b> | <b>148,546</b> | <b>145,605</b> | <b>45,622</b>              | <b>16,734</b> | <b>28,888</b> | <b>227,926</b>             | <b>121,969</b> | <b>105,957</b> |

NOTE: In most instances, if age or race/ethnicity was not specified, cases were prorated according to the distribution of cases for which these variables were specified. For the following years, the states/areas listed did not report race/ethnicity for most cases and were excluded: 1994 (Georgia, New York City, and New York state); 1995 (Georgia, New Jersey, New York City, and New York state); 1996 (New Jersey, New York City and New York state) and 1997 (Idaho, New Jersey, New York City, and New York state). Differences between total cases from this table and others in the report are due to different reporting forms and above listed exclusions. Cases aged 0 to 9 years are not shown because some of these may not be due to sexual transmission; however, they are included in the totals.

**Table 12A. Gonorrhea — Reported cases by age, gender, and race/ethnicity: United States, 1994–1997**  
(continued)

| <b>1994</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 408             | 71          | 337           | 39                            | 6           | 33            | 56                                   | 2           | 54            |
| 15-19            | 4,784           | 1,775       | 3,009         | 466                           | 115         | 351           | 571                                  | 169         | 402           |
| 20-24            | 5,268           | 2,800       | 2,468         | 497                           | 168         | 329           | 692                                  | 314         | 378           |
| 25-29            | 2,970           | 1,749       | 1,221         | 264                           | 128         | 136           | 333                                  | 141         | 192           |
| 30-34            | 1,801           | 1,151       | 650           | 156                           | 98          | 58            | 238                                  | 116         | 122           |
| 35-39            | 972             | 666         | 306           | 120                           | 77          | 43            | 117                                  | 77          | 40            |
| 40-44            | 472             | 325         | 147           | 55                            | 36          | 19            | 53                                   | 29          | 24            |
| 45-54            | 340             | 245         | 95            | 43                            | 28          | 15            | 43                                   | 33          | 10            |
| 55-64            | 100             | 81          | 19            | 9                             | 7           | 2             | 11                                   | 9           | 2             |
| 65+              | 143             | 74          | 69            | 25                            | 12          | 13            | 8                                    | 8           | 0             |
| TOTAL            | 17,331          | 8,957       | 8,374         | 1,682                         | 676         | 1,006         | 2,150                                | 905         | 1,245         |

| <b>1995</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 415             | 62          | 353           | 35                            | 2           | 33            | 37                                   | 9           | 28            |
| 15-19            | 5,287           | 1,951       | 3,336         | 430                           | 94          | 336           | 478                                  | 115         | 363           |
| 20-24            | 5,598           | 2,977       | 2,621         | 430                           | 183         | 247           | 479                                  | 174         | 305           |
| 25-29            | 3,024           | 1,769       | 1,255         | 281                           | 161         | 120           | 261                                  | 113         | 148           |
| 30-34            | 1,886           | 1,203       | 683           | 158                           | 95          | 63            | 211                                  | 88          | 123           |
| 35-39            | 1,081           | 726         | 355           | 70                            | 45          | 25            | 142                                  | 74          | 68            |
| 40-44            | 510             | 351         | 159           | 46                            | 28          | 18            | 60                                   | 37          | 23            |
| 45-54            | 356             | 279         | 77            | 36                            | 23          | 13            | 37                                   | 24          | 13            |
| 55-64            | 108             | 90          | 18            | 9                             | 9           | 0             | 4                                    | 4           | 0             |
| 65+              | 31              | 17          | 14            | 11                            | 7           | 4             | 6                                    | 4           | 2             |
| TOTAL            | 18,420          | 9,465       | 8,955         | 1,512                         | 649         | 863           | 1,720                                | 644         | 1,076         |

| <b>1996</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 345             | 40          | 305           | 20                            | 4           | 16            | 42                                   | 5           | 37            |
| 15-19            | 4,907           | 1,775       | 3,132         | 363                           | 62          | 301           | 569                                  | 129         | 440           |
| 20-24            | 4,833           | 2,431       | 2,402         | 409                           | 173         | 236           | 551                                  | 181         | 370           |
| 25-29            | 2,715           | 1,516       | 1,199         | 255                           | 132         | 123           | 318                                  | 130         | 188           |
| 30-34            | 1,547           | 983         | 564           | 156                           | 89          | 67            | 214                                  | 93          | 121           |
| 35-39            | 915             | 562         | 353           | 95                            | 55          | 40            | 150                                  | 81          | 69            |
| 40-44            | 463             | 301         | 162           | 52                            | 31          | 21            | 77                                   | 48          | 29            |
| 45-54            | 310             | 230         | 80            | 37                            | 23          | 14            | 40                                   | 21          | 19            |
| 55-64            | 74              | 63          | 11            | 11                            | 5           | 6             | 4                                    | 2           | 2             |
| 65+              | 59              | 32          | 27            | 6                             | 4           | 2             | 2                                    | 0           | 2             |
| TOTAL            | 16,297          | 7,967       | 8,330         | 1,413                         | 580         | 833           | 1,975                                | 694         | 1,281         |

| <b>1997</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 330             | 49          | 281           | 22                            | 3           | 19            | 46                                   | 4           | 42            |
| 15-19            | 5,080           | 1,716       | 3,364         | 403                           | 93          | 310           | 611                                  | 138         | 473           |
| 20-24            | 5,005           | 2,500       | 2,505         | 454                           | 212         | 242           | 508                                  | 170         | 338           |
| 25-29            | 2,917           | 1,728       | 1,189         | 269                           | 124         | 145           | 282                                  | 114         | 168           |
| 30-34            | 1,716           | 1,099       | 617           | 197                           | 126         | 71            | 195                                  | 88          | 107           |
| 35-39            | 1,045           | 698         | 347           | 88                            | 51          | 37            | 105                                  | 46          | 59            |
| 40-44            | 502             | 352         | 150           | 63                            | 39          | 24            | 66                                   | 31          | 35            |
| 45-54            | 324             | 230         | 94            | 51                            | 36          | 15            | 37                                   | 18          | 19            |
| 55-64            | 82              | 69          | 13            | 9                             | 7           | 2             | 9                                    | 7           | 2             |
| 65+              | 78              | 54          | 24            | 6                             | 1           | 5             | 2                                    | 2           | 0             |
| TOTAL            | 17,169          | 8,531       | 8,638         | 1,566                         | 694         | 872           | 1,868                                | 618         | 1,250         |

**Table 12B. Gonorrhea — Reported rates per 100,000 population by age, gender, and race/ethnicity:  
United States, 1994–1997**

| <b>1994</b>      |              |             |               |                            |             |               |                            |             |               |
|------------------|--------------|-------------|---------------|----------------------------|-------------|---------------|----------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 48.3         | 15.9        | 82.3          | 10.6                       | 1.5         | 20.2          | 276.4                      | 102.5       | 455.2         |
| 15-19            | 733.7        | 585.2       | 890.2         | 151.0                      | 49.7        | 258.5         | 4,235.8                    | 3,801.3     | 4,682.5       |
| 20-24            | 695.5        | 739.1       | 650.4         | 121.5                      | 76.7        | 167.8         | 4,357.0                    | 5,092.9     | 3,643.9       |
| 25-29            | 328.5        | 379.4       | 277.1         | 62.9                       | 56.0        | 69.9          | 2,168.9                    | 2,751.0     | 1,640.2       |
| 30-34            | 187.2        | 238.9       | 135.7         | 38.1                       | 39.8        | 36.4          | 1,299.3                    | 1,833.0     | 830.9         |
| 35-39            | 115.2        | 167.0       | 63.8          | 22.1                       | 26.6        | 17.6          | 824.0                      | 1,314.6     | 392.8         |
| 40-44            | 66.1         | 106.9       | 26.1          | 12.7                       | 17.9        | 7.5           | 501.3                      | 892.0       | 162.9         |
| 45-54            | 30.0         | 52.6        | 8.2           | 6.6                        | 10.3        | 3.1           | 249.0                      | 488.0       | 49.4          |
| 55-64            | 11.6         | 22.1        | 2.1           | 2.4                        | 4.3         | 0.6           | 100.0                      | 210.2       | 14.4          |
| 65+              | 5.2          | 8.8         | 2.7           | 1.0                        | 1.5         | 0.7           | 49.5                       | 93.8        | 21.1          |
| TOTAL            | 162.9        | 178.3       | 148.1         | 29.8                       | 21.6        | 37.6          | 1,163.0                    | 1,393.3     | 955.2         |
| <b>1995</b>      |              |             |               |                            |             |               |                            |             |               |
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 41.3         | 12.4        | 71.6          | 8.9                        | 1.2         | 17.1          | 236.7                      | 79.7        | 398.3         |
| 15-19            | 670.7        | 503.1       | 847.4         | 145.1                      | 45.0        | 251.5         | 3,813.9                    | 3,233.7     | 4,411.2       |
| 20-24            | 632.8        | 653.5       | 611.3         | 120.9                      | 73.3        | 170.1         | 3,840.1                    | 4,375.1     | 3,319.2       |
| 25-29            | 316.0        | 366.5       | 265.0         | 65.9                       | 57.0        | 74.9          | 2,044.1                    | 2,623.1     | 1,517.9       |
| 30-34            | 175.6        | 222.9       | 128.3         | 40.3                       | 42.9        | 37.7          | 1,183.3                    | 1,664.4     | 760.6         |
| 35-39            | 112.8        | 158.9       | 67.0          | 24.7                       | 30.0        | 19.3          | 778.0                      | 1,204.5     | 402.0         |
| 40-44            | 66.0         | 105.9       | 26.8          | 12.7                       | 17.8        | 7.6           | 491.1                      | 866.6       | 164.8         |
| 45-54            | 28.7         | 50.6        | 7.6           | 6.7                        | 10.8        | 2.8           | 236.6                      | 462.7       | 47.2          |
| 55-64            | 10.9         | 20.8        | 1.9           | 2.4                        | 4.3         | 0.6           | 91.7                       | 194.1       | 12.4          |
| 65+              | 3.1          | 6.3         | 1.0           | 0.6                        | 1.2         | 0.2           | 32.5                       | 69.3        | 8.7           |
| TOTAL            | 149.5        | 160.3       | 139.1         | 29.6                       | 21.5        | 37.3          | 1,045.5                    | 1,229.8     | 878.9         |
| <b>1996</b>      |              |             |               |                            |             |               |                            |             |               |
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 32.9         | 9.1         | 57.9          | 7.4                        | 1.0         | 14.2          | 178.8                      | 55.5        | 305.7         |
| 15-19            | 571.8        | 394.8       | 758.2         | 130.2                      | 46.1        | 219.6         | 3,065.4                    | 2,359.1     | 3,792.7       |
| 20-24            | 523.8        | 523.7       | 524.0         | 104.1                      | 63.6        | 146.0         | 3,020.1                    | 3,340.7     | 2,709.2       |
| 25-29            | 266.3        | 304.5       | 227.8         | 57.8                       | 51.7        | 64.0          | 1,625.2                    | 2,059.6     | 1,232.4       |
| 30-34            | 142.0        | 178.9       | 105.2         | 34.0                       | 37.2        | 30.8          | 903.0                      | 1,257.2     | 593.2         |
| 35-39            | 91.5         | 126.3       | 56.9          | 20.9                       | 25.2        | 16.6          | 594.7                      | 907.4       | 320.1         |
| 40-44            | 57.0         | 89.0        | 25.6          | 12.2                       | 16.8        | 7.5           | 395.7                      | 681.3       | 147.9         |
| 45-54            | 25.2         | 43.7        | 7.5           | 6.4                        | 10.0        | 2.8           | 196.1                      | 378.1       | 43.8          |
| 55-64            | 9.1          | 17.3        | 1.7           | 2.2                        | 3.8         | 0.6           | 73.8                       | 157.2       | 9.5           |
| 65+              | 3.1          | 5.7         | 1.3           | 0.7                        | 1.2         | 0.3           | 28.8                       | 58.3        | 10.0          |
| TOTAL            | 125.1        | 129.3       | 121.0         | 26.0                       | 19.4        | 32.3          | 826.5                      | 935.0       | 728.7         |
| <b>1997</b>      |              |             |               |                            |             |               |                            |             |               |
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 30.5         | 8.4         | 53.8          | 7.2                        | 1.0         | 13.7          | 162.2                      | 49.6        | 278.3         |
| 15-19            | 530.3        | 353.9       | 718.0         | 118.5                      | 39.9        | 201.9         | 2,827.9                    | 2,115.4     | 3,561.3       |
| 20-24            | 543.7        | 532.6       | 555.4         | 112.2                      | 68.4        | 157.7         | 3,110.8                    | 3,391.8     | 2,837.3       |
| 25-29            | 265.7        | 306.9       | 224.1         | 58.9                       | 51.1        | 66.6          | 1,605.9                    | 2,061.1     | 1,192.9       |
| 30-34            | 143.4        | 182.0       | 104.9         | 35.5                       | 38.9        | 32.0          | 875.5                      | 1,227.2     | 567.3         |
| 35-39            | 91.7         | 126.1       | 57.5          | 23.4                       | 27.8        | 19.0          | 578.4                      | 882.1       | 311.7         |
| 40-44            | 56.0         | 88.1        | 24.5          | 12.7                       | 17.8        | 7.6           | 382.3                      | 662.4       | 138.3         |
| 45-54            | 25.5         | 44.3        | 7.4           | 6.1                        | 9.8         | 2.5           | 195.3                      | 377.3       | 43.2          |
| 55-64            | 9.5          | 17.6        | 2.0           | 2.4                        | 3.8         | 1.0           | 74.7                       | 158.5       | 10.1          |
| 65+              | 4.0          | 6.8         | 2.1           | 0.9                        | 1.4         | 0.5           | 38.3                       | 68.8        | 18.8          |
| TOTAL            | 123.6        | 127.4       | 120.0         | 26.0                       | 19.5        | 32.3          | 807.9                      | 911.6       | 714.3         |

NOTE: For the following years, the states/areas listed did not report race/ethnicity for most cases: 1994 (Georgia, New York City, and New York state); 1995 (Georgia, New Jersey, New York City and New York state); 1996 (New Jersey, New York City and New York state) and 1997 (Idaho, New Jersey, New York City and New York state). Cases and population denominators have been excluded for these states/areas. Rates for the 0 to 9 year age group are not shown; however, these cases are included in the calculation of total rates.

**Table 12B. Gonorrhea — Reported rates per 100,000 population by age, gender, and race/ethnicity:  
United States, 1994–1997 (continued)**

| <b>1994</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 19.0            | 6.5         | 32.1          | 6.3                           | 1.9         | 10.7          | 29.5                                 | 2.1         | 57.6          |
| 15-19            | 240.3           | 173.5       | 310.9         | 84.9                          | 41.3        | 129.8         | 355.0                                | 207.6       | 506.1         |
| 20-24            | 249.4           | 248.2       | 250.8         | 79.5                          | 53.6        | 105.5         | 448.9                                | 398.8       | 501.2         |
| 25-29            | 133.1           | 145.4       | 118.8         | 40.7                          | 40.7        | 40.7          | 231.8                                | 194.3       | 270.0         |
| 30-34            | 81.6            | 99.0        | 62.3          | 21.9                          | 28.6        | 15.7          | 155.6                                | 154.2       | 156.8         |
| 35-39            | 52.7            | 69.9        | 34.3          | 17.6                          | 23.8        | 12.0          | 81.2                                 | 110.1       | 54.0          |
| 40-44            | 32.4            | 44.2        | 20.4          | 9.0                           | 12.8        | 5.8           | 41.7                                 | 47.4        | 36.3          |
| 45-54            | 18.0            | 26.5        | 9.9           | 5.2                           | 7.3         | 3.4           | 23.8                                 | 38.0        | 10.7          |
| 55-64            | 8.4             | 14.5        | 3.0           | 1.8                           | 3.1         | 0.7           | 9.9                                  | 17.2        | 3.4           |
| 65+              | 11.2            | 13.8        | 9.3           | 4.9                           | 5.5         | 4.4           | 6.7                                  | 15.8        | 0.0           |
| TOTAL            | 74.0            | 75.1        | 72.8          | 22.3                          | 18.6        | 25.8          | 116.7                                | 99.9        | 133.0         |

| <b>1995</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 19.3            | 5.7         | 33.6          | 5.6                           | 0.6         | 10.7          | 19.0                                 | 9.2         | 29.1          |
| 15-19            | 270.1           | 195.1       | 348.5         | 81.0                          | 35.0        | 128.0         | 296.2                                | 141.1       | 454.4         |
| 20-24            | 275.2           | 276.1       | 274.2         | 70.2                          | 59.9        | 80.5          | 309.5                                | 220.3       | 402.4         |
| 25-29            | 139.5           | 151.0       | 125.9         | 44.4                          | 52.6        | 36.7          | 186.7                                | 159.4       | 214.8         |
| 30-34            | 85.9            | 103.8       | 66.0          | 22.7                          | 28.3        | 17.5          | 138.9                                | 117.4       | 159.8         |
| 35-39            | 58.3            | 75.7        | 39.7          | 10.5                          | 14.2        | 7.1           | 97.8                                 | 104.6       | 91.4          |
| 40-44            | 34.9            | 47.4        | 22.0          | 7.7                           | 10.1        | 5.5           | 46.6                                 | 59.9        | 34.3          |
| 45-54            | 18.7            | 29.9        | 8.0           | 4.3                           | 6.0         | 2.9           | 20.0                                 | 26.9        | 13.5          |
| 55-64            | 9.3             | 16.5        | 2.9           | 1.8                           | 4.0         | 0.0           | 3.6                                  | 7.6         | 0.0           |
| 65+              | 2.4             | 3.2         | 1.9           | 2.1                           | 3.2         | 1.3           | 4.9                                  | 7.8         | 2.8           |
| TOTAL            | 79.1            | 79.9        | 78.3          | 20.3                          | 18.1        | 22.3          | 92.9                                 | 70.7        | 114.3         |

| <b>1996</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 16.0            | 3.6         | 28.8          | 3.2                           | 1.2         | 5.1           | 21.5                                 | 5.1         | 38.2          |
| 15-19            | 249.4           | 176.6       | 325.5         | 67.3                          | 22.7        | 113.0         | 350.5                                | 157.3       | 547.7         |
| 20-24            | 235.8           | 223.6       | 249.7         | 65.7                          | 55.8        | 75.7          | 353.2                                | 227.2       | 484.9         |
| 25-29            | 124.1           | 128.1       | 119.4         | 39.7                          | 42.5        | 37.0          | 225.2                                | 181.4       | 270.4         |
| 30-34            | 70.0            | 84.1        | 54.1          | 22.0                          | 26.1        | 18.3          | 139.6                                | 122.9       | 155.9         |
| 35-39            | 49.0            | 58.1        | 39.2          | 14.0                          | 17.0        | 11.2          | 102.3                                | 113.3       | 91.8          |
| 40-44            | 31.4            | 40.4        | 22.3          | 8.5                           | 11.1        | 6.4           | 59.1                                 | 76.8        | 42.8          |
| 45-54            | 16.2            | 24.5        | 8.2           | 4.4                           | 5.9         | 3.1           | 21.4                                 | 23.3        | 19.6          |
| 55-64            | 6.3             | 11.5        | 1.8           | 2.2                           | 2.2         | 2.2           | 3.5                                  | 3.8         | 3.3           |
| 65+              | 4.6             | 5.9         | 3.6           | 1.1                           | 1.8         | 0.7           | 1.6                                  | 0.0         | 2.8           |
| TOTAL            | 69.6            | 66.8        | 72.4          | 18.7                          | 15.9        | 21.2          | 105.8                                | 75.6        | 135.1         |

| <b>1997</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 15.2            | 4.4         | 26.6          | 3.6                           | 1.0         | 6.3           | 23.8                                 | 4.1         | 44.1          |
| 15-19            | 231.3           | 147.0       | 327.0         | 70.3                          | 32.0        | 109.9         | 354.6                                | 158.7       | 554.0         |
| 20-24            | 226.1           | 205.2       | 251.6         | 71.8                          | 66.5        | 77.1          | 339.6                                | 224.6       | 457.4         |
| 25-29            | 130.4           | 140.4       | 118.1         | 37.8                          | 36.5        | 39.0          | 191.3                                | 151.5       | 232.9         |
| 30-34            | 75.2            | 89.8        | 58.3          | 27.8                          | 37.2        | 19.2          | 132.0                                | 120.0       | 143.7         |
| 35-39            | 51.9            | 65.8        | 36.4          | 12.7                          | 15.5        | 10.3          | 71.3                                 | 63.9        | 78.4          |
| 40-44            | 31.1            | 42.3        | 19.2          | 9.9                           | 13.1        | 7.0           | 49.7                                 | 48.5        | 50.7          |
| 45-54            | 15.5            | 22.1        | 9.0           | 5.5                           | 8.4         | 3.0           | 19.1                                 | 19.4        | 18.9          |
| 55-64            | 6.7             | 11.9        | 2.0           | 1.7                           | 2.9         | 0.7           | 7.8                                  | 12.9        | 3.3           |
| 65+              | 5.7             | 9.2         | 3.0           | 1.0                           | 0.4         | 1.5           | 1.6                                  | 3.7         | 0.0           |
| TOTAL            | 69.4            | 66.8        | 72.2          | 19.8                          | 18.2        | 21.3          | 99.7                                 | 67.0        | 131.4         |

**Table 13. Gonorrhea — Reported cases and rates by state/area, ranked according to rates: United States and outlying areas, 1997**

| <i>Rank</i> | <i>State/Area</i>             | <i>Cases</i>   | <i>Rate per 100,000 Population</i> |
|-------------|-------------------------------|----------------|------------------------------------|
| 1           | South Carolina                | 11,487         | 310.6                              |
| 2           | Mississippi                   | 8,327          | 306.6                              |
| 3           | Alabama                       | 12,032         | 281.6                              |
| 4           | Georgia                       | 18,471         | 251.2                              |
| 5           | Louisiana                     | 10,782         | 247.8                              |
| 6           | North Carolina                | 16,888         | 230.6                              |
| 7           | Maryland                      | 11,568         | 228.1                              |
| 8           | Tennessee                     | 11,023         | 207.2                              |
| 9           | Delaware                      | 1,273          | 175.6                              |
| 10          | Arkansas                      | 4,382          | 174.6                              |
| 11          | Michigan                      | 15,736         | 164.0                              |
| 12          | Illinois                      | 18,423         | 155.5                              |
| 13          | Missouri                      | 7,941          | 148.2                              |
| 14          | Oklahoma                      | 4,756          | 144.1                              |
| 15          | Texas                         | 26,612         | 139.1                              |
| 16          | Ohio                          | 14,961         | 133.9                              |
| 17          | Florida                       | 19,079         | 132.5                              |
| 18          | Virginia                      | 8,731          | 130.8                              |
| 19          | New York                      | 22,393         | 123.1                              |
|             | <b>U.S. TOTAL<sup>1</sup></b> | <b>324,901</b> | <b>122.5</b>                       |
| 20          | Indiana                       | 6,155          | 105.4                              |
| 21          | Kentucky                      | 4,027          | 103.7                              |
|             | <b>YEAR 2000 OBJECTIVE</b>    |                | <b>100.0</b>                       |
| 22          | New Jersey                    | 7,587          | 95.0                               |
| 23          | Connecticut                   | 3,027          | 92.4                               |
| 24          | Arizona                       | 3,802          | 85.9                               |
| 25          | Wisconsin                     | 4,316          | 83.6                               |
| 26          | Pennsylvania                  | 9,967          | 82.7                               |
| 27          | Nebraska                      | 1,210          | 73.2                               |
| 28          | Kansas                        | 1,740          | 67.6                               |
| 29          | Alaska                        | 392            | 64.6                               |
| 30          | Colorado                      | 2,320          | 60.7                               |
| 31          | California                    | 17,941         | 56.3                               |
| 32          | West Virginia                 | 957            | 52.4                               |
| 33          | Minnesota                     | 2,417          | 51.9                               |
| 34          | New Mexico                    | 857            | 50.0                               |
| 35          | Iowa                          | 1,311          | 46.0                               |
| 36          | Rhode Island                  | 422            | 42.6                               |
| 37          | Hawaii                        | 504            | 42.6                               |
| 38          | Massachusetts                 | 2,225          | 36.5                               |
| 39          | Virgin Islands                | 40             | 36.1                               |
| 40          | Washington                    | 1,968          | 35.6                               |
| 41          | Nevada                        | 549            | 34.2                               |
| 42          | Guam                          | 47             | 33.3                               |
| 43          | Oregon                        | 773            | 24.1                               |
| 44          | South Dakota                  | 173            | 23.6                               |
| 45          | Puerto Rico                   | 526            | 14.1                               |
| 46          | Utah                          | 278            | 13.9                               |
| 47          | Idaho                         | 158            | 13.3                               |
| 48          | Wyoming                       | 54             | 11.2                               |
| 49          | North Dakota                  | 68             | 10.6                               |
| 50          | Vermont                       | 53             | 9.0                                |
| 51          | New Hampshire                 | 96             | 8.3                                |
| 52          | Montana                       | 66             | 7.5                                |
| 53          | Maine                         | 66             | 5.3                                |

<sup>1</sup>Includes cases reported by Washington, D.C. but excludes outlying areas (Guam, Puerto Rico and Virgin Islands).

**Table 14. Gonorrhea — Reported cases and rates by state/area and region: United States and outlying areas, 1993–1997\***

| State/Area              | Cases   |         |         |         |         | Rates per 100,000 Population |       |       |       |       |
|-------------------------|---------|---------|---------|---------|---------|------------------------------|-------|-------|-------|-------|
|                         | 1993    | 1994    | 1995    | 1996    | 1997    | 1993                         | 1994  | 1995  | 1996  | 1997  |
| Alabama                 | 15,793  | 15,881  | 14,683  | 13,169  | 12,032  | 377.8                        | 376.4 | 345.2 | 308.2 | 281.6 |
| Alaska                  | 678     | 918     | 660     | 466     | 392     | 113.4                        | 151.7 | 109.3 | 76.8  | 64.6  |
| Arizona                 | 4,176   | 3,603   | 3,844   | 3,709   | 3,802   | 105.9                        | 88.4  | 91.1  | 83.8  | 85.9  |
| Arkansas                | 7,590   | 6,892   | 5,630   | 5,056   | 4,382   | 312.9                        | 281.0 | 226.7 | 201.5 | 174.6 |
| California              | 31,270  | 28,995  | 24,577  | 18,637  | 17,941  | 100.2                        | 92.2  | 77.8  | 58.5  | 56.3  |
| Colorado                | 3,803   | 3,632   | 2,803   | 2,021   | 2,320   | 106.7                        | 99.4  | 74.8  | 52.9  | 60.7  |
| Connecticut             | 4,658   | 4,767   | 4,055   | 3,388   | 3,027   | 142.1                        | 145.5 | 123.8 | 103.5 | 92.4  |
| Delaware                | 1,586   | 2,038   | 2,201   | 1,456   | 1,273   | 226.7                        | 287.3 | 306.9 | 200.9 | 175.6 |
| Florida                 | 23,899  | 24,367  | 20,874  | 19,181  | 19,079  | 174.1                        | 174.7 | 147.4 | 133.2 | 132.5 |
| Georgia                 | 31,483  | NR      | 21,025  | 19,806  | 18,471  | 456.1                        | .     | 292.0 | 269.4 | 251.2 |
| Hawaii                  | 864     | 700     | 563     | 497     | 504     | 74.1                         | 59.4  | 47.4  | 42.0  | 42.6  |
| Idaho                   | 171     | 98      | 149     | 98      | 158     | 15.5                         | 8.6   | 12.8  | 8.2   | 13.3  |
| Illinois                | 28,412  | 26,571  | 21,747  | 17,964  | 18,423  | 243.1                        | 226.1 | 183.8 | 151.6 | 155.5 |
| Indiana                 | 8,656   | 9,757   | 8,880   | 6,638   | 6,155   | 151.7                        | 169.6 | 153.0 | 113.7 | 105.4 |
| Iowa                    | 1,915   | 1,645   | 1,723   | 1,145   | 1,311   | 67.9                         | 58.1  | 60.6  | 40.2  | 46.0  |
| Kansas                  | 3,771   | 3,673   | 2,797   | 2,044   | 1,740   | 148.7                        | 143.8 | 109.0 | 79.5  | 67.6  |
| Kentucky                | 4,627   | 5,127   | 4,751   | 4,229   | 4,027   | 122.0                        | 134.0 | 123.1 | 108.9 | 103.7 |
| Louisiana               | 13,323  | 11,992  | 9,292   | 9,315   | 10,782  | 310.5                        | 277.9 | 214.0 | 214.1 | 247.8 |
| Maine                   | 80      | 93      | 94      | 55      | 66      | 6.5                          | 7.5   | 7.6   | 4.4   | 5.3   |
| Maryland                | 13,548  | 15,137  | 12,984  | 11,592  | 11,568  | 273.5                        | 302.6 | 257.5 | 228.6 | 228.1 |
| Massachusetts           | 3,118   | 3,159   | 2,658   | 2,189   | 2,225   | 51.8                         | 52.3  | 43.8  | 35.9  | 36.5  |
| Michigan                | 18,014  | 18,215  | 18,220  | 15,130  | 15,736  | 190.4                        | 191.8 | 190.8 | 157.7 | 164.0 |
| Minnesota               | 2,543   | 3,346   | 2,852   | 2,697   | 2,417   | 56.2                         | 73.3  | 61.9  | 57.9  | 51.9  |
| Mississippi             | 10,468  | 11,455  | 9,511   | 6,742   | 8,327   | 396.5                        | 429.1 | 352.6 | 248.2 | 306.6 |
| Missouri                | 13,148  | 12,557  | 11,326  | 8,421   | 7,941   | 251.1                        | 237.9 | 212.8 | 157.1 | 148.2 |
| Montana                 | 81      | 85      | 65      | 38      | 66      | 9.6                          | 9.9   | 7.5   | 4.3   | 7.5   |
| Nebraska                | 714     | 1,335   | 1,133   | 1,164   | 1,210   | 44.2                         | 82.2  | 69.2  | 70.5  | 73.2  |
| Nevada                  | 1,869   | 1,736   | 1,237   | 1,025   | 549     | 135.2                        | 119.1 | 80.8  | 63.9  | 34.2  |
| New Hampshire           | 83      | 103     | 118     | 153     | 96      | 7.4                          | 9.1   | 10.3  | 13.2  | 8.3   |
| New Jersey              | 6,444   | 5,269   | 5,783   | 8,721   | 7,587   | 82.0                         | 66.7  | 72.8  | 109.2 | 95.0  |
| New Mexico              | 1,014   | 1,130   | 1,054   | 890     | 857     | 62.8                         | 68.3  | 62.5  | 51.9  | 50.0  |
| New York                | 30,127  | 30,997  | 25,992  | 20,604  | 22,393  | 165.9                        | 170.6 | 143.3 | 113.3 | 123.1 |
| North Carolina          | 24,187  | 28,936  | 23,961  | 18,229  | 16,888  | 347.9                        | 409.3 | 333.0 | 248.9 | 230.6 |
| North Dakota            | 54      | 35      | 38      | 37      | 68      | 8.5                          | 5.5   | 5.9   | 5.7   | 10.6  |
| Ohio                    | 22,286  | 24,746  | 23,176  | 14,946  | 14,961  | 201.5                        | 222.9 | 207.8 | 133.8 | 133.9 |
| Oklahoma                | 4,759   | 4,888   | 5,077   | 4,897   | 4,756   | 147.2                        | 150.0 | 154.9 | 148.4 | 144.1 |
| Oregon                  | 1,189   | 978     | 854     | 887     | 773     | 39.2                         | 31.7  | 27.2  | 27.7  | 24.1  |
| Pennsylvania            | 18,225  | 13,184  | 13,038  | 10,803  | 9,967   | 151.5                        | 109.4 | 108.0 | 89.6  | 82.7  |
| Rhode Island            | 427     | 478     | 545     | 486     | 422     | 42.7                         | 48.0  | 55.1  | 49.1  | 42.6  |
| South Carolina          | 10,953  | 13,067  | 12,120  | 11,661  | 11,487  | 301.7                        | 356.6 | 330.0 | 315.3 | 310.6 |
| South Dakota            | 270     | 243     | 237     | 176     | 173     | 37.7                         | 33.6  | 32.5  | 24.0  | 23.6  |
| Tennessee               | 14,285  | 15,745  | 13,892  | 11,709  | 11,023  | 280.4                        | 304.2 | 264.3 | 220.1 | 207.2 |
| Texas                   | 30,123  | 29,757  | 30,801  | 23,124  | 26,612  | 167.1                        | 161.9 | 164.5 | 120.9 | 139.1 |
| Utah                    | 350     | 303     | 306     | 277     | 278     | 18.8                         | 15.9  | 15.7  | 13.8  | 13.9  |
| Vermont                 | 25      | 40      | 69      | 47      | 53      | 4.3                          | 6.9   | 11.8  | 8.0   | 9.0   |
| Virginia                | 12,022  | 13,414  | 10,340  | 9,293   | 8,731   | 185.7                        | 204.8 | 156.2 | 139.2 | 130.8 |
| Washington              | 3,740   | 2,893   | 2,765   | 2,020   | 1,968   | 71.1                         | 54.1  | 50.9  | 36.5  | 35.6  |
| West Virginia           | 635     | 805     | 860     | 736     | 957     | 34.9                         | 44.2  | 47.0  | 40.3  | 52.4  |
| Wisconsin               | 6,875   | 7,776   | 5,524   | 4,481   | 4,316   | 136.3                        | 153.0 | 107.8 | 86.8  | 83.6  |
| Wyoming                 | 85      | 82      | 51      | 41      | 54      | 18.1                         | 17.2  | 10.6  | 8.5   | 11.2  |
| U.S. TOTAL <sup>1</sup> | 444,578 | 419,470 | 392,622 | 326,522 | 324,901 | 172.5                        | 165.6 | 149.4 | 123.1 | 122.5 |
| Northeast               | 63,187  | 58,090  | 52,352  | 46,446  | 45,836  | 123.2                        | 113.0 | 101.7 | 90.0  | 88.9  |
| Midwest                 | 106,658 | 109,899 | 97,653  | 74,843  | 74,451  | 174.7                        | 179.0 | 158.0 | 120.6 | 119.9 |
| South                   | 225,443 | 206,328 | 203,689 | 174,627 | 174,952 | 252.1                        | 246.7 | 221.7 | 187.6 | 187.9 |
| West                    | 49,290  | 45,153  | 38,928  | 30,606  | 29,662  | 87.9                         | 79.4  | 67.6  | 52.3  | 50.7  |
| Guam                    | 83      | 110     | 90      | 56      | 47      | 58.8                         | 77.9  | 63.8  | 39.7  | 33.3  |
| Puerto Rico             | 527     | 500     | 618     | 648     | 526     | 14.6                         | 13.6  | 16.6  | 17.4  | 14.1  |
| Virgin Islands          | 84      | 60      | 31      | 12      | 40      | 75.8                         | 54.2  | 28.0  | 10.8  | 36.1  |
| OUTLYING AREAS          | 694     | 670     | 739     | 716     | 613     | 17.9                         | 17.0  | 18.6  | 18.0  | 15.4  |
| TOTAL                   | 445,272 | 420,140 | 393,361 | 327,238 | 325,514 | 170.2                        | 163.3 | 147.5 | 121.5 | 120.9 |

\*NR = No report (see Appendix).

<sup>1</sup>Includes cases reported by Washington, D.C.

**Table 15. Gonorrhea — Women — Reported cases and rates by state/area: United States and outlying areas, 1993–1997\***

| State/Area              | Cases   |         |         |         |         | Rates per 100,000 Population |       |       |       |       |
|-------------------------|---------|---------|---------|---------|---------|------------------------------|-------|-------|-------|-------|
|                         | 1993    | 1994    | 1995    | 1996    | 1997    | 1993                         | 1994  | 1995  | 1996  | 1997  |
| Alabama                 | 6,679   | 6,816   | 6,938   | 6,730   | 5,985   | 307.0                        | 310.5 | 313.6 | 303.3 | 269.7 |
| Alaska                  | 364     | 431     | 318     | 242     | 231     | 129.0                        | 150.6 | 111.4 | 84.1  | 80.3  |
| Arizona                 | 1,885   | 1,601   | 1,700   | 1,690   | 1,625   | 94.4                         | 77.7  | 79.7  | 75.6  | 72.7  |
| Arkansas                | 3,550   | 3,316   | 2,592   | 2,506   | 2,071   | 282.6                        | 261.2 | 201.7 | 193.4 | 159.8 |
| California              | 14,106  | 13,328  | 11,334  | 8,827   | 8,439   | 90.5                         | 84.8  | 71.8  | 55.5  | 53.0  |
| Colorado                | 1,941   | 1,765   | 1,401   | 1,028   | 1,227   | 108.0                        | 95.7  | 74.1  | 53.4  | 63.7  |
| Connecticut             | 2,335   | 2,439   | 2,075   | 1,815   | 1,588   | 138.2                        | 144.5 | 122.9 | 107.9 | 94.4  |
| Delaware                | 770     | 1,074   | 1,171   | 799     | 705     | 214.2                        | 294.8 | 318.1 | 215.0 | 189.7 |
| Florida                 | 10,086  | 11,144  | 9,439   | 9,409   | 9,513   | 142.5                        | 154.9 | 129.2 | 127.0 | 128.4 |
| Georgia                 | 6,544   | NR      | 9,995   | 9,806   | 9,532   | 184.4                        | .     | 270.2 | 260.1 | 252.8 |
| Hawaii                  | 356     | 369     | 290     | 244     | 261     | 61.9                         | 63.4  | 49.4  | 41.6  | 44.5  |
| Idaho                   | 102     | 53      | 68      | 53      | 83      | 18.5                         | 9.3   | 11.7  | 8.9   | 14.0  |
| Illinois                | 11,159  | 13,199  | 11,027  | 9,112   | 6,765   | 185.9                        | 218.7 | 181.6 | 150.3 | 111.6 |
| Indiana                 | 3,993   | 4,485   | 4,143   | 3,305   | 3,141   | 136.0                        | 151.6 | 138.9 | 110.4 | 104.9 |
| Iowa                    | 1,027   | 864     | 950     | 666     | 762     | 70.8                         | 59.4  | 65.1  | 45.6  | 52.1  |
| Kansas                  | 1,897   | 1,968   | 1,528   | 1,084   | 961     | 147.1                        | 151.6 | 117.2 | 83.0  | 73.6  |
| Kentucky                | 2,126   | 2,229   | 2,259   | 2,013   | 1,882   | 108.7                        | 113.0 | 113.6 | 100.8 | 94.2  |
| Louisiana               | 5,122   | 4,838   | 4,003   | 3,923   | 5,202   | 230.0                        | 216.1 | 177.6 | 174.1 | 230.9 |
| Maine                   | 35      | 58      | 56      | 27      | 33      | 5.5                          | 9.1   | 8.8   | 4.2   | 5.2   |
| Maryland                | 5,725   | 7,644   | 6,323   | 5,692   | 5,767   | 224.6                        | 297.1 | 243.9 | 218.8 | 221.6 |
| Massachusetts           | 1,426   | 1,562   | 1,231   | 1,146   | 1,151   | 45.7                         | 49.8  | 39.1  | 36.4  | 36.5  |
| Michigan                | 8,987   | 8,319   | 8,117   | 7,780   | 7,969   | 184.8                        | 170.5 | 165.5 | 158.2 | 162.1 |
| Minnesota               | 1,271   | 1,683   | 1,488   | 1,383   | 1,307   | 55.2                         | 72.5  | 63.6  | 58.6  | 55.4  |
| Mississippi             | 5,548   | 6,003   | 5,218   | 3,537   | 4,566   | 403.4                        | 431.7 | 371.5 | 250.6 | 323.4 |
| Missouri                | 5,859   | 5,876   | 5,315   | 4,193   | 4,269   | 216.3                        | 215.3 | 193.2 | 151.9 | 154.6 |
| Montana                 | 50      | 44      | 27      | 19      | 31      | 11.8                         | 10.2  | 6.2   | 4.3   | 7.0   |
| Nebraska                | 434     | 700     | 600     | 604     | 670     | 52.5                         | 84.3  | 71.7  | 71.7  | 79.5  |
| Nevada                  | 652     | 630     | 448     | 362     | 220     | 96.0                         | 88.1  | 59.6  | 46.1  | 28.0  |
| New Hampshire           | 43      | 50      | 70      | 95      | 57      | 7.5                          | 8.6   | 12.0  | 16.1  | 9.7   |
| New Jersey              | 2,798   | 2,263   | 2,706   | 3,743   | 3,573   | 68.9                         | 55.5  | 66.0  | 91.0  | 86.9  |
| New Mexico              | 547     | 646     | 583     | 459     | 509     | 66.7                         | 77.0  | 68.2  | 52.9  | 58.7  |
| New York                | 15,051  | 16,470  | 13,999  | 10,952  | 12,833  | 159.6                        | 174.5 | 148.7 | 116.2 | 136.2 |
| North Carolina          | 10,749  | 13,039  | 11,101  | 8,482   | 7,844   | 300.3                        | 358.3 | 299.7 | 225.3 | 208.4 |
| North Dakota            | 32      | 13      | 15      | 18      | 42      | 10.0                         | 4.1   | 4.7   | 5.6   | 13.0  |
| Ohio                    | 11,051  | 12,774  | 11,978  | 8,161   | 8,349   | 193.1                        | 222.4 | 207.8 | 141.6 | 144.9 |
| Oklahoma                | 2,356   | 2,512   | 2,764   | 2,610   | 2,416   | 142.2                        | 150.5 | 164.7 | 154.8 | 143.3 |
| Oregon                  | 565     | 438     | 387     | 418     | 348     | 36.7                         | 28.0  | 24.3  | 25.8  | 21.5  |
| Pennsylvania            | 8,472   | 6,452   | 6,805   | 5,730   | 5,396   | 135.4                        | 103.0 | 108.5 | 91.7  | 86.3  |
| Rhode Island            | 194     | 241     | 274     | 245     | 263     | 37.3                         | 46.5  | 53.3  | 47.7  | 51.2  |
| South Carolina          | 3,935   | 4,486   | 4,597   | 4,807   | 5,128   | 209.8                        | 236.9 | 241.9 | 251.4 | 268.2 |
| South Dakota            | 148     | 116     | 117     | 94      | 87      | 40.7                         | 31.6  | 31.6  | 25.3  | 23.4  |
| Tennessee               | 6,442   | 6,780   | 6,197   | 5,106   | 4,940   | 244.1                        | 252.9 | 227.7 | 185.9 | 179.8 |
| Texas                   | 13,889  | 13,670  | 15,008  | 11,933  | 13,797  | 151.9                        | 146.7 | 158.2 | 123.3 | 142.6 |
| Utah                    | 165     | 127     | 121     | 95      | 84      | 17.6                         | 13.2  | 12.3  | 9.5   | 8.4   |
| Vermont                 | 13      | 24      | 43      | 23      | 32      | 4.4                          | 8.1   | 14.5  | 7.7   | 10.7  |
| Virginia                | 5,089   | 6,025   | 4,886   | 4,495   | 4,227   | 154.2                        | 180.2 | 144.6 | 132.1 | 124.2 |
| Washington              | 1,755   | 1,370   | 1,301   | 929     | 972     | 66.3                         | 50.9  | 47.6  | 33.5  | 35.0  |
| West Virginia           | 354     | 429     | 459     | 363     | 512     | 37.5                         | 45.4  | 48.4  | 38.4  | 54.2  |
| Wisconsin               | 3,507   | 3,892   | 2,713   | 2,343   | 2,344   | 136.4                        | 150.3 | 104.0 | 89.4  | 89.4  |
| Wyoming                 | 51      | 44      | 30      | 25      | 30      | 21.8                         | 18.6  | 12.6  | 10.5  | 12.6  |
| U.S. TOTAL <sup>1</sup> | 193,544 | 197,117 | 188,445 | 160,962 | 161,658 | 146.6                        | 152.1 | 140.2 | 118.8 | 119.3 |
| Guam                    | 40      | 58      | 49      | 30      | 12      | 58.4                         | 84.7  | 71.6  | 43.8  | 17.5  |
| Puerto Rico             | 160     | 138     | 205     | 219     | 212     | 8.6                          | 7.3   | 10.7  | 11.4  | 11.1  |
| Virgin Islands          | 36      | 27      | 14      | 4       | 19      | 62.5                         | 46.9  | 24.3  | 6.9   | 33.0  |
| OUTLYING AREAS          | 236     | 223     | 268     | 253     | 243     | 11.8                         | 11.0  | 13.1  | 12.4  | 11.9  |
| TOTAL                   | 193,780 | 197,340 | 188,713 | 161,215 | 161,901 | 144.6                        | 149.9 | 138.2 | 117.2 | 117.7 |

\*NR = No report (see Appendix).

<sup>1</sup>Includes cases reported by Washington, D.C.

NOTE: Cases and rates underestimated in some areas because of under-reporting or non-reporting by gender.

**Table 16. Gonorrhea — Men — Reported cases and rates by state/area: United States and outlying areas, 1993–1997\***

| State/Area              | Cases   |         |         |         |         | Rates per 100,000 Population |       |       |       |       |
|-------------------------|---------|---------|---------|---------|---------|------------------------------|-------|-------|-------|-------|
|                         | 1993    | 1994    | 1995    | 1996    | 1997    | 1993                         | 1994  | 1995  | 1996  | 1997  |
| Alabama                 | 9,114   | 8,943   | 7,698   | 6,409   | 6,018   | 454.6                        | 442.0 | 377.2 | 312.0 | 292.9 |
| Alaska                  | 314     | 487     | 342     | 224     | 161     | 99.5                         | 152.6 | 107.5 | 70.2  | 50.4  |
| Arizona                 | 2,291   | 2,002   | 2,144   | 2,019   | 2,177   | 117.6                        | 99.4  | 102.8 | 92.1  | 99.3  |
| Arkansas                | 4,040   | 3,576   | 3,031   | 2,536   | 2,295   | 345.4                        | 302.3 | 252.9 | 208.9 | 189.0 |
| California              | 17,149  | 15,440  | 13,107  | 9,712   | 9,437   | 109.8                        | 98.2  | 83.0  | 60.8  | 59.1  |
| Colorado                | 1,862   | 1,867   | 1,402   | 992     | 1,093   | 105.4                        | 103.1 | 75.5  | 52.3  | 57.6  |
| Connecticut             | 2,323   | 2,328   | 1,980   | 1,573   | 1,439   | 146.3                        | 146.7 | 124.8 | 98.8  | 90.4  |
| Delaware                | 816     | 964     | 1,030   | 657     | 568     | 240.0                        | 279.4 | 295.1 | 186.0 | 160.8 |
| Florida                 | 13,813  | 13,223  | 11,435  | 9,772   | 9,566   | 207.8                        | 195.7 | 166.6 | 139.7 | 136.8 |
| Georgia                 | 9,197   | NR      | 11,030  | 10,000  | 8,916   | 274.3                        | .     | 315.0 | 279.1 | 248.8 |
| Hawaii                  | 508     | 331     | 273     | 253     | 243     | 86.0                         | 55.5  | 45.5  | 42.4  | 40.7  |
| Idaho                   | 69      | 45      | 81      | 45      | 75      | 12.6                         | 8.0   | 14.0  | 7.6   | 12.6  |
| Illinois                | 17,253  | 13,371  | 10,720  | 8,852   | 11,658  | 303.6                        | 233.9 | 186.2 | 153.0 | 201.5 |
| Indiana                 | 4,663   | 5,272   | 4,737   | 3,331   | 3,006   | 168.3                        | 188.7 | 168.0 | 117.0 | 105.6 |
| Iowa                    | 888     | 781     | 773     | 479     | 549     | 64.8                         | 56.8  | 55.9  | 34.5  | 39.5  |
| Kansas                  | 1,874   | 1,705   | 1,269   | 960     | 779     | 150.5                        | 135.8 | 100.6 | 75.8  | 61.5  |
| Kentucky                | 2,501   | 2,898   | 2,492   | 2,216   | 2,137   | 136.1                        | 156.3 | 133.2 | 117.4 | 113.3 |
| Louisiana               | 8,201   | 7,154   | 5,289   | 5,392   | 5,580   | 397.4                        | 344.6 | 253.3 | 257.1 | 266.0 |
| Maine                   | 45      | 35      | 38      | 28      | 33      | 7.4                          | 5.8   | 6.3   | 4.6   | 5.4   |
| Maryland                | 7,823   | 7,493   | 6,661   | 5,897   | 5,801   | 325.3                        | 308.5 | 271.9 | 238.8 | 234.9 |
| Massachusetts           | 1,692   | 1,597   | 1,427   | 1,043   | 1,074   | 58.4                         | 54.9  | 48.8  | 35.5  | 36.5  |
| Michigan                | 9,027   | 9,896   | 10,103  | 7,350   | 7,767   | 196.3                        | 214.3 | 217.5 | 157.2 | 166.1 |
| Minnesota               | 1,272   | 1,663   | 1,364   | 1,314   | 1,110   | 57.2                         | 74.0  | 60.1  | 57.2  | 48.3  |
| Mississippi             | 4,920   | 5,452   | 4,284   | 3,158   | 3,700   | 388.9                        | 426.3 | 331.4 | 242.1 | 283.6 |
| Missouri                | 7,289   | 6,681   | 6,011   | 4,228   | 3,636   | 288.5                        | 262.1 | 233.6 | 162.8 | 140.0 |
| Montana                 | 31      | 41      | 38      | 19      | 35      | 7.4                          | 9.6   | 8.8   | 4.3   | 8.0   |
| Nebraska                | 279     | 619     | 532     | 551     | 537     | 35.4                         | 78.1  | 66.5  | 68.1  | 66.4  |
| Nevada                  | 1,217   | 1,106   | 789     | 663     | 329     | 173.1                        | 149.1 | 101.3 | 81.1  | 40.2  |
| New Hampshire           | 40      | 53      | 48      | 58      | 39      | 7.3                          | 9.5   | 8.5   | 10.1  | 6.8   |
| New Jersey              | 3,646   | 3,006   | 3,077   | 4,972   | 4,011   | 95.9                         | 78.6  | 80.0  | 128.3 | 103.5 |
| New Mexico              | 467     | 484     | 471     | 431     | 348     | 58.7                         | 59.4  | 56.7  | 51.0  | 41.2  |
| New York                | 15,076  | 14,527  | 11,993  | 9,652   | 9,560   | 172.8                        | 166.3 | 137.5 | 110.2 | 109.1 |
| North Carolina          | 13,438  | 15,897  | 12,860  | 9,747   | 9,044   | 398.4                        | 463.6 | 368.5 | 273.9 | 254.2 |
| North Dakota            | 22      | 22      | 23      | 19      | 26      | 6.9                          | 6.9   | 7.2   | 5.9   | 8.1   |
| Ohio                    | 11,235  | 11,972  | 10,940  | 6,672   | 6,506   | 210.5                        | 223.4 | 203.1 | 123.3 | 120.3 |
| Oklahoma                | 2,389   | 2,366   | 2,313   | 2,287   | 2,340   | 151.6                        | 148.9 | 144.6 | 141.6 | 144.9 |
| Oregon                  | 624     | 540     | 467     | 469     | 425     | 41.7                         | 35.5  | 30.2  | 29.6  | 26.8  |
| Pennsylvania            | 9,753   | 6,732   | 6,233   | 5,073   | 4,571   | 168.9                        | 116.3 | 107.5 | 87.4  | 78.8  |
| Rhode Island            | 233     | 237     | 271     | 241     | 159     | 48.5                         | 49.5  | 57.0  | 50.6  | 33.4  |
| South Carolina          | 6,918   | 8,382   | 7,388   | 6,828   | 6,340   | 394.3                        | 473.5 | 416.7 | 382.1 | 354.8 |
| South Dakota            | 122     | 127     | 120     | 82      | 86      | 34.5                         | 35.6  | 33.4  | 22.7  | 23.8  |
| Tennessee               | 7,843   | 8,965   | 7,695   | 6,603   | 6,083   | 319.5                        | 359.4 | 303.6 | 256.7 | 236.5 |
| Texas                   | 16,234  | 16,087  | 15,793  | 11,191  | 12,815  | 182.8                        | 177.6 | 171.0 | 118.4 | 135.6 |
| Utah                    | 185     | 176     | 185     | 182     | 194     | 20.0                         | 18.5  | 19.1  | 18.3  | 19.5  |
| Vermont                 | 12      | 16      | 26      | 24      | 21      | 4.2                          | 5.6   | 9.0   | 8.3   | 7.2   |
| Virginia                | 6,933   | 7,349   | 5,414   | 4,783   | 4,432   | 218.5                        | 229.1 | 167.1 | 146.2 | 135.5 |
| Washington              | 1,985   | 1,523   | 1,464   | 1,091   | 996     | 76.0                         | 57.4  | 54.3  | 39.6  | 36.1  |
| West Virginia           | 281     | 376     | 401     | 373     | 445     | 32.1                         | 42.9  | 45.5  | 42.3  | 50.5  |
| Wisconsin               | 3,368   | 3,884   | 2,811   | 2,138   | 1,972   | 136.2                        | 155.9 | 111.8 | 84.2  | 77.7  |
| Wyoming                 | 34      | 38      | 21      | 16      | 24      | 14.4                         | 15.9  | 8.7   | 6.6   | 9.9   |
| U.S. TOTAL <sup>1</sup> | 235,162 | 221,738 | 203,543 | 165,196 | 162,793 | 186.9                        | 179.3 | 158.7 | 127.3 | 125.4 |
| Guam                    | 43      | 52      | 41      | 26      | 35      | 59.2                         | 71.6  | 56.4  | 35.8  | 48.2  |
| Puerto Rico             | 367     | 362     | 413     | 429     | 314     | 20.9                         | 20.3  | 22.9  | 23.8  | 17.4  |
| Virgin Islands          | 48      | 33      | 17      | 8       | 21      | 90.2                         | 62.0  | 32.0  | 15.0  | 39.5  |
| OUTLYING AREAS          | 458     | 447     | 471     | 463     | 370     | 24.4                         | 23.4  | 24.4  | 24.0  | 19.2  |
| TOTAL                   | 235,620 | 222,185 | 204,014 | 165,659 | 163,163 | 184.5                        | 177.0 | 156.7 | 125.7 | 123.9 |

\*NR = No report (see Appendix).

<sup>1</sup>Includes cases reported by Washington, D.C.

NOTE: Cases and rates underestimated in some areas because of under-reporting or non-reporting by gender.

**Table 17. Gonorrhea — Reported cases and rates in selected cities of >200,000 population, ranked according to rates: United States and outlying areas, 1997**

| <i>Rank</i> | <i>City</i>                | <i>Cases</i> | <i>Rate per 100,000 Population</i> |
|-------------|----------------------------|--------------|------------------------------------|
| 1           | Baltimore, MD              | 6,693        | 991.0                              |
| 2           | Washington, DC             | 4,557        | 838.9                              |
| 3           | St Louis, MO               | 2,901        | 825.2                              |
| 4           | Rochester, NY              | 1,867        | 769.6                              |
| 5           | Atlanta, GA                | 5,468        | 761.2                              |
| 6           | Detroit, MI                | 7,887        | 755.2                              |
| 7           | Richmond, VA               | 1,466        | 739.4                              |
| 8           | Newark, NJ                 | 1,967        | 688.6                              |
| 9           | Norfolk, VA                | 1,462        | 626.3                              |
| 10          | New Orleans, LA            | 2,743        | 575.5                              |
| 11          | Memphis, TN                | 4,876        | 562.1                              |
| 12          | Oklahoma City, OK          | 2,080        | 471.9                              |
| 13          | Birmingham, AL             | 3,104        | 468.9                              |
| 14          | Kansas City, MO            | 2,000        | 448.5                              |
| 15          | Philadelphia, PA           | 6,504        | 440.1                              |
| 16          | Chicago, IL                | 11,498       | 393.0                              |
| 17          | Nashville, TN              | 2,050        | 383.2                              |
| 18          | Minneapolis, MN            | 1,430        | 371.1                              |
| 19          | Buffalo, NY                | 1,172        | 362.4                              |
| 20          | Milwaukee, WI              | 3,303        | 358.1                              |
| 21          | Indianapolis, IN           | 2,912        | 356.2                              |
| 22          | Dallas, TX                 | 6,645        | 332.2                              |
| 23          | Cincinnati, OH             | 2,552        | 297.6                              |
| 24          | Jacksonville, FL           | 2,089        | 289.7                              |
| 25          | Charlotte, NC              | 1,703        | 285.0                              |
| 26          | Tulsa, OK                  | 1,048        | 273.8                              |
| 27          | Louisville, KY             | 1,817        | 270.0                              |
| 28          | Tampa, FL                  | 2,246        | 250.2                              |
| 29          | Denver, CO                 | 1,147        | 230.4                              |
| 30          | Austin, TX                 | 1,531        | 223.8                              |
| 31          | Columbus, OH               | 2,218        | 218.8                              |
| 32          | Houston, TX                | 6,606        | 211.3                              |
| 33          | New York City, NY          | 15,592       | 211.2                              |
| 34          | San Francisco, CA          | 1,510        | 205.4                              |
| 35          | Cleveland, OH              | 2,743        | 195.7                              |
| 36          | Dayton, OH                 | 1,070        | 188.9                              |
| 37          | Omaha, NE                  | 819          | 186.6                              |
| 38          | Jersey City, NJ            | 373          | 171.9                              |
| 39          | Boston, MA                 | 939          | 167.9                              |
| 40          | St Paul, MN                | 383          | 138.7                              |
| 41          | St Petersburg, FL          | 1,201        | 138.2                              |
| 42          | Fort Worth, TX             | 1,759        | 134.8                              |
| 43          | San Antonio, TX            | 1,751        | 132.8                              |
| 44          | Oakland, CA                | 1,559        | 128.4                              |
| 45          | Akron, OH                  | 669          | 126.1                              |
| 46          | Wichita, KS                | 527          | 124.8                              |
| 47          | Sacramento, CA             | 1,380        | 123.5                              |
| 48          | Phoenix, AZ                | 3,007        | 115.2                              |
| 49          | Corpus Christi, TX         | 351          | 111.2                              |
| 50          | Miami, FL                  | 2,168        | 104.4                              |
| 51          | Albuquerque, NM            | 544          | 103.3                              |
|             | <b>YEAR 2000 OBJECTIVE</b> |              | <b>100.0</b>                       |
| 52          | Portland, OR               | 478          | 96.9                               |
| 53          | Des Moines, IA             | 330          | 93.2                               |
| 54          | Pittsburgh, PA             | 1,026        | 79.2                               |
| 55          | Toledo, OH                 | 346          | 76.4                               |
| 56          | Tucson, AZ                 | 575          | 74.9                               |
| 57          | Los Angeles, CA            | 5,810        | 68.0                               |
| 58          | Seattle, WA                | 926          | 57.2                               |
| 59          | San Diego, CA              | 1,509        | 56.8                               |
| 60          | Honolulu, HI               | 478          | 54.8                               |
| 61          | Yonkers, NY                | 79           | 41.1                               |
| 62          | San Jose, CA               | 471          | 29.4                               |
| 63          | San Juan, PR               | 233          | 26.7                               |
| 64          | El Paso, TX                | 155          | 22.6                               |

**Table 18. Gonorrhea — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997\***

| City               | Cases   |         |         |         |         | Rates per 100,000 Population |         |         |       |       |
|--------------------|---------|---------|---------|---------|---------|------------------------------|---------|---------|-------|-------|
|                    | 1993    | 1994    | 1995    | 1996    | 1997    | 1993                         | 1994    | 1995    | 1996  | 1997  |
| Akron, OH          | 1,410   | 1,285   | 1,043   | 646     | 669     | 268.4                        | 243.4   | 196.7   | 121.8 | 126.1 |
| Albuquerque, NM    | 560     | 759     | 625     | 560     | 544     | 110.5                        | 147.2   | 119.7   | 106.3 | 103.3 |
| Atlanta, GA        | 5,002   | .       | 7,330   | 5,211   | 5,468   | 739.2                        | .       | 1,046.1 | 725.4 | 761.2 |
| Austin, TX         | 1,271   | 1,349   | 1,600   | 1,363   | 1,531   | 201.5                        | 208.7   | 240.7   | 199.3 | 223.8 |
| Baltimore, MD      | 8,591   | 9,099   | 6,928   | 6,495   | 6,693   | 1,201.1                      | 1,294.3 | 1,002.4 | 961.7 | 991.0 |
| Birmingham, AL     | 5,433   | 5,309   | 4,321   | 3,239   | 3,104   | 827.7                        | 808.5   | 656.9   | 489.3 | 468.9 |
| Boston, MA         | 1,205   | 1,199   | 917     | 821     | 939     | 218.1                        | 218.4   | 165.0   | 146.8 | 167.9 |
| Buffalo, NY        | 1,945   | 1,768   | 1,691   | 1,284   | 1,172   | 591.1                        | 539.0   | 518.5   | 397.0 | 362.4 |
| Charlotte, NC      | 2,669   | 4,137   | 2,146   | 1,823   | 1,703   | 486.5                        | 733.9   | 370.3   | 305.1 | 285.0 |
| Chicago, IL        | 19,123  | 16,868  | 12,586  | 11,383  | 11,498  | 648.0                        | 571.6   | 426.9   | 389.1 | 393.0 |
| Cincinnati, OH     | 4,355   | 2,822   | 2,590   | 1,442   | 2,552   | 500.0                        | 325.2   | 299.8   | 168.1 | 297.6 |
| Cleveland, OH      | 5,226   | 6,580   | 5,746   | 3,362   | 2,743   | 371.1                        | 468.9   | 411.0   | 239.9 | 195.7 |
| Columbus, OH       | 3,119   | 4,009   | 2,887   | 1,480   | 2,218   | 312.0                        | 398.8   | 285.6   | 146.0 | 218.8 |
| Corpus Christi, TX | 362     | 344     | 373     | 367     | 351     | 118.5                        | 110.7   | 119.3   | 116.2 | 111.2 |
| Dallas, TX         | 6,820   | 6,170   | 8,027   | 5,795   | 6,645   | 353.9                        | 317.7   | 409.7   | 289.7 | 332.2 |
| Dayton, OH         | 1,518   | 1,925   | 1,603   | 954     | 1,070   | 263.6                        | 336.5   | 281.0   | 168.5 | 188.9 |
| Denver, CO         | 2,031   | 1,735   | 1,375   | 992     | 1,147   | 412.0                        | 351.5   | 278.1   | 199.3 | 230.4 |
| Des Moines, IA     | 482     | 431     | 362     | 310     | 330     | 140.7                        | 124.6   | 103.6   | 87.5  | 93.2  |
| Detroit, MI        | 9,275   | 8,637   | 8,553   | 7,048   | 7,887   | 871.4                        | 817.0   | 812.7   | 674.8 | 755.2 |
| El Paso, TX        | 279     | 171     | 159     | 157     | 155     | 43.1                         | 25.7    | 23.4    | 22.9  | 22.6  |
| Fort Worth, TX     | 2,722   | 2,752   | 2,442   | 1,331   | 1,759   | 220.8                        | 218.9   | 191.0   | 102.0 | 134.8 |
| Honolulu, HI       | 834     | 675     | 543     | 457     | 478     | 96.2                         | 77.2    | 61.9    | 52.4  | 54.8  |
| Houston, TX        | 7,732   | 7,429   | 6,984   | 5,999   | 6,606   | 257.2                        | 244.0   | 227.0   | 191.8 | 211.3 |
| Indianapolis, IN   | 4,254   | 5,430   | 4,709   | 3,178   | 2,912   | 521.9                        | 663.8   | 575.9   | 388.7 | 356.2 |
| Jacksonville, FL   | 3,501   | 3,555   | 2,476   | 2,352   | 2,089   | 498.2                        | 505.3   | 352.9   | 326.2 | 289.7 |
| Jersey City, NJ    | 324     | 298     | 223     | 371     | 373     | 148.4                        | 136.6   | 102.6   | 170.5 | 171.9 |
| Kansas City, MO    | 3,160   | 2,997   | 3,186   | 2,401   | 2,000   | 722.8                        | 684.3   | 726.4   | 538.4 | 448.5 |
| Los Angeles, CA    | 10,984  | 9,143   | 7,935   | 5,716   | 5,810   | 128.5                        | 106.8   | 92.8    | 66.9  | 68.0  |
| Louisville, KY     | 2,420   | 2,637   | 2,441   | 2,059   | 1,817   | 360.5                        | 392.2   | 362.7   | 305.9 | 270.0 |
| Memphis, TN        | 6,997   | 6,973   | 6,108   | 5,242   | 4,876   | 824.7                        | 813.1   | 706.1   | 604.3 | 562.1 |
| Miami, FL          | 3,204   | 2,857   | 2,338   | 2,317   | 2,168   | 160.0                        | 141.1   | 115.1   | 111.6 | 104.4 |
| Milwaukee, WI      | 3,487   | 6,284   | 4,160   | 3,528   | 3,303   | 368.3                        | 669.9   | 446.7   | 382.5 | 358.1 |
| Minneapolis, MN    | 1,481   | 1,933   | 1,689   | 1,548   | 1,430   | 389.1                        | 505.5   | 440.5   | 401.7 | 371.1 |
| Nashville, TN      | 2,388   | 3,110   | 2,622   | 2,033   | 2,050   | 457.7                        | 589.9   | 494.0   | 380.0 | 383.2 |
| New Orleans, LA    | 5,003   | 4,056   | 3,353   | 3,013   | 2,743   | 1,026.7                      | 837.8   | 695.8   | 632.2 | 575.5 |
| New York City, NY  | 19,240  | 19,491  | 16,499  | 12,998  | 15,592  | 262.6                        | 265.8   | 225.6   | 176.1 | 211.2 |
| Newark, NJ         | 1,354   | 1,464   | 2,222   | 2,710   | 1,967   | 463.7                        | 504.7   | 772.8   | 947.0 | 688.6 |
| Norfolk, VA        | 2,503   | 2,519   | 1,679   | 1,451   | 1,462   | 1,016.3                      | 1,043.4 | 706.7   | 621.6 | 626.3 |
| Oakland, CA        | 1,177   | 1,185   | 2,195   | 1,714   | 1,559   | 97.9                         | 98.3    | 181.5   | 141.2 | 128.4 |
| Oklahoma City, OK  | 1,859   | 1,763   | 2,028   | 1,986   | 2,080   | 430.5                        | 404.4   | 464.0   | 450.6 | 471.9 |
| Omaha, NE          | 566     | 1,060   | 880     | 612     | 819     | 132.1                        | 246.3   | 202.7   | 139.5 | 186.6 |
| Philadelphia, PA   | 10,580  | 8,026   | 6,565   | 6,415   | 6,504   | 687.4                        | 526.6   | 438.0   | 434.0 | 440.1 |
| Phoenix, AZ        | 3,218   | 2,797   | 3,149   | 2,906   | 3,007   | 141.8                        | 119.2   | 129.5   | 111.3 | 115.2 |
| Pittsburgh, PA     | 3,730   | 2,602   | 1,598   | 1,058   | 1,026   | 280.6                        | 197.0   | 122.0   | 81.6  | 79.2  |
| Portland, OR       | 750     | 706     | 543     | 564     | 478     | 156.1                        | 146.3   | 112.1   | 114.4 | 96.9  |
| Richmond, VA       | 2,029   | 2,621   | 2,371   | 1,737   | 1,466   | 1,004.3                      | 1,300.9 | 1,195.8 | 876.1 | 739.4 |
| Rochester, NY      | 2,575   | 2,876   | 2,210   | 2,126   | 1,867   | 1,053.4                      | 1,177.5 | 909.5   | 876.4 | 769.6 |
| Sacramento, CA     | 1,435   | 1,570   | 1,828   | 1,393   | 1,380   | 130.8                        | 143.0   | 165.7   | 124.7 | 123.5 |
| San Antonio, TX    | 1,759   | 1,738   | 1,914   | 1,349   | 1,751   | 140.0                        | 135.8   | 147.6   | 102.3 | 132.8 |
| San Diego, CA      | 3,264   | 2,837   | 2,176   | 1,815   | 1,509   | 125.0                        | 107.8   | 82.3    | 68.3  | 56.8  |
| San Francisco, CA  | 2,048   | 1,885   | 1,853   | 1,626   | 1,510   | 279.5                        | 256.6   | 253.6   | 221.1 | 205.4 |
| San Jose, CA       | 763     | 735     | 492     | 481     | 471     | 49.4                         | 47.2    | 31.4    | 30.1  | 29.4  |
| Seattle, WA        | 1,562   | 1,213   | 1,295   | 925     | 926     | 99.0                         | 76.4    | 81.2    | 57.1  | 57.2  |
| St Louis, MO       | 5,726   | 5,228   | 4,425   | 2,890   | 2,901   | 1,521.7                      | 1,419.8 | 1,233.6 | 822.0 | 825.2 |
| St Paul, MN        | 493     | 656     | 560     | 597     | 383     | 178.4                        | 238.1   | 203.8   | 216.2 | 138.7 |
| St Petersburg, FL  | 1,280   | 1,787   | 1,545   | 1,165   | 1,201   | 148.0                        | 206.1   | 177.4   | 134.1 | 138.2 |
| Tampa, FL          | 2,395   | 2,181   | 1,833   | 1,574   | 2,246   | 276.4                        | 249.5   | 207.2   | 175.4 | 250.2 |
| Toledo, OH         | 1,556   | 2,262   | 944     | 419     | 346     | 339.2                        | 494.3   | 207.5   | 92.6  | 76.4  |
| Tucson, AZ         | 529     | 439     | 359     | 518     | 575     | 74.5                         | 60.0    | 47.7    | 67.5  | 74.9  |
| Tulsa, OK          | 1,359   | 1,444   | 1,452   | 1,284   | 1,048   | 361.4                        | 382.3   | 384.0   | 335.5 | 273.8 |
| Washington, DC     | 6,162   | 6,827   | 5,687   | 4,432   | 4,557   | 1,066.1                      | 1,203.9 | 1,026.1 | 815.9 | 838.9 |
| Wichita, KS        | 1,279   | 1,078   | 713     | 585     | 527     | 305.5                        | 257.1   | 170.0   | 138.5 | 124.8 |
| Yonkers, NY        | 107     | 131     | 121     | 98      | 79      | 56.2                         | 68.5    | 63.2    | 51.0  | 41.1  |
| U.S. CITY TOTAL    | 220,465 | 213,847 | 191,207 | 153,705 | 158,070 | 322.6                        | 314.5   | 277.6   | 221.4 | 227.6 |
| San Juan, PR       | 292     | 256     | 349     | 343     | 233     | 33.5                         | 29.4    | 40.0    | 39.3  | 26.7  |
| TOTAL              | 220,757 | 214,103 | 191,556 | 154,048 | 158,303 | 319.0                        | 310.9   | 274.6   | 219.1 | 225.2 |

\*NR = No report (see Appendix).

**Table 19. Gonorrhea — Women — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997\***

| City               | Cases  |        |        |        |        | Rates per 100,000 Population |         |       |       |       |
|--------------------|--------|--------|--------|--------|--------|------------------------------|---------|-------|-------|-------|
|                    | 1993   | 1994   | 1995   | 1996   | 1997   | 1993                         | 1994    | 1995  | 1996  | 1997  |
| Akron, OH          | 739    | 761    | 600    | 366    | 356    | 270.2                        | 276.9   | 217.5 | 132.8 | 129.1 |
| Albuquerque, NM    | 307    | 418    | 324    | 261    | 306    | 118.4                        | 158.5   | 121.3 | 97.0  | 113.8 |
| Atlanta, GA        | 2,194  | .      | 3,426  | 2,437  | 2,544  | 620.1                        | .       | 935.4 | 650.0 | 678.5 |
| Austin, TX         | 599    | 705    | 815    | 714    | 860    | 190.0                        | 218.2   | 245.3 | 208.2 | 250.8 |
| Baltimore, MD      | 3,576  | 4,592  | 3,065  | 3,054  | 3,279  | 937.2                        | 1,224.2 | 830.8 | 846.8 | 909.2 |
| Birmingham, AL     | 2,387  | 2,423  | 2,145  | 1,668  | 1,566  | 682.5                        | 692.7   | 612.3 | 474.0 | 445.0 |
| Boston, MA         | 495    | 585    | 432    | 405    | 445    | 172.6                        | 205.3   | 149.8 | 139.9 | 153.7 |
| Buffalo, NY        | 990    | 1,029  | 984    | 772    | 720    | 575.4                        | 600.3   | 577.7 | 457.5 | 426.7 |
| Charlotte, NC      | 1,174  | 1,578  | 823    | 737    | 644    | 412.4                        | 539.6   | 273.9 | 238.2 | 208.1 |
| Chicago, IL        | 6,741  | 8,430  | 6,507  | 5,710  | 3,087  | 440.1                        | 550.4   | 425.2 | 377.3 | 204.0 |
| Cincinnati, OH     | 2,000  | 1,253  | 1,268  | 1,007  | 1,515  | 436.1                        | 274.3   | 278.8 | 223.4 | 336.1 |
| Cleveland, OH      | 2,407  | 3,323  | 2,856  | 1,881  | 1,573  | 322.5                        | 446.9   | 385.5 | 253.7 | 212.2 |
| Columbus, OH       | 1,511  | 2,085  | 1,498  | 797    | 1,214  | 292.0                        | 400.6   | 286.2 | 152.0 | 231.6 |
| Corpus Christi, TX | 106    | 139    | 192    | 192    | 163    | 67.9                         | 87.5    | 120.1 | 119.4 | 101.3 |
| Dallas, TX         | 3,020  | 2,631  | 3,758  | 3,121  | 3,319  | 308.7                        | 267.0   | 378.2 | 307.3 | 326.8 |
| Dayton, OH         | 800    | 1,083  | 876    | 458    | 502    | 266.8                        | 363.6   | 295.0 | 155.6 | 170.5 |
| Denver, CO         | 1,009  | 827    | 646    | 474    | 582    | 398.6                        | 326.1   | 254.3 | 185.4 | 227.6 |
| Des Moines, IA     | 234    | 210    | 181    | 169    | 160    | 130.7                        | 116.3   | 99.2  | 91.6  | 86.8  |
| Detroit, MI        | 4,469  | 3,290  | 3,080  | 3,312  | 3,743  | 798.3                        | 591.6   | 556.4 | 603.6 | 682.2 |
| El Paso, TX        | 138    | 93     | 72     | 75     | 76     | 41.4                         | 27.1    | 20.6  | 21.3  | 21.6  |
| Fort Worth, TX     | 1,707  | 1,371  | 1,239  | 748    | 1,014  | 274.1                        | 216.0   | 192.0 | 113.2 | 153.5 |
| Honolulu, HI       | 347    | 353    | 284    | 223    | 249    | 81.2                         | 81.8    | 65.5  | 51.6  | 57.6  |
| Houston, TX        | 2,803  | 2,813  | 2,976  | 2,636  | 3,082  | 85.5                         | 183.9   | 192.6 | 167.7 | 196.1 |
| Indianapolis, IN   | 2,072  | 2,565  | 2,186  | 1,550  | 1,401  | 484.6                        | 597.8   | 509.9 | 362.0 | 327.2 |
| Jacksonville, FL   | 1,432  | 1,399  | 1,025  | 1,129  | 1,009  | 397.9                        | 388.0   | 284.9 | 303.5 | 271.2 |
| Jersey City, NJ    | 111    | 108    | 100    | 175    | 204    | 98.6                         | 95.9    | 89.2  | 156.4 | 182.7 |
| Kansas City, MO    | 1,548  | 1,465  | 1,556  | 1,212  | 1,164  | 675.9                        | 638.7   | 677.6 | 520.2 | 499.6 |
| Los Angeles, CA    | 5,062  | 3,987  | 3,361  | 2,612  | 2,645  | 118.0                        | 92.6    | 78.1  | 61.1  | 61.9  |
| Louisville, KY     | 1,071  | 1,057  | 1,039  | 889    | 745    | 302.1                        | 297.7   | 292.4 | 250.7 | 210.1 |
| Memphis, TN        | 3,189  | 2,904  | 2,711  | 2,303  | 2,175  | 717.7                        | 646.7   | 598.7 | 507.8 | 479.6 |
| Miami, FL          | 705    | 937    | 767    | 1,048  | 987    | 67.5                         | 88.7    | 72.3  | 97.2  | 91.6  |
| Milwaukee, WI      | 1,722  | 3,266  | 1,954  | 1,832  | 1,707  | 346.2                        | 662.8   | 399.6 | 379.0 | 353.1 |
| Minneapolis, MN    | 670    | 877    | 808    | 740    | 737    | 341.7                        | 445.3   | 409.2 | 373.6 | 372.1 |
| Nashville, TN      | 958    | 1,222  | 1,035  | 779    | 845    | 349.6                        | 441.5   | 371.5 | 277.8 | 301.3 |
| New Orleans, LA    | 1,410  | 1,262  | 1,088  | 1,216  | 1,226  | 539.8                        | 486.1   | 420.8 | 476.0 | 479.9 |
| New York City, NY  | 9,680  | 10,383 | 8,792  | 6,788  | 9,101  | 249.4                        | 267.3   | 227.1 | 174.1 | 233.4 |
| Newark, NJ         | 473    | 458    | 994    | 998    | 848    | 307.3                        | 299.5   | 656.0 | 663.6 | 564.5 |
| Norfolk, VA        | 996    | 1,004  | 722    | 614    | 632    | 858.8                        | 879.2   | 640.2 | 544.0 | 560.0 |
| Oakland, CA        | 612    | 494    | 1,316  | 1,004  | 901    | 100.1                        | 80.5    | 213.6 | 162.2 | 145.5 |
| Oklahoma City, OK  | 1,005  | 946    | 1,115  | 1,010  | 1,012  | 448.6                        | 418.2   | 491.9 | 443.0 | 443.8 |
| Omaha, NE          | 285    | 553    | 462    | 314    | 459    | 128.5                        | 248.3   | 205.7 | 138.5 | 202.5 |
| Philadelphia, PA   | 4,586  | 3,809  | 3,330  | 3,387  | 3,507  | 556.8                        | 466.9   | 415.0 | 428.1 | 443.3 |
| Phoenix, AZ        | 1,403  | 1,171  | 1,325  | 1,243  | 1,209  | 121.9                        | 98.5    | 107.5 | 94.1  | 91.5  |
| Pittsburgh, PA     | 1,848  | 1,335  | 875    | 574    | 543    | 262.0                        | 190.5   | 125.9 | 83.5  | 79.0  |
| Portland, OR       | 351    | 311    | 243    | 272    | 203    | 142.5                        | 125.7   | 97.9  | 107.8 | 80.5  |
| Richmond, VA       | 848    | 1,015  | 1,067  | 817    | 648    | 771.3                        | 924.2   | 986.4 | 755.6 | 599.3 |
| Rochester, NY      | 1,324  | 1,565  | 1,219  | 1,107  | 959    | 1,043.5                      | 1,234.9 | 967.4 | 881.1 | 763.3 |
| Sacramento, CA     | 1,009  | 975    | 1,013  | 736    | 765    | 180.4                        | 174.1   | 180.0 | 128.9 | 133.9 |
| San Antonio, TX    | 883    | 866    | 998    | 708    | 955    | 136.4                        | 131.3   | 149.3 | 104.2 | 140.6 |
| San Diego, CA      | 213    | 291    | 834    | 883    | 660    | 16.6                         | 22.5    | 64.0  | 66.6  | 49.7  |
| San Francisco, CA  | 617    | 697    | 598    | 390    | 298    | 168.0                        | 188.9   | 162.7 | 104.9 | 80.2  |
| San Jose, CA       | 400    | 351    | 270    | 254    | 205    | 52.5                         | 45.6    | 34.9  | 32.1  | 25.9  |
| Seattle, WA        | 673    | 541    | 533    | 349    | 409    | 84.1                         | 67.2    | 65.9  | 42.6  | 49.9  |
| St Louis, MO       | 2,253  | 2,206  | 1,897  | 1,302  | 1,449  | 1,099.5                      | 1,100.6 | 971.7 | 682.0 | 759.0 |
| St Paul, MN        | 264    | 354    | 298    | 314    | 203    | 183.2                        | 246.4   | 208.1 | 218.7 | 141.4 |
| St Petersburg, FL  | 585    | 875    | 706    | 619    | 648    | 127.0                        | 189.4   | 152.2 | 134.0 | 140.3 |
| Tampa, FL          | 1,048  | 986    | 830    | 752    | 1,214  | 235.9                        | 219.9   | 182.9 | 163.7 | 264.3 |
| Toledo, OH         | 784    | 1,071  | 466    | 221    | 162    | 327.1                        | 448.0   | 196.1 | 93.6  | 68.6  |
| Tucson, AZ         | 269    | 229    | 194    | 283    | 285    | 74.1                         | 61.3    | 50.5  | 72.4  | 72.9  |
| Tulsa, OK          | 593    | 668    | 715    | 670    | 509    | 304.6                        | 341.7   | 365.6 | 339.3 | 257.8 |
| Washington, DC     | 2,309  | 2,818  | 2,237  | 1,841  | 1,919  | 749.4                        | 931.6   | 756.4 | 637.4 | 664.4 |
| Wichita, KS        | 627    | 555    | 394    | 301    | 271    | 293.8                        | 259.7   | 184.4 | 139.9 | 126.0 |
| Yonkers, NY        | 46     | 69     | 62     | 54     | 35     | 46.0                         | 68.9    | 61.8  | 53.7  | 34.8  |
| U.S. CITY TOTAL    | 95,687 | 97,637 | 89,182 | 74,507 | 75,853 | 271.8                        | 278.8   | 251.3 | 208.5 | 212.3 |
| San Juan, PR       | 77     | 52     | 102    | 102    | 83     | 16.1                         | 10.8    | 21.3  | 21.3  | 17.3  |
| TOTAL              | 95,764 | 97,689 | 89,284 | 74,609 | 75,936 | 268.3                        | 275.2   | 248.2 | 206.0 | 209.7 |

\*NR = No report (see Appendix).

**Table 20. Gonorrhea — Men — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997\***

| City               | Cases   |         |         |        |        | Rates per 100,000 Population |         |         |         |         |
|--------------------|---------|---------|---------|--------|--------|------------------------------|---------|---------|---------|---------|
|                    | 1993    | 1994    | 1995    | 1996   | 1997   | 1993                         | 1994    | 1995    | 1996    | 1997    |
| Akron, OH          | 671     | 524     | 440     | 277    | 310    | 266.6                        | 207.1   | 173.1   | 108.7   | 121.6   |
| Albuquerque, NM    | 253     | 341     | 301     | 299    | 238    | 102.3                        | 135.4   | 117.9   | 116.0   | 92.4    |
| Atlanta, GA        | 2,808   |         | 3,904   | 2,774  | 2,917  | 869.7                        |         | 1,167.4 | 807.8   | 849.4   |
| Austin, TX         | 672     | 644     | 785     | 649    | 671    | 213.1                        | 199.2   | 236.1   | 190.3   | 196.8   |
| Baltimore, MD      | 5,015   | 4,507   | 3,863   | 3,441  | 3,414  | 1,502.7                      | 1,374.6 | 1,198.9 | 1,093.2 | 1,084.7 |
| Birmingham, AL     | 3,046   | 2,801   | 2,146   | 1,569  | 1,531  | 993.2                        | 912.9   | 697.9   | 506.1   | 493.8   |
| Boston, MA         | 710     | 614     | 485     | 416    | 494    | 267.2                        | 232.5   | 181.3   | 154.2   | 183.1   |
| Buffalo, NY        | 955     | 739     | 707     | 512    | 452    | 608.2                        | 471.9   | 453.7   | 331.0   | 292.2   |
| Charlotte, NC      | 1,495   | 2,559   | 1,323   | 1,086  | 1,059  | 566.4                        | 943.4   | 474.3   | 376.8   | 367.5   |
| Chicago, IL        | 12,382  | 8,438   | 6,079   | 5,673  | 8,411  | 872.3                        | 594.4   | 428.6   | 401.8   | 595.7   |
| Cincinnati, OH     | 2,355   | 1,569   | 1,308   | 432    | 1,023  | 571.0                        | 381.9   | 319.7   | 106.2   | 251.4   |
| Cleveland, OH      | 2,819   | 3,257   | 2,855   | 1,462  | 1,153  | 425.9                        | 493.8   | 434.3   | 221.5   | 174.7   |
| Columbus, OH       | 1,608   | 1,924   | 1,371   | 675    | 997    | 333.5                        | 396.9   | 281.2   | 137.9   | 203.7   |
| Corpus Christi, TX | 256     | 205     | 181     | 175    | 188    | 171.4                        | 134.9   | 118.4   | 113.0   | 121.4   |
| Dallas, TX         | 3,800   | 3,539   | 4,269   | 2,674  | 3,326  | 400.5                        | 369.9   | 442.1   | 271.6   | 337.8   |
| Dayton, OH         | 718     | 842     | 726     | 493    | 566    | 260.1                        | 307.0   | 265.4   | 181.3   | 208.2   |
| Denver, CO         | 1,022   | 908     | 729     | 517    | 565    | 426.2                        | 378.3   | 303.3   | 213.5   | 233.3   |
| Des Moines, IA     | 248     | 221     | 181     | 141    | 170    | 151.6                        | 133.7   | 108.3   | 83.1    | 100.2   |
| Detroit, MI        | 4,806   | 5,347   | 5,473   | 3,736  | 4,144  | 952.5                        | 1,067.1 | 1,097.2 | 753.7   | 836.0   |
| El Paso, TX        | 141     | 78      | 87      | 82     | 79     | 45.0                         | 24.2    | 26.5    | 24.7    | 23.8    |
| Fort Worth, TX     | 1,015   | 1,381   | 1,203   | 583    | 745    | 166.3                        | 221.9   | 190.0   | 90.5    | 115.6   |
| Honolulu, HI       | 487     | 322     | 259     | 234    | 229    | 110.9                        | 72.7    | 58.4    | 53.2    | 52.1    |
| Houston, TX        | 4,929   | 4,616   | 4,008   | 3,363  | 3,524  | 329.8                        | 304.7   | 261.7   | 216.2   | 226.6   |
| Indianapolis, IN   | 2,182   | 2,865   | 2,523   | 1,627  | 1,511  | 563.2                        | 736.6   | 648.7   | 417.9   | 388.1   |
| Jacksonville, FL   | 2,069   | 2,156   | 1,451   | 1,223  | 1,081  | 603.6                        | 628.6   | 424.4   | 350.3   | 309.6   |
| Jersey City, NJ    | 213     | 190     | 123     | 195    | 169    | 201.4                        | 179.9   | 116.9   | 184.6   | 160.5   |
| Kansas City, MO    | 1,612   | 1,532   | 1,630   | 1,189  | 834    | 774.3                        | 734.4   | 780.1   | 558.3   | 391.6   |
| Los Angeles, CA    | 5,922   | 5,156   | 4,574   | 3,104  | 3,165  | 139.1                        | 121.0   | 107.6   | 72.7    | 74.1    |
| Louisville, KY     | 1,349   | 1,580   | 1,402   | 1,170  | 1,071  | 425.9                        | 498.0   | 441.4   | 367.4   | 336.3   |
| Memphis, TN        | 3,808   | 4,069   | 3,397   | 2,939  | 2,701  | 942.4                        | 995.8   | 824.0   | 710.1   | 652.6   |
| Miami, FL          | 2,499   | 1,920   | 1,571   | 1,269  | 1,181  | 260.8                        | 198.3   | 161.8   | 127.1   | 118.3   |
| Milwaukee, WI      | 1,765   | 3,018   | 2,206   | 1,696  | 1,596  | 392.7                        | 677.6   | 498.8   | 386.5   | 363.7   |
| Minneapolis, MN    | 811     | 1,056   | 871     | 808    | 693    | 439.5                        | 569.5   | 468.2   | 431.3   | 369.9   |
| Nashville, TN      | 1,430   | 1,888   | 1,587   | 1,254  | 1,205  | 577.2                        | 753.9   | 629.3   | 492.5   | 473.3   |
| New Orleans, LA    | 3,593   | 2,794   | 2,265   | 1,797  | 1,517  | 1,589.1                      | 1,244.3 | 1,014.0 | 812.5   | 685.9   |
| New York City, NY  | 9,560   | 9,108   | 7,707   | 6,210  | 6,491  | 277.5                        | 264.1   | 224.0   | 178.4   | 186.5   |
| Newark, NJ         | 881     | 1,006   | 1,228   | 1,712  | 1,119  | 638.2                        | 733.4   | 903.0   | 1,260.7 | 826.2   |
| Norfolk, VA        | 1,507   | 1,501   | 945     | 834    | 815    | 1,156.5                      | 1,179.8 | 757.2   | 691.7   | 676.0   |
| Oakland, CA        | 565     | 640     | 879     | 710    | 658    | 95.6                         | 108.1   | 148.1   | 119.4   | 110.6   |
| Oklahoma City, OK  | 846     | 814     | 913     | 976    | 1,068  | 407.2                        | 388.0   | 433.8   | 458.8   | 502.0   |
| Omaha, NE          | 280     | 492     | 417     | 296    | 358    | 135.6                        | 237.0   | 199.0   | 139.5   | 168.7   |
| Philadelphia, PA   | 5,994   | 4,217   | 3,235   | 3,028  | 2,997  | 837.7                        | 595.2   | 464.5   | 440.9   | 436.4   |
| Phoenix, AZ        | 1,815   | 1,626   | 1,824   | 1,663  | 1,798  | 162.3                        | 140.5   | 152.0   | 128.9   | 139.4   |
| Pittsburgh, PA     | 1,882   | 1,267   | 723     | 484    | 483    | 301.7                        | 204.4   | 117.6   | 79.5    | 79.4    |
| Portland, OR       | 399     | 395     | 300     | 292    | 275    | 170.5                        | 168.0   | 127.0   | 121.3   | 114.2   |
| Richmond, VA       | 1,180   | 1,600   | 1,301   | 919    | 809    | 1,281.5                      | 1,745.7 | 1,443.7 | 1,019.6 | 897.5   |
| Rochester, NY      | 1,251   | 1,311   | 991     | 1,019  | 908    | 1,064.2                      | 1,115.5 | 847.1   | 871.3   | 776.4   |
| Sacramento, CA     | 426     | 594     | 805     | 655    | 606    | 79.3                         | 110.4   | 148.9   | 119.9   | 111.0   |
| San Antonio, TX    | 876     | 872     | 916     | 641    | 796    | 143.9                        | 140.6   | 145.8   | 100.3   | 124.6   |
| San Diego, CA      | 3,051   | 1,824   | 1,237   | 859    | 805    | 229.8                        | 136.5   | 92.3    | 64.6    | 60.6    |
| San Francisco, CA  | 1,431   | 1,188   | 1,255   | 1,236  | 1,212  | 391.6                        | 324.9   | 345.7   | 339.9   | 333.3   |
| San Jose, CA       | 363     | 384     | 219     | 220    | 264    | 46.4                         | 48.7    | 27.7    | 27.2    | 32.6    |
| Seattle, WA        | 889     | 672     | 762     | 576    | 517    | 114.3                        | 85.9    | 96.9    | 72.0    | 64.6    |
| St Louis, MO       | 3,473   | 3,022   | 2,528   | 1,588  | 1,439  | 2,026.4                      | 1,801.1 | 1,546.3 | 988.4   | 895.6   |
| St Paul, MN        | 229     | 302     | 262     | 283    | 180    | 173.2                        | 229.0   | 199.0   | 213.5   | 135.8   |
| St Petersburg, FL  | 695     | 912     | 839     | 546    | 553    | 172.1                        | 225.1   | 206.2   | 134.2   | 135.9   |
| Tampa, FL          | 1,347   | 1,195   | 1,003   | 822    | 1,032  | 319.1                        | 280.6   | 232.8   | 187.6   | 235.5   |
| Toledo, OH         | 772     | 1,191   | 478     | 196    | 184    | 352.4                        | 544.8   | 219.9   | 90.5    | 84.9    |
| Tucson, AZ         | 260     | 210     | 165     | 235    | 290    | 74.9                         | 58.7    | 44.8    | 62.4    | 77.0    |
| Tulsa, OK          | 764     | 776     | 737     | 614    | 539    | 421.2                        | 425.8   | 403.8   | 331.4   | 290.9   |
| Washington, DC     | 3,853   | 4,009   | 3,449   | 2,591  | 2,637  | 1,427.5                      | 1,515.1 | 1,334.1 | 1,018.5 | 1,036.6 |
| Wichita, KS        | 652     | 523     | 319     | 284    | 256    | 317.7                        | 254.3   | 155.1   | 137.0   | 123.5   |
| Yonkers, NY        | 61      | 62      | 59      | 44     | 44     | 67.3                         | 68.2    | 64.7    | 48.1    | 48.1    |
| U.S. CITY TOTAL    | 124,766 | 115,313 | 101,779 | 79,067 | 82,063 | 376.6                        | 349.8   | 304.8   | 234.6   | 243.5   |
| San Juan, PR       | 215     | 204     | 247     | 241    | 150    | 54.8                         | 52.0    | 62.9    | 61.4    | 38.2    |
| TOTAL              | 124,981 | 115,517 | 102,026 | 79,308 | 82,213 | 372.8                        | 346.3   | 302.0   | 232.6   | 241.1   |

\*NR = No report (see Appendix).

**Table 21. Gonococcal Isolate Surveillance Project (GISP) — Resistance of *Neisseria gonorrhoeae* from selected cities to penicillin and tetracycline, 1994–1997\***

| Clinic              | 1994           |                       |      |                         |      | 1995           |                       |      |                         |      |
|---------------------|----------------|-----------------------|------|-------------------------|------|----------------|-----------------------|------|-------------------------|------|
|                     | Total Isolates | Penicillin Resistance |      | Tetracycline Resistance |      | Total Isolates | Penicillin Resistance |      | Tetracycline Resistance |      |
|                     |                | No.                   | %    | No.                     | %    |                | No.                   | %    | No.                     | %    |
| Albuquerque, NM     | 158            | 19                    | 12.0 | 34                      | 21.5 | 167            | 5                     | 3.0  | 25                      | 15.0 |
| Anchorage, AK       | 171            | 1                     | 0.6  | 3                       | 1.8  | 123            | 5                     | 4.1  | 7                       | 5.7  |
| Atlanta, GA         | 229            | 46                    | 20.1 | 86                      | 37.6 | 227            | 51                    | 22.5 | 124                     | 54.6 |
| Baltimore, MD       | 240            | 41                    | 17.1 | 63                      | 26.3 | 240            | 50                    | 20.8 | 76                      | 31.7 |
| Birmingham, AL      | 240            | 37                    | 15.4 | 110                     | 45.8 | 239            | 53                    | 22.2 | 60                      | 25.1 |
| Chicago, IL         | NR             | NR                    | NR   | NR                      | NR   | NR             | NR                    | NR   | NR                      | NR   |
| Cincinnati, OH      | 218            | 39                    | 17.9 | 136                     | 62.4 | 173            | 23                    | 13.3 | 98                      | 56.6 |
| Cleveland, OH       | 240            | 42                    | 17.5 | 64                      | 26.7 | 227            | 34                    | 15.0 | 88                      | 38.8 |
| Denver, CO          | 240            | 32                    | 13.3 | 33                      | 13.8 | 240            | 14                    | 5.8  | 21                      | 8.8  |
| Fort Bragg, NC      | NR             | NR                    | NR   | NR                      | NR   | NR             | NR                    | NR   | NR                      | NR   |
| Fort Lewis, WA      | 78             | 9                     | 11.5 | 14                      | 17.9 | 68             | 12                    | 17.6 | 6                       | 8.8  |
| Honolulu, HI        | 74             | 23                    | 31.1 | 22                      | 29.7 | 61             | 18                    | 29.5 | 14                      | 23.0 |
| Kansas City, MO     | 240            | 24                    | 10.0 | 13                      | 5.4  | 240            | 8                     | 3.3  | 9                       | 3.8  |
| Long Beach, CA      | 214            | 44                    | 20.6 | 34                      | 15.9 | 217            | 44                    | 20.3 | 46                      | 21.2 |
| Minneapolis, MN     | 240            | 22                    | 9.2  | 25                      | 10.4 | 240            | 14                    | 5.8  | 13                      | 5.4  |
| Nassau County, NY   | 161            | 61                    | 37.9 | 56                      | 34.8 | 180            | 54                    | 30.0 | 30                      | 16.7 |
| New Orleans, LA     | 210            | 37                    | 17.6 | 79                      | 37.6 | 190            | 25                    | 13.2 | 142                     | 74.7 |
| Orange County, CA   | 201            | 51                    | 25.4 | 18                      | 9.0  | 144            | 24                    | 16.7 | 36                      | 25.0 |
| Philadelphia, PA    | 228            | 58                    | 25.4 | 67                      | 29.4 | 232            | 52                    | 22.4 | 32                      | 13.8 |
| Phoenix, AZ         | 228            | 18                    | 7.9  | 18                      | 7.9  | 240            | 16                    | 6.7  | 24                      | 10.0 |
| Portland, OR        | 240            | 20                    | 8.3  | 17                      | 7.1  | 240            | 5                     | 2.1  | 15                      | 6.3  |
| San Diego, CA       | 240            | 32                    | 13.3 | 31                      | 12.9 | 240            | 20                    | 8.3  | 24                      | 10.0 |
| Seattle, WA         | 206            | 14                    | 6.8  | 25                      | 12.1 | 230            | 21                    | 9.1  | 52                      | 22.6 |
| San Francisco, CA   | 240            | 26                    | 10.8 | 36                      | 15.0 | 240            | 13                    | 5.4  | 45                      | 18.8 |
| St Louis, MO        | NR             | NR                    | NR   | NR                      | NR   | 93             | 16                    | 17.2 | 29                      | 31.2 |
| San Antonio, TX     | 221            | 32                    | 14.5 | 55                      | 24.9 | 154            | 17                    | 11.0 | 84                      | 54.5 |
| West Palm Beach, FL | 239            | 68                    | 28.5 | 86                      | 36.0 | 229            | 105                   | 45.9 | 135                     | 59.0 |
| TOTAL               | 4,996          | 796                   | 15.9 | 1,125                   | 22.5 | 4,874          | 699                   | 14.3 | 1,235                   | 25.3 |

| Clinic              | 1996           |                       |      |                         |      | 1997           |                       |      |                         |      |
|---------------------|----------------|-----------------------|------|-------------------------|------|----------------|-----------------------|------|-------------------------|------|
|                     | Total Isolates | Penicillin Resistance |      | Tetracycline Resistance |      | Total Isolates | Penicillin Resistance |      | Tetracycline Resistance |      |
|                     |                | No.                   | %    | No.                     | %    |                | No.                   | %    | No.                     | %    |
| Albuquerque, NM     | 171            | 25                    | 14.6 | 55                      | 32.2 | 181            | 38                    | 21.0 | 50                      | 27.6 |
| Anchorage, AK       | 49             | 0                     | 0.0  | 1                       | 2.0  | 16             | 4                     | 25.0 | 1                       | 6.3  |
| Atlanta, GA         | 193            | 24                    | 12.4 | 80                      | 41.5 | 202            | 31                    | 15.3 | 64                      | 31.7 |
| Baltimore, MD       | 240            | 51                    | 21.3 | 95                      | 39.6 | 237            | 52                    | 21.9 | 61                      | 25.7 |
| Birmingham, AL      | 240            | 67                    | 27.9 | 95                      | 39.6 | 240            | 57                    | 23.8 | 93                      | 38.8 |
| Chicago, IL         | 178            | 37                    | 20.8 | 37                      | 20.8 | 223            | 41                    | 18.4 | 34                      | 15.2 |
| Cincinnati, OH      | 181            | 22                    | 12.2 | 57                      | 31.5 | 184            | 25                    | 13.6 | 68                      | 37.0 |
| Cleveland, OH       | 240            | 45                    | 18.8 | 78                      | 32.5 | 215            | 29                    | 13.5 | 67                      | 31.2 |
| Denver, CO          | 240            | 29                    | 12.1 | 18                      | 7.5  | 239            | 33                    | 13.8 | 23                      | 9.6  |
| Fort Bragg, NC      | NR             | NR                    | NR   | NR                      | NR   | 46             | 4                     | 8.7  | 7                       | 15.2 |
| Fort Lewis, WA      | 44             | 5                     | 11.4 | 8                       | 18.2 | 32             | 6                     | 18.8 | 7                       | 21.9 |
| Honolulu, HI        | 77             | 8                     | 10.4 | 8                       | 10.4 | 42             | 8                     | 19.0 | 10                      | 23.8 |
| Kansas City, MO     | 240            | 10                    | 4.2  | 17                      | 7.1  | 240            | 15                    | 6.3  | 22                      | 9.2  |
| Long Beach, CA      | 129            | 30                    | 23.3 | 27                      | 20.9 | 163            | 38                    | 23.3 | 43                      | 26.4 |
| Minneapolis, MN     | 240            | 30                    | 12.5 | 21                      | 8.8  | 240            | 37                    | 15.4 | 36                      | 15.0 |
| Nassau County, NY   | 63             | 11                    | 17.5 | 11                      | 17.5 | 40             | 4                     | 10.0 | 6                       | 15.0 |
| New Orleans, LA     | 137            | 19                    | 13.9 | 47                      | 34.3 | 158            | 25                    | 15.8 | 43                      | 27.2 |
| Orange County, CA   | 138            | 27                    | 19.6 | 25                      | 18.1 | 94             | 24                    | 25.5 | 27                      | 28.7 |
| Philadelphia, PA    | 239            | 35                    | 14.6 | 40                      | 16.7 | 228            | 21                    | 9.2  | 45                      | 19.7 |
| Phoenix, AZ         | 240            | 37                    | 15.4 | 46                      | 19.2 | 223            | 49                    | 22.0 | 29                      | 13.0 |
| Portland, OR        | 235            | 28                    | 11.9 | 18                      | 7.7  | 214            | 75                    | 35.0 | 73                      | 34.1 |
| San Diego, CA       | 220            | 34                    | 15.5 | 25                      | 11.4 | 212            | 33                    | 15.6 | 66                      | 31.1 |
| Seattle, WA         | 173            | 36                    | 20.8 | 46                      | 26.6 | 162            | 53                    | 32.7 | 62                      | 38.3 |
| San Francisco, CA   | 240            | 13                    | 5.4  | 37                      | 15.4 | 240            | 48                    | 20.0 | 86                      | 35.8 |
| St Louis, MO        | 231            | 41                    | 17.7 | 66                      | 28.6 | 226            | 37                    | 16.4 | 70                      | 31.0 |
| San Antonio, TX     | 87             | 9                     | 10.3 | 35                      | 40.2 | 39             | 5                     | 12.8 | 7                       | 17.9 |
| West Palm Beach, FL | 174            | 28                    | 16.1 | 64                      | 36.8 | 176            | 14                    | 8.0  | 67                      | 38.1 |
| TOTAL               | 4,639          | 701                   | 15.1 | 1,057                   | 22.8 | 4,512          | 806                   | 17.9 | 1,167                   | 25.9 |

\*NR = No report available

NOTE: Resistance categories include both plasmid-mediated and chromosomally mediated resistance. Penicillin and tetracycline resistance categories are not mutually exclusive; many isolates are resistant to both antibiotics.

**Table 22. All stages of syphilis — Reported cases and rates by state/area: United States and outlying areas, 1993–1997**

| State/Area              | Cases   |        |        |        |        | Rates per 100,000 Population |       |       |      |      |
|-------------------------|---------|--------|--------|--------|--------|------------------------------|-------|-------|------|------|
|                         | 1993    | 1994   | 1995   | 1996   | 1997   | 1993                         | 1994  | 1995  | 1996 | 1997 |
| Alabama                 | 2,334   | 1,933  | 1,640  | 1,889  | 1,481  | 55.8                         | 45.8  | 38.6  | 44.2 | 34.7 |
| Alaska                  | 51      | 22     | 20     | 15     | 12     | 8.5                          | 3.6   | 3.3   | 2.5  | 2.0  |
| Arizona                 | 557     | 419    | 417    | 468    | 600    | 14.1                         | 10.3  | 9.9   | 10.6 | 13.5 |
| Arkansas                | 1,600   | 1,328  | 1,271  | 843    | 562    | 66.0                         | 54.1  | 51.2  | 33.6 | 22.4 |
| California              | 9,488   | 7,321  | 5,747  | 4,420  | 3,823  | 30.4                         | 23.3  | 18.2  | 13.9 | 12.0 |
| Colorado                | 287     | 296    | 303    | 162    | 154    | 8.1                          | 8.1   | 8.1   | 4.2  | 4.0  |
| Connecticut             | 562     | 337    | 270    | 334    | 320    | 17.1                         | 10.3  | 8.2   | 10.2 | 9.8  |
| Delaware                | 274     | 138    | 129    | 124    | 113    | 39.2                         | 19.5  | 18.0  | 17.1 | 15.6 |
| Florida                 | 7,417   | 5,048  | 3,470  | 2,911  | 2,746  | 54.0                         | 36.2  | 24.5  | 20.2 | 19.1 |
| Georgia                 | 4,077   | 3,185  | 3,666  | 2,954  | 2,833  | 59.1                         | 45.1  | 50.9  | 40.2 | 38.5 |
| Hawaii                  | 41      | 41     | 25     | 30     | 44     | 3.5                          | 3.5   | 2.1   | 2.5  | 3.7  |
| Idaho                   | 15      | 10     | 12     | 24     | 24     | 1.4                          | 0.9   | 1.0   | 2.0  | 2.0  |
| Illinois                | 4,881   | 3,877  | 3,712  | 2,071  | 1,953  | 41.8                         | 33.0  | 31.4  | 17.5 | 16.5 |
| Indiana                 | 1,019   | 844    | 870    | 674    | 522    | 17.9                         | 14.7  | 15.0  | 11.5 | 8.9  |
| Iowa                    | 175     | 235    | 170    | 86     | 72     | 6.2                          | 8.3   | 6.0   | 3.0  | 2.5  |
| Kansas                  | 293     | 187    | 150    | 136    | 145    | 11.6                         | 7.3   | 5.8   | 5.3  | 5.6  |
| Kentucky                | 651     | 534    | 503    | 399    | 403    | 17.2                         | 14.0  | 13.0  | 10.3 | 10.4 |
| Louisiana               | 6,854   | 5,422  | 3,692  | 2,409  | 1,808  | 159.8                        | 125.7 | 85.0  | 55.4 | 41.6 |
| Maine                   | 29      | 9      | 4      | 4      | 13     | 2.3                          | 0.7   | 0.3   | 0.3  | 1.0  |
| Maryland                | 1,865   | 1,538  | 1,680  | 2,232  | 2,453  | 37.6                         | 30.7  | 33.3  | 44.0 | 48.4 |
| Massachusetts           | 935     | 622    | 506    | 633    | 731    | 15.5                         | 10.3  | 8.3   | 10.4 | 12.0 |
| Michigan                | 1,952   | 1,234  | 1,202  | 851    | 785    | 20.6                         | 13.0  | 12.6  | 8.9  | 8.2  |
| Minnesota               | 261     | 201    | 187    | 116    | 124    | 5.8                          | 4.4   | 4.1   | 2.5  | 2.7  |
| Mississippi             | 4,269   | 4,547  | 4,532  | 2,366  | 1,439  | 161.7                        | 170.3 | 168.0 | 87.1 | 53.0 |
| Missouri                | 2,500   | 1,985  | 1,265  | 618    | 494    | 47.8                         | 37.6  | 23.8  | 11.5 | 9.2  |
| Montana                 | 4       | 9      | 13     | 4      | 5      | 0.5                          | 1.1   | 1.5   | 0.5  | 0.6  |
| Nebraska                | 35      | 46     | 35     | 27     | 32     | 2.2                          | 2.8   | 2.1   | 1.6  | 1.9  |
| Nevada                  | 139     | 171    | 193    | 142    | 102    | 10.1                         | 11.7  | 12.6  | 8.9  | 6.4  |
| New Hampshire           | 50      | 18     | 32     | 29     | 23     | 4.4                          | 1.6   | 2.8   | 2.5  | 2.0  |
| New Jersey              | 2,556   | 2,188  | 1,469  | 1,458  | 1,129  | 32.5                         | 27.7  | 18.5  | 18.3 | 14.1 |
| New Mexico              | 172     | 178    | 138    | 78     | 103    | 10.6                         | 10.8  | 8.2   | 4.6  | 6.0  |
| New York                | 12,493  | 9,376  | 8,881  | 6,530  | 5,639  | 68.8                         | 51.6  | 49.0  | 35.9 | 31.0 |
| North Carolina          | 4,448   | 4,023  | 3,066  | 2,670  | 2,206  | 64.0                         | 56.9  | 42.6  | 36.5 | 30.1 |
| North Dakota            | 4       | 1      | 0      | 0      | 0      | 0.6                          | 0.2   | 0.0   | 0.0  | 0.0  |
| Ohio                    | 2,889   | 2,740  | 1,938  | 1,324  | 761    | 26.1                         | 24.7  | 17.4  | 11.9 | 6.8  |
| Oklahoma                | 721     | 497    | 589    | 467    | 405    | 22.3                         | 15.3  | 18.0  | 14.1 | 12.3 |
| Oregon                  | 179     | 100    | 67     | 70     | 48     | 5.9                          | 3.2   | 2.1   | 2.2  | 1.5  |
| Pennsylvania            | 4,257   | 2,738  | 1,946  | 1,440  | 1,182  | 35.4                         | 22.7  | 16.1  | 11.9 | 9.8  |
| Rhode Island            | 146     | 141    | 90     | 72     | 84     | 14.6                         | 14.1  | 9.1   | 7.3  | 8.5  |
| South Carolina          | 2,339   | 1,945  | 1,666  | 1,282  | 1,135  | 64.4                         | 53.1  | 45.4  | 34.7 | 30.7 |
| South Dakota            | 3       | 8      | 7      | 2      | 7      | 0.4                          | 1.1   | 1.0   | 0.3  | 1.0  |
| Tennessee               | 3,241   | 2,978  | 2,604  | 2,321  | 2,366  | 63.6                         | 57.5  | 49.5  | 43.6 | 44.5 |
| Texas                   | 9,904   | 9,028  | 7,926  | 5,897  | 5,384  | 55.0                         | 49.1  | 42.3  | 30.8 | 28.1 |
| Utah                    | 68      | 51     | 50     | 49     | 56     | 3.7                          | 2.7   | 2.6   | 2.4  | 2.8  |
| Vermont                 | 1       | 1      | 0      | 1      | 1      | 0.2                          | 0.2   | 0.0   | 0.2  | 0.2  |
| Virginia                | 1,970   | 1,919  | 1,590  | 1,265  | 1,103  | 30.4                         | 29.3  | 24.0  | 19.0 | 16.5 |
| Washington              | 360     | 281    | 212    | 129    | 132    | 6.8                          | 5.3   | 3.9   | 2.3  | 2.4  |
| West Virginia           | 195     | 179    | 65     | 59     | 19     | 10.7                         | 9.8   | 3.6   | 3.2  | 1.0  |
| Wisconsin               | 1,113   | 797    | 585    | 496    | 315    | 22.1                         | 15.7  | 11.4  | 9.6  | 6.1  |
| Wyoming                 | 9       | 3      | 2      | 8      | 1      | 1.9                          | 0.6   | 0.4   | 1.7  | 0.2  |
| U.S. TOTAL <sup>1</sup> | 101,335 | 81,696 | 69,329 | 53,215 | 46,537 | 39.3                         | 31.4  | 26.4  | 20.1 | 17.5 |
| Guam                    | 5       | 7      | 6      | 3      | 1      | 3.5                          | 5.0   | 4.3   | 2.1  | 0.7  |
| Puerto Rico             | 2,482   | 2,018  | 1,619  | 1,470  | 1,575  | 68.5                         | 54.8  | 43.5  | 39.5 | 42.3 |
| Virgin Islands          | 39      | 30     | 19     | 17     | 10     | 35.2                         | 27.1  | 17.1  | 15.3 | 9.0  |
| OUTLYING AREAS          | 2,526   | 2,055  | 1,644  | 1,490  | 1,586  | 65.2                         | 52.2  | 41.4  | 37.5 | 39.9 |
| TOTAL                   | 103,861 | 83,751 | 70,973 | 54,705 | 48,123 | 39.7                         | 31.7  | 26.6  | 20.3 | 17.9 |

<sup>1</sup>Includes cases reported by Washington, D.C.

**Table 23. All stages of syphilis — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997**

| City               | Cases  |        |        |        |        | Rates per 100,000 Population |       |       |       |       |
|--------------------|--------|--------|--------|--------|--------|------------------------------|-------|-------|-------|-------|
|                    | 1993   | 1994   | 1995   | 1996   | 1997   | 1993                         | 1994  | 1995  | 1996  | 1997  |
| Akron, OH          | 13     | 13     | 8      | 8      | 4      | 2.5                          | 2.5   | 1.5   | 1.5   | 0.8   |
| Albuquerque, NM    | 84     | 87     | 41     | 33     | 56     | 16.6                         | 16.9  | 7.8   | 6.3   | 10.6  |
| Atlanta, GA        | 1,226  | 917    | 1,079  | 835    | 870    | 181.2                        | 132.8 | 154.0 | 116.2 | 121.1 |
| Austin, TX         | 292    | 260    | 183    | 88     | 98     | 46.3                         | 40.2  | 27.5  | 12.9  | 14.3  |
| Baltimore, MD      | 507    | 673    | 1,089  | 1,552  | 1,780  | 70.9                         | 95.7  | 157.6 | 229.8 | 263.5 |
| Birmingham, AL     | 765    | 664    | 640    | 703    | 477    | 116.5                        | 101.1 | 97.3  | 106.2 | 72.1  |
| Boston, MA         | 338    | 219    | 193    | 257    | 305    | 61.2                         | 39.9  | 34.7  | 46.0  | 54.5  |
| Buffalo, NY        | 117    | 52     | 32     | 22     | 23     | 35.6                         | 15.9  | 9.8   | 6.8   | 7.1   |
| Charlotte, NC      | 535    | 506    | 347    | 312    | 153    | 97.5                         | 89.8  | 59.9  | 52.2  | 25.6  |
| Chicago, IL        | 3,368  | 2,335  | 2,244  | 1,254  | 1,314  | 114.1                        | 79.1  | 76.1  | 42.9  | 44.9  |
| Cincinnati, OH     | 668    | 839    | 399    | 166    | 93     | 76.7                         | 96.7  | 46.2  | 19.4  | 10.8  |
| Cleveland, OH      | 1,525  | 1,160  | 752    | 378    | 250    | 108.3                        | 82.7  | 53.8  | 27.0  | 17.8  |
| Columbus, OH       | 70     | 71     | 31     | 89     | 117    | 7.0                          | 7.1   | 3.1   | 8.8   | 11.5  |
| Corpus Christi, TX | 49     | 83     | 62     | 29     | 22     | 16.0                         | 26.7  | 19.8  | 9.2   | 7.0   |
| Dallas, TX         | 1,322  | 1,130  | 1,025  | 790    | 717    | 68.6                         | 58.2  | 52.3  | 39.5  | 35.8  |
| Dayton, OH         | 129    | 236    | 400    | 367    | 126    | 22.4                         | 41.2  | 70.1  | 64.8  | 22.2  |
| Denver, CO         | 146    | 177    | 179    | 67     | 70     | 29.6                         | 35.9  | 36.2  | 13.5  | 14.1  |
| Des Moines, IA     | 77     | 110    | 92     | 34     | 26     | 22.5                         | 31.8  | 26.3  | 9.6   | 7.3   |
| Detroit, MI        | 1,190  | 775    | 709    | 525    | 586    | 111.8                        | 73.3  | 67.4  | 50.3  | 56.1  |
| El Paso, TX        | 222    | 183    | 141    | 118    | 114    | 34.3                         | 27.5  | 20.8  | 17.2  | 16.7  |
| Fort Worth, TX     | 834    | 592    | 491    | 378    | 299    | 67.6                         | 47.1  | 38.4  | 29.0  | 22.9  |
| Honolulu, HI       | 40     | 41     | 22     | 26     | 39     | 4.6                          | 4.7   | 2.5   | 3.0   | 4.5   |
| Houston, TX        | 3,450  | 2,909  | 2,691  | 2,054  | 1,944  | 114.8                        | 95.5  | 87.5  | 65.7  | 62.2  |
| Indianapolis, IN   | 283    | 176    | 168    | 186    | 125    | 34.7                         | 21.5  | 20.5  | 22.8  | 15.3  |
| Jacksonville, FL   | 217    | 289    | 192    | 228    | 206    | 30.9                         | 41.1  | 27.4  | 31.6  | 28.6  |
| Jersey City, NJ    | 208    | 171    | 138    | 96     | 120    | 95.3                         | 78.4  | 63.5  | 44.1  | 55.2  |
| Kansas City, MO    | 287    | 168    | 68     | 39     | 16     | 65.6                         | 38.4  | 15.5  | 8.7   | 3.6   |
| Los Angeles, CA    | 9,367  | 8,139  | 2,987  | 2,186  | 1,627  | 109.6                        | 95.0  | 34.9  | 25.6  | 19.0  |
| Louisville, KY     | 434    | 325    | 272    | 228    | 232    | 64.7                         | 48.3  | 40.4  | 33.9  | 34.5  |
| Memphis, TN        | 1,899  | 1,738  | 1,596  | 1,370  | 1,433  | 223.8                        | 202.7 | 184.5 | 157.9 | 165.2 |
| Miami, FL          | 2,041  | 1,453  | 1,007  | 876    | 875    | 101.9                        | 71.8  | 49.6  | 42.2  | 42.1  |
| Milwaukee, WI      | 943    | 688    | 464    | 397    | 273    | 99.6                         | 73.3  | 49.8  | 43.0  | 29.6  |
| Minneapolis, MN    | 132    | 122    | 86     | 52     | 53     | 34.7                         | 31.9  | 22.4  | 13.5  | 13.8  |
| Nashville, TN      | 381    | 234    | 202    | 293    | 412    | 73.0                         | 44.4  | 38.1  | 54.8  | 77.0  |
| New Orleans, LA    | 1,120  | 845    | 649    | 520    | 462    | 229.8                        | 174.5 | 134.7 | 109.1 | 96.9  |
| New York City, NY  | 10,513 | 8,001  | 7,883  | 5,802  | 4,957  | 143.5                        | 109.1 | 107.8 | 78.6  | 67.2  |
| Newark, NJ         | 563    | 518    | 396    | 368    | 356    | 192.8                        | 178.6 | 137.7 | 128.6 | 124.4 |
| Norfolk, VA        | 234    | 247    | 279    | 224    | 155    | 95.0                         | 102.3 | 117.4 | 96.0  | 66.4  |
| Oakland, CA        | 431    | 336    | 162    | 131    | 126    | 35.8                         | 27.9  | 13.4  | 10.8  | 10.4  |
| Oklahoma City, OK  | 391    | 299    | 291    | 231    | 211    | 90.6                         | 68.6  | 66.6  | 52.4  | 47.9  |
| Omaha, NE          | 24     | 28     | 21     | 1      | 15     | 5.6                          | 6.5   | 4.8   | 0.2   | 3.4   |
| Philadelphia, PA   | 3,752  | 2,394  | 1,694  | 1,293  | 1,093  | 243.8                        | 157.1 | 113.0 | 87.5  | 74.0  |
| Phoenix, AZ        | 325    | 237    | 270    | 343    | 474    | 14.3                         | 10.1  | 11.1  | 13.1  | 18.2  |
| Pittsburgh, PA     | 58     | 39     | 27     | 16     | 21     | 4.4                          | 3.0   | 2.1   | 1.2   | 1.6   |
| Portland, OR       | 107    | 63     | 42     | 45     | 23     | 22.3                         | 13.1  | 8.7   | 9.1   | 4.7   |
| Richmond, VA       | 203    | 128    | 122    | 171    | 136    | 100.5                        | 63.5  | 61.5  | 86.2  | 68.6  |
| Rochester, NY      | 239    | 200    | 104    | 68     | 32     | 97.8                         | 81.9  | 42.8  | 28.0  | 13.2  |
| Sacramento, CA     | 123    | 128    | 79     | 55     | 50     | 11.2                         | 11.7  | 7.2   | 4.9   | 4.5   |
| San Antonio, TX    | 518    | 491    | 394    | 378    | 309    | 41.2                         | 38.4  | 30.4  | 28.7  | 23.4  |
| San Diego, CA      | 535    | 492    | 365    | 222    | 243    | 20.5                         | 18.7  | 13.8  | 8.4   | 9.2   |
| San Francisco, CA  | 160    | 89     | 84     | 150    | 171    | 21.8                         | 12.1  | 11.5  | 20.4  | 23.3  |
| San Jose, CA       | 131    | 72     | 74     | 68     | 92     | 8.5                          | 4.6   | 4.7   | 4.3   | 5.8   |
| Seattle, WA        | 180    | 126    | 93     | 59     | 58     | 11.4                         | 7.9   | 5.8   | 3.6   | 3.6   |
| St Louis, MO       | 1,525  | 1,212  | 738    | 333    | 256    | 405.3                        | 329.2 | 205.7 | 94.7  | 72.8  |
| St Paul, MN        | 37     | 27     | 28     | 17     | 8      | 13.4                         | 9.8   | 10.2  | 6.2   | 2.9   |
| St Petersburg, FL  | 419    | 317    | 168    | 86     | 79     | 48.5                         | 36.6  | 19.3  | 9.9   | 9.1   |
| Tampa, FL          | 524    | 355    | 277    | 314    | 207    | 60.5                         | 40.6  | 31.3  | 35.0  | 23.1  |
| Toledo, OH         | 208    | 79     | 52     | 63     | 25     | 45.3                         | 17.3  | 11.4  | 13.9  | 5.5   |
| Tucson, AZ         | 152    | 104    | 78     | 61     | 52     | 21.4                         | 14.2  | 10.4  | 7.9   | 6.8   |
| Tulsa, OK          | 151    | 52     | 106    | 106    | 66     | 40.2                         | 13.8  | 28.0  | 27.7  | 17.2  |
| Washington, DC     | 1,652  | 967    | 721    | 626    | 645    | 285.8                        | 170.5 | 130.1 | 115.2 | 118.7 |
| Wichita, KS        | 37     | 27     | 42     | 58     | 69     | 8.8                          | 6.4   | 10.0  | 13.7  | 16.3  |
| Yonkers, NY        | 80     | 74     | 64     | 33     | 34     | 42.0                         | 38.7  | 33.4  | 17.2  | 17.7  |
| U.S. CITY TOTAL    | 57,551 | 45,482 | 35,333 | 27,878 | 25,280 | 84.2                         | 66.2  | 51.3  | 40.1  | 36.4  |
| San Juan, PR       | 1,298  | 1,015  | 692    | 721    | 718    | 148.8                        | 116.4 | 79.3  | 82.7  | 82.3  |
| TOTAL              | 58,849 | 46,497 | 36,025 | 28,599 | 25,998 | 85.0                         | 66.9  | 51.6  | 40.7  | 37.0  |



**Table 24A. Primary and secondary syphilis — Reported cases by age, gender, and race/ethnicity: United States, 1994–1997**

| <b>1994</b>      |              |             |               |                            |             |               |                            |             |               |
|------------------|--------------|-------------|---------------|----------------------------|-------------|---------------|----------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 118          | 9           | 109           | 10                         | 1           | 9             | 105                        | 8           | 97            |
| 15-19            | 2,234        | 747         | 1,487         | 167                        | 44          | 123           | 1,996                      | 662         | 1,334         |
| 20-24            | 4,071        | 1,821       | 2,250         | 291                        | 102         | 189           | 3,603                      | 1,619       | 1,984         |
| 25-29            | 3,819        | 1,759       | 2,060         | 304                        | 134         | 170           | 3,321                      | 1,507       | 1,814         |
| 30-34            | 3,755        | 1,922       | 1,833         | 382                        | 189         | 193           | 3,198                      | 1,609       | 1,589         |
| 35-39            | 2,893        | 1,722       | 1,171         | 272                        | 162         | 110           | 2,492                      | 1,474       | 1,018         |
| 40-44            | 1,632        | 1,079       | 553           | 168                        | 121         | 47            | 1,396                      | 912         | 484           |
| 45-54            | 1,364        | 1,013       | 351           | 164                        | 119         | 45            | 1,150                      | 862         | 288           |
| 55-64            | 504          | 409         | 95            | 74                         | 64          | 10            | 392                        | 312         | 80            |
| 65+              | 195          | 168         | 27            | 23                         | 21          | 2             | 159                        | 137         | 22            |
| TOTAL            | 20,618       | 10,666      | 9,952         | 1,856                      | 957         | 899           | 17,843                     | 9,119       | 8,724         |

| <b>1995</b>      |              |             |               |                            |             |               |                            |             |               |
|------------------|--------------|-------------|---------------|----------------------------|-------------|---------------|----------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 106          | 11          | 95            | 5                          | 0           | 5             | 98                         | 11          | 87            |
| 15-19            | 1,796        | 604         | 1,192         | 132                        | 28          | 104           | 1,601                      | 555         | 1,046         |
| 20-24            | 3,067        | 1,476       | 1,591         | 242                        | 99          | 143           | 2,683                      | 1,303       | 1,380         |
| 25-29            | 2,853        | 1,390       | 1,463         | 258                        | 121         | 137           | 2,433                      | 1,174       | 1,259         |
| 30-34            | 2,919        | 1,482       | 1,437         | 255                        | 130         | 125           | 2,506                      | 1,260       | 1,246         |
| 35-39            | 2,412        | 1,369       | 1,043         | 253                        | 146         | 107           | 2,043                      | 1,148       | 895           |
| 40-44            | 1,471        | 979         | 492           | 153                        | 100         | 53            | 1,264                      | 839         | 425           |
| 45-54            | 1,272        | 939         | 333           | 140                        | 108         | 32            | 1,067                      | 784         | 283           |
| 55-64            | 385          | 311         | 74            | 51                         | 45          | 6             | 317                        | 254         | 63            |
| 65+              | 186          | 149         | 37            | 29                         | 23          | 6             | 139                        | 111         | 28            |
| TOTAL            | 16,502       | 8,728       | 7,774         | 1,519                      | 801         | 718           | 14,185                     | 7,456       | 6,729         |

| <b>1996</b>      |              |             |               |                            |             |               |                            |             |               |
|------------------|--------------|-------------|---------------|----------------------------|-------------|---------------|----------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 49           | 6           | 43            | 3                          | 0           | 3             | 43                         | 6           | 37            |
| 15-19            | 1,125        | 388         | 737           | 107                        | 28          | 79            | 968                        | 340         | 628           |
| 20-24            | 1,933        | 875         | 1,058         | 162                        | 41          | 121           | 1,645                      | 762         | 883           |
| 25-29            | 1,889        | 919         | 970           | 211                        | 99          | 112           | 1,562                      | 738         | 824           |
| 30-34            | 2,001        | 1,026       | 975           | 197                        | 103         | 94            | 1,704                      | 853         | 851           |
| 35-39            | 1,854        | 1,022       | 832           | 203                        | 107         | 96            | 1,563                      | 854         | 709           |
| 40-44            | 1,122        | 703         | 419           | 110                        | 65          | 45            | 962                        | 605         | 357           |
| 45-54            | 967          | 714         | 253           | 130                        | 97          | 33            | 795                        | 585         | 210           |
| 55-64            | 281          | 234         | 47            | 55                         | 48          | 7             | 210                        | 172         | 38            |
| 65+              | 107          | 93          | 14            | 18                         | 18          | 0             | 78                         | 66          | 12            |
| TOTAL            | 11,339       | 5,982       | 5,357         | 1,197                      | 606         | 591           | 9,540                      | 4,983       | 4,557         |

| <b>1997</b>      |              |             |               |                            |             |               |                            |             |               |
|------------------|--------------|-------------|---------------|----------------------------|-------------|---------------|----------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 43           | 4           | 39            | 4                          | 0           | 4             | 36                         | 3           | 33            |
| 15-19            | 775          | 253         | 522           | 70                         | 16          | 54            | 647                        | 213         | 434           |
| 20-24            | 1,317        | 618         | 699           | 110                        | 44          | 66            | 1,115                      | 517         | 598           |
| 25-29            | 1,434        | 720         | 714           | 143                        | 67          | 76            | 1,179                      | 568         | 611           |
| 30-34            | 1,469        | 756         | 713           | 161                        | 72          | 89            | 1,221                      | 627         | 594           |
| 35-39            | 1,405        | 779         | 626           | 197                        | 101         | 96            | 1,151                      | 637         | 514           |
| 40-44            | 941          | 625         | 316           | 106                        | 74          | 32            | 785                        | 520         | 265           |
| 45-54            | 770          | 565         | 205           | 108                        | 82          | 26            | 620                        | 456         | 164           |
| 55-64            | 255          | 223         | 32            | 52                         | 44          | 8             | 186                        | 162         | 24            |
| 65+              | 108          | 100         | 8             | 26                         | 25          | 1             | 74                         | 67          | 7             |
| TOTAL            | 8,529        | 4,648       | 3,881         | 978                        | 525         | 453           | 7,025                      | 3,775       | 3,250         |

NOTE: In most instances, if age or race/ethnicity was not specified, cases were prorated according to the distribution of cases for which these variables were specified. In 1996, cases from Rhode Island were excluded because race was not reported for most cases. Differences between total cases from this table and others in the report are due to different reporting forms and above exclusions. Cases aged 0 to 9 years are not shown because some of these may not be due to sexual transmission; however, they are included in the totals.

**Table 24A. Primary and secondary syphilis — Reported cases by age, gender, and race/ethnicity: United States, 1994–1997 (continued)**

| <b>1994</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 3               | 0           | 3             | 0                             | 0           | 0             | 0                                    | 0           | 0             |
| 15-19            | 62              | 38          | 24            | 5                             | 1           | 4             | 4                                    | 2           | 2             |
| 20-24            | 160             | 90          | 70            | 12                            | 8           | 4             | 5                                    | 2           | 3             |
| 25-29            | 160             | 99          | 61            | 22                            | 15          | 7             | 12                                   | 4           | 8             |
| 30-34            | 153             | 109         | 44            | 13                            | 11          | 2             | 9                                    | 4           | 5             |
| 35-39            | 108             | 74          | 34            | 12                            | 8           | 4             | 9                                    | 4           | 5             |
| 40-44            | 64              | 43          | 21            | 1                             | 1           | 0             | 3                                    | 2           | 1             |
| 45-54            | 47              | 31          | 16            | 3                             | 1           | 2             | 0                                    | 0           | 0             |
| 55-64            | 35              | 31          | 4             | 3                             | 2           | 1             | 0                                    | 0           | 0             |
| 65+              | 11              | 9           | 2             | 2                             | 1           | 1             | 0                                    | 0           | 0             |
| TOTAL            | 804             | 524         | 280           | 73                            | 48          | 25            | 42                                   | 18          | 24            |

| <b>1995</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 3               | 0           | 3             | 0                             | 0           | 0             | 0                                    | 0           | 0             |
| 15-19            | 53              | 20          | 33            | 3                             | 0           | 3             | 7                                    | 1           | 6             |
| 20-24            | 126             | 70          | 56            | 12                            | 1           | 11            | 4                                    | 3           | 1             |
| 25-29            | 141             | 86          | 55            | 9                             | 3           | 6             | 12                                   | 6           | 6             |
| 30-34            | 134             | 81          | 53            | 15                            | 6           | 9             | 9                                    | 5           | 4             |
| 35-39            | 108             | 72          | 36            | 5                             | 1           | 4             | 3                                    | 2           | 1             |
| 40-44            | 46              | 36          | 10            | 4                             | 2           | 2             | 4                                    | 2           | 2             |
| 45-54            | 57              | 43          | 14            | 3                             | 1           | 2             | 5                                    | 3           | 2             |
| 55-64            | 16              | 11          | 5             | 1                             | 1           | 0             | 0                                    | 0           | 0             |
| 65+              | 14              | 11          | 3             | 2                             | 2           | 0             | 2                                    | 2           | 0             |
| TOTAL            | 698             | 430         | 268           | 54                            | 17          | 37            | 46                                   | 24          | 22            |

| <b>1996</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 3               | 0           | 3             | 0                             | 0           | 0             | 0                                    | 0           | 0             |
| 15-19            | 43              | 18          | 25            | 5                             | 1           | 4             | 2                                    | 1           | 1             |
| 20-24            | 106             | 65          | 41            | 13                            | 5           | 8             | 7                                    | 2           | 5             |
| 25-29            | 100             | 72          | 28            | 10                            | 6           | 4             | 6                                    | 4           | 2             |
| 30-34            | 85              | 63          | 22            | 6                             | 3           | 3             | 9                                    | 4           | 5             |
| 35-39            | 78              | 55          | 23            | 6                             | 4           | 2             | 4                                    | 2           | 2             |
| 40-44            | 40              | 30          | 10            | 5                             | 3           | 2             | 5                                    | 0           | 5             |
| 45-54            | 32              | 22          | 10            | 3                             | 3           | 0             | 7                                    | 7           | 0             |
| 55-64            | 16              | 14          | 2             | 0                             | 0           | 0             | 0                                    | 0           | 0             |
| 65+              | 9               | 7           | 2             | 2                             | 2           | 0             | 0                                    | 0           | 0             |
| TOTAL            | 512             | 346         | 166           | 50                            | 27          | 23            | 40                                   | 20          | 20            |

| <b>1997</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 3               | 1           | 2             | 0                             | 0           | 0             | 0                                    | 0           | 0             |
| 15-19            | 54              | 23          | 31            | 3                             | 1           | 2             | 1                                    | 0           | 1             |
| 20-24            | 79              | 53          | 26            | 6                             | 1           | 5             | 7                                    | 3           | 4             |
| 25-29            | 101             | 76          | 25            | 4                             | 4           | 0             | 7                                    | 5           | 2             |
| 30-34            | 74              | 52          | 22            | 7                             | 3           | 4             | 6                                    | 2           | 4             |
| 35-39            | 49              | 37          | 12            | 3                             | 2           | 1             | 5                                    | 2           | 3             |
| 40-44            | 38              | 24          | 14            | 5                             | 2           | 3             | 7                                    | 5           | 2             |
| 45-54            | 31              | 20          | 11            | 4                             | 2           | 2             | 7                                    | 5           | 2             |
| 55-64            | 17              | 17          | 0             | 0                             | 0           | 0             | 0                                    | 0           | 0             |
| 65+              | 8               | 8           | 0             | 0                             | 0           | 0             | 0                                    | 0           | 0             |
| TOTAL            | 454             | 311         | 143           | 32                            | 15          | 17            | 40                                   | 22          | 18            |

**Table 24B. Primary and secondary syphilis — Reported rates per 100,000 population by age, gender, and race/ethnicity: United States, 1994–1997**

| <b>1994</b>      |              |             |               |                            |             |               |                            |             |               |
|------------------|--------------|-------------|---------------|----------------------------|-------------|---------------|----------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 0.6          | 0.1         | 1.2           | 0.1                        | 0.0         | 0.1           | 3.8                        | 0.6         | 7.2           |
| 15-19            | 12.7         | 8.3         | 17.3          | 1.4                        | 0.7         | 2.1           | 76.5                       | 50.1        | 103.5         |
| 20-24            | 22.2         | 19.6        | 25.0          | 2.3                        | 1.6         | 3.0           | 141.9                      | 129.9       | 153.4         |
| 25-29            | 19.9         | 18.3        | 21.6          | 2.3                        | 2.0         | 2.6           | 134.2                      | 128.3       | 139.5         |
| 30-34            | 16.9         | 17.4        | 16.5          | 2.4                        | 2.4         | 2.4           | 118.8                      | 128.2       | 110.5         |
| 35-39            | 13.2         | 15.8        | 10.6          | 1.7                        | 2.0         | 1.3           | 95.5                       | 121.3       | 73.1          |
| 40-44            | 8.3          | 11.1        | 5.5           | 1.1                        | 1.6         | 0.6           | 63.2                       | 89.4        | 40.7          |
| 45-54            | 4.6          | 6.9         | 2.3           | 0.7                        | 1.0         | 0.4           | 38.9                       | 64.5        | 17.8          |
| 55-64            | 2.4          | 4.1         | 0.9           | 0.4                        | 0.8         | 0.1           | 19.4                       | 35.6        | 7.0           |
| 65+              | 0.6          | 1.2         | 0.1           | 0.1                        | 0.2         | 0.0           | 6.1                        | 13.6        | 1.4           |
| TOTAL            | 7.9          | 8.4         | 7.5           | 1.0                        | 1.0         | 0.9           | 57.2                       | 61.8        | 53.1          |
| <b>1995</b>      |              |             |               |                            |             |               |                            |             |               |
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 0.6          | 0.1         | 1.0           | 0.0                        | 0.0         | 0.1           | 3.5                        | 0.8         | 6.4           |
| 15-19            | 10.1         | 6.6         | 13.8          | 1.1                        | 0.4         | 1.8           | 60.9                       | 41.6        | 80.6          |
| 20-24            | 17.0         | 16.1        | 17.9          | 2.0                        | 1.6         | 2.4           | 105.9                      | 104.5       | 107.2         |
| 25-29            | 15.3         | 14.9        | 15.8          | 2.0                        | 1.9         | 2.1           | 100.5                      | 102.1       | 99.1          |
| 30-34            | 13.2         | 13.4        | 12.9          | 1.6                        | 1.6         | 1.6           | 92.7                       | 99.9        | 86.4          |
| 35-39            | 10.8         | 12.3        | 9.3           | 1.5                        | 1.8         | 1.3           | 76.1                       | 91.6        | 62.5          |
| 40-44            | 7.4          | 9.9         | 4.9           | 1.0                        | 1.3         | 0.7           | 55.4                       | 79.6        | 34.6          |
| 45-54            | 4.1          | 6.2         | 2.1           | 0.6                        | 0.9         | 0.3           | 34.6                       | 56.3        | 16.8          |
| 55-64            | 1.8          | 3.1         | 0.7           | 0.3                        | 0.6         | 0.1           | 15.6                       | 28.8        | 5.5           |
| 65+              | 0.6          | 1.1         | 0.2           | 0.1                        | 0.2         | 0.0           | 5.3                        | 10.8        | 1.7           |
| TOTAL            | 6.3          | 6.8         | 5.8           | 0.8                        | 0.8         | 0.7           | 44.9                       | 49.9        | 40.4          |
| <b>1996</b>      |              |             |               |                            |             |               |                            |             |               |
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 0.3          | 0.1         | 0.5           | 0.0                        | 0.0         | 0.0           | 1.6                        | 0.4         | 2.7           |
| 15-19            | 6.4          | 4.3         | 8.6           | 0.9                        | 0.5         | 1.4           | 36.9                       | 25.5        | 48.5          |
| 20-24            | 10.8         | 9.6         | 12.0          | 1.3                        | 0.7         | 2.0           | 65.0                       | 61.2        | 68.7          |
| 25-29            | 10.2         | 9.9         | 10.5          | 1.7                        | 1.6         | 1.8           | 64.6                       | 64.3        | 64.9          |
| 30-34            | 9.1          | 9.3         | 8.8           | 1.2                        | 1.3         | 1.2           | 63.1                       | 67.7        | 59.1          |
| 35-39            | 8.3          | 9.2         | 7.4           | 1.2                        | 1.3         | 1.2           | 58.3                       | 68.2        | 49.6          |
| 40-44            | 5.6          | 7.1         | 4.2           | 0.7                        | 0.9         | 0.6           | 42.2                       | 57.5        | 29.1          |
| 45-54            | 3.1          | 4.7         | 1.6           | 0.5                        | 0.8         | 0.3           | 25.8                       | 42.0        | 12.5          |
| 55-64            | 1.3          | 2.4         | 0.4           | 0.3                        | 0.6         | 0.1           | 10.3                       | 19.5        | 3.3           |
| 65+              | 0.3          | 0.7         | 0.1           | 0.1                        | 0.2         | 0.0           | 3.0                        | 6.5         | 0.7           |
| TOTAL            | 4.3          | 4.7         | 4.0           | 0.6                        | 0.6         | 0.6           | 30.2                       | 33.4        | 27.4          |
| <b>1997</b>      |              |             |               |                            |             |               |                            |             |               |
| <i>Age Group</i> | <i>Total</i> |             |               | <i>White, Non-Hispanic</i> |             |               | <i>Black, Non-Hispanic</i> |             |               |
|                  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> | <i>Total</i>               | <i>Male</i> | <i>Female</i> |
| 10-14            | 0.2          | 0.0         | 0.4           | 0.0                        | 0.0         | 0.1           | 1.3                        | 0.2         | 2.4           |
| 15-19            | 4.2          | 2.6         | 5.8           | 0.6                        | 0.2         | 0.9           | 23.4                       | 15.2        | 31.8          |
| 20-24            | 7.5          | 6.9         | 8.2           | 0.9                        | 0.7         | 1.1           | 45.2                       | 42.5        | 47.9          |
| 25-29            | 7.5          | 7.5         | 7.5           | 1.1                        | 1.0         | 1.2           | 47.9                       | 48.5        | 47.3          |
| 30-34            | 6.9          | 7.1         | 6.7           | 1.1                        | 1.0         | 1.2           | 45.9                       | 50.5        | 41.9          |
| 35-39            | 6.2          | 6.9         | 5.5           | 1.2                        | 1.2         | 1.2           | 42.7                       | 50.6        | 35.8          |
| 40-44            | 4.5          | 6.1         | 3.0           | 0.7                        | 0.9         | 0.4           | 33.1                       | 47.4        | 20.8          |
| 45-54            | 2.4          | 3.6         | 1.2           | 0.4                        | 0.7         | 0.2           | 19.0                       | 30.9        | 9.1           |
| 55-64            | 1.2          | 2.2         | 0.3           | 0.3                        | 0.5         | 0.1           | 9.0                        | 18.0        | 2.0           |
| 65+              | 0.3          | 0.7         | 0.0           | 0.1                        | 0.2         | 0.0           | 2.8                        | 6.4         | 0.4           |
| TOTAL            | 3.2          | 3.6         | 2.9           | 0.5                        | 0.6         | 0.5           | 22.0                       | 25.0        | 19.3          |

NOTE: In 1996, cases from Rhode Island were excluded because race was not reported for most cases. Rates for the 0-9 year age group are not shown; however, these cases are included in the calculation of total rates.

**Table 24B. Primary and secondary syphilis — Reported rates per 100,000 population by age, gender and race/ethnicity: United States, 1994–1997 (continued)**

| <b>1994</b>      |                 |             |               |                               |             |               |                                      |             |               |
|------------------|-----------------|-------------|---------------|-------------------------------|-------------|---------------|--------------------------------------|-------------|---------------|
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 0.1             | 0.0         | 0.3           | 0.0                           | 0.0         | 0.0           | 0.0                                  | 0.0         | 0.0           |
| 15-19            | 2.8             | 3.4         | 2.2           | 0.8                           | 0.3         | 1.3           | 2.4                                  | 2.4         | 2.4           |
| 20-24            | 6.8             | 7.2         | 6.4           | 1.7                           | 2.3         | 1.1           | 3.1                                  | 2.5         | 3.8           |
| 25-29            | 6.4             | 7.4         | 5.3           | 3.0                           | 4.2         | 1.9           | 8.0                                  | 5.3         | 10.8          |
| 30-34            | 6.2             | 8.4         | 3.8           | 1.6                           | 2.8         | 0.5           | 5.7                                  | 5.1         | 6.2           |
| 35-39            | 5.2             | 7.0         | 3.4           | 1.6                           | 2.2         | 1.0           | 6.0                                  | 5.5         | 6.5           |
| 40-44            | 3.9             | 5.3         | 2.6           | 0.1                           | 0.3         | 0.0           | 2.3                                  | 3.1         | 1.5           |
| 45-54            | 2.2             | 3.0         | 1.5           | 0.3                           | 0.2         | 0.4           | 0.0                                  | 0.0         | 0.0           |
| 55-64            | 2.6             | 4.9         | 0.6           | 0.5                           | 0.8         | 0.3           | 0.0                                  | 0.0         | 0.0           |
| 65+              | 0.8             | 1.5         | 0.2           | 0.4                           | 0.4         | 0.3           | 0.0                                  | 0.0         | 0.0           |
| TOTAL            | 3.1             | 4.0         | 2.2           | 0.9                           | 1.2         | 0.6           | 2.2                                  | 1.9         | 2.5           |
| <b>1995</b>      |                 |             |               |                               |             |               |                                      |             |               |
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 0.1             | 0.0         | 0.3           | 0.0                           | 0.0         | 0.0           | 0.0                                  | 0.0         | 0.0           |
| 15-19            | 2.4             | 1.8         | 3.0           | 0.5                           | 0.0         | 1.0           | 4.2                                  | 1.2         | 7.3           |
| 20-24            | 5.4             | 5.7         | 5.1           | 1.7                           | 0.3         | 3.1           | 2.5                                  | 3.7         | 1.3           |
| 25-29            | 5.6             | 6.4         | 4.8           | 1.2                           | 0.8         | 1.6           | 8.2                                  | 8.1         | 8.3           |
| 30-34            | 5.3             | 6.0         | 4.4           | 1.8                           | 1.5         | 2.1           | 5.6                                  | 6.3         | 5.0           |
| 35-39            | 5.0             | 6.5         | 3.4           | 0.6                           | 0.3         | 1.0           | 2.0                                  | 2.7         | 1.3           |
| 40-44            | 2.7             | 4.2         | 1.2           | 0.6                           | 0.6         | 0.5           | 3.0                                  | 3.1         | 2.8           |
| 45-54            | 2.5             | 3.9         | 1.2           | 0.3                           | 0.2         | 0.4           | 2.6                                  | 3.2         | 2.0           |
| 55-64            | 1.2             | 1.7         | 0.7           | 0.2                           | 0.4         | 0.0           | 0.0                                  | 0.0         | 0.0           |
| 65+              | 0.9             | 1.8         | 0.3           | 0.3                           | 0.8         | 0.0           | 1.6                                  | 3.7         | 0.0           |
| TOTAL            | 2.6             | 3.2         | 2.0           | 0.6                           | 0.4         | 0.8           | 2.4                                  | 2.5         | 2.2           |
| <b>1996</b>      |                 |             |               |                               |             |               |                                      |             |               |
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 0.1             | 0.0         | 0.3           | 0.0                           | 0.0         | 0.0           | 0.0                                  | 0.0         | 0.0           |
| 15-19            | 1.9             | 1.6         | 2.3           | 0.8                           | 0.3         | 1.3           | 1.2                                  | 1.2         | 1.2           |
| 20-24            | 4.6             | 5.3         | 3.7           | 1.8                           | 1.4         | 2.2           | 4.4                                  | 2.4         | 6.4           |
| 25-29            | 4.0             | 5.4         | 2.4           | 1.4                           | 1.7         | 1.0           | 4.1                                  | 5.4         | 2.8           |
| 30-34            | 3.3             | 4.7         | 1.8           | 0.7                           | 0.7         | 0.7           | 5.7                                  | 5.1         | 6.2           |
| 35-39            | 3.6             | 5.0         | 2.2           | 0.8                           | 1.0         | 0.5           | 2.6                                  | 2.7         | 2.6           |
| 40-44            | 2.4             | 3.5         | 1.2           | 0.7                           | 0.9         | 0.5           | 3.7                                  | 0.0         | 7.1           |
| 45-54            | 1.4             | 2.0         | 0.9           | 0.3                           | 0.7         | 0.0           | 3.6                                  | 7.5         | 0.0           |
| 55-64            | 1.2             | 2.2         | 0.3           | 0.0                           | 0.0         | 0.0           | 0.0                                  | 0.0         | 0.0           |
| 65+              | 0.6             | 1.1         | 0.2           | 0.3                           | 0.8         | 0.0           | 0.0                                  | 0.0         | 0.0           |
| TOTAL            | 1.9             | 2.5         | 1.3           | 0.6                           | 0.6         | 0.5           | 2.1                                  | 2.1         | 2.0           |
| <b>1997</b>      |                 |             |               |                               |             |               |                                      |             |               |
| <i>Age Group</i> | <i>Hispanic</i> |             |               | <i>Asian/Pacific Islander</i> |             |               | <i>American Indian/Alaska Native</i> |             |               |
|                  | <i>Total</i>    | <i>Male</i> | <i>Female</i> | <i>Total</i>                  | <i>Male</i> | <i>Female</i> | <i>Total</i>                         | <i>Male</i> | <i>Female</i> |
| 10-14            | 0.1             | 0.1         | 0.2           | 0.0                           | 0.0         | 0.0           | 0.0                                  | 0.0         | 0.0           |
| 15-19            | 2.2             | 1.7         | 2.7           | 0.5                           | 0.3         | 0.6           | 0.6                                  | 0.0         | 1.1           |
| 20-24            | 3.2             | 3.9         | 2.3           | 0.8                           | 0.3         | 1.4           | 4.5                                  | 3.8         | 5.2           |
| 25-29            | 4.0             | 5.5         | 2.2           | 0.5                           | 1.0         | 0.0           | 4.5                                  | 6.3         | 2.6           |
| 30-34            | 2.8             | 3.7         | 1.8           | 0.8                           | 0.7         | 0.9           | 3.9                                  | 2.6         | 5.1           |
| 35-39            | 2.1             | 3.1         | 1.1           | 0.4                           | 0.5         | 0.2           | 3.2                                  | 2.7         | 3.8           |
| 40-44            | 2.0             | 2.5         | 1.5           | 0.7                           | 0.6         | 0.8           | 5.0                                  | 7.5         | 2.8           |
| 45-54            | 1.3             | 1.7         | 0.9           | 0.4                           | 0.4         | 0.3           | 3.5                                  | 5.1         | 1.9           |
| 55-64            | 1.2             | 2.5         | 0.0           | 0.0                           | 0.0         | 0.0           | 0.0                                  | 0.0         | 0.0           |
| 65+              | 0.5             | 1.2         | 0.0           | 0.0                           | 0.0         | 0.0           | 0.0                                  | 0.0         | 0.0           |
| TOTAL            | 1.6             | 2.1         | 1.0           | 0.3                           | 0.3         | 0.4           | 2.0                                  | 2.3         | 1.8           |

**Table 25. Primary and secondary syphilis — Reported cases and rates by state/area, ranked according to rates: United States and outlying areas, 1997**

| <i>Rank</i> | <i>State/Area</i>            | <i>Cases</i> | <i>Rate per 100,000 Population</i> |
|-------------|------------------------------|--------------|------------------------------------|
| 1           | Maryland                     | 891          | 17.6                               |
| 2           | Mississippi                  | 390          | 14.4                               |
| 3           | Tennessee                    | 747          | 14.0                               |
| 4           | South Carolina               | 378          | 10.2                               |
| 5           | North Carolina               | 721          | 9.8                                |
| 6           | Alabama                      | 410          | 9.6                                |
| 7           | Louisiana                    | 364          | 8.4                                |
| 8           | Georgia                      | 515          | 7.0                                |
| 9           | Arkansas                     | 173          | 6.9                                |
| 10          | Puerto Rico                  | 249          | 6.7                                |
|             | <b>YEAR 2000 OBJECTIVE</b>   |              | <b>4.0</b>                         |
| 11          | Illinois                     | 435          | 3.7                                |
| 12          | Kentucky                     | 135          | 3.5                                |
| 13          | Oklahoma                     | 117          | 3.5                                |
| 14          | Texas                        | 676          | 3.5                                |
| 15          | Virginia                     | 236          | 3.5                                |
|             | <b>U.S.TOTAL<sup>1</sup></b> | <b>8,550</b> | <b>3.2</b>                         |
| 16          | Arizona                      | 132          | 3.0                                |
| 17          | Delaware                     | 22           | 3.0                                |
| 18          | Indiana                      | 151          | 2.6                                |
| 19          | Florida                      | 296          | 2.1                                |
| 20          | Missouri                     | 114          | 2.1                                |
| 21          | Ohio                         | 218          | 2.0                                |
| 22          | Connecticut                  | 62           | 1.9                                |
| 23          | New Jersey                   | 151          | 1.9                                |
| 24          | Virgin Islands               | 2            | 1.8                                |
| 25          | Wisconsin                    | 89           | 1.7                                |
| 26          | Michigan                     | 153          | 1.6                                |
| 27          | Massachusetts                | 78           | 1.3                                |
| 28          | California                   | 386          | 1.2                                |
| 29          | Kansas                       | 29           | 1.1                                |
| 30          | Pennsylvania                 | 123          | 1.0                                |
| 31          | New York                     | 138          | 0.8                                |
| 32          | Nevada                       | 10           | 0.6                                |
| 33          | New Mexico                   | 9            | 0.5                                |
| 34          | Colorado                     | 15           | 0.4                                |
| 35          | Minnesota                    | 16           | 0.3                                |
| 36          | Nebraska                     | 5            | 0.3                                |
| 37          | Oregon                       | 10           | 0.3                                |
| 38          | Washington                   | 17           | 0.3                                |
| 39          | Alaska                       | 1            | 0.2                                |
| 40          | Iowa                         | 7            | 0.2                                |
| 41          | Maine                        | 2            | 0.2                                |
| 42          | Rhode Island                 | 2            | 0.2                                |
| 43          | Utah                         | 5            | 0.2                                |
| 44          | Hawaii                       | 1            | 0.1                                |
| 45          | Idaho                        | 1            | 0.1                                |
| 46          | South Dakota                 | 1            | 0.1                                |
| 47          | West Virginia                | 1            | 0.1                                |
| 48          | Montana                      | 0            | 0.0                                |
| 49          | New Hampshire                | 0            | 0.0                                |
| 50          | North Dakota                 | 0            | 0.0                                |
| 51          | Vermont                      | 0            | 0.0                                |
| 52          | Wyoming                      | 0            | 0.0                                |
| 53          | Guam                         | 0            | 0.0                                |

<sup>1</sup>Includes cases reported by Washington, D.C. but excludes outlying areas (Guam, Puerto Rico and Virgin Islands).

**Table 26. Primary and secondary syphilis — Reported cases and rates by state/area and region: United States and outlying areas, 1993–1997**

| State/Area              | Cases  |        |        |        |       | Rates per 100,000 Population |      |      |      |      |
|-------------------------|--------|--------|--------|--------|-------|------------------------------|------|------|------|------|
|                         | 1993   | 1994   | 1995   | 1996   | 1997  | 1993                         | 1994 | 1995 | 1996 | 1997 |
| Alabama                 | 869    | 661    | 612    | 528    | 410   | 20.8                         | 15.7 | 14.4 | 12.4 | 9.6  |
| Alaska                  | 11     | 3      | 2      | 0      | 1     | 1.8                          | 0.5  | 0.3  | 0.0  | 0.2  |
| Arizona                 | 95     | 50     | 46     | 102    | 132   | 2.4                          | 1.2  | 1.1  | 2.3  | 3.0  |
| Arkansas                | 559    | 446    | 495    | 262    | 173   | 23.0                         | 18.2 | 19.9 | 10.4 | 6.9  |
| California              | 1,073  | 807    | 583    | 509    | 386   | 3.4                          | 2.6  | 1.8  | 1.6  | 1.2  |
| Colorado                | 90     | 126    | 100    | 26     | 15    | 2.5                          | 3.4  | 2.7  | 0.7  | 0.4  |
| Connecticut             | 158    | 105    | 86     | 103    | 62    | 4.8                          | 3.2  | 2.6  | 3.1  | 1.9  |
| Delaware                | 94     | 27     | 19     | 35     | 22    | 13.4                         | 3.8  | 2.6  | 4.8  | 3.0  |
| Florida                 | 1,191  | 745    | 383    | 368    | 296   | 8.7                          | 5.3  | 2.7  | 2.6  | 2.1  |
| Georgia                 | 1,052  | 820    | 901    | 689    | 515   | 15.2                         | 11.6 | 12.5 | 9.4  | 7.0  |
| Hawaii                  | 7      | 4      | 0      | 3      | 1     | 0.6                          | 0.3  | 0.0  | 0.3  | 0.1  |
| Idaho                   | 2      | 2      | 0      | 4      | 1     | 0.2                          | 0.2  | 0.0  | 0.3  | 0.1  |
| Illinois                | 1,489  | 1,099  | 1,026  | 501    | 435   | 12.7                         | 9.4  | 8.7  | 4.2  | 3.7  |
| Indiana                 | 362    | 286    | 321    | 207    | 151   | 6.3                          | 5.0  | 5.5  | 3.5  | 2.6  |
| Iowa                    | 64     | 75     | 48     | 23     | 7     | 2.3                          | 2.7  | 1.7  | 0.8  | 0.2  |
| Kansas                  | 130    | 73     | 47     | 28     | 29    | 5.1                          | 2.9  | 1.8  | 1.1  | 1.1  |
| Kentucky                | 331    | 208    | 185    | 154    | 135   | 8.7                          | 5.4  | 4.8  | 4.0  | 3.5  |
| Louisiana               | 2,598  | 1,608  | 1,024  | 533    | 364   | 60.6                         | 37.3 | 23.6 | 12.3 | 8.4  |
| Maine                   | 8      | 4      | 2      | 1      | 2     | 0.6                          | 0.3  | 0.2  | 0.1  | 0.2  |
| Maryland                | 359    | 325    | 554    | 729    | 891   | 7.2                          | 6.5  | 11.0 | 14.4 | 17.6 |
| Massachusetts           | 122    | 90     | 69     | 85     | 78    | 2.0                          | 1.5  | 1.1  | 1.4  | 1.3  |
| Michigan                | 543    | 292    | 304    | 183    | 153   | 5.7                          | 3.1  | 3.2  | 1.9  | 1.6  |
| Minnesota               | 66     | 56     | 45     | 16     | 16    | 1.5                          | 1.2  | 1.0  | 0.3  | 0.3  |
| Mississippi             | 1,761  | 2,084  | 1,952  | 819    | 390   | 66.7                         | 78.1 | 72.4 | 30.2 | 14.4 |
| Missouri                | 1,354  | 987    | 584    | 221    | 114   | 25.9                         | 18.7 | 11.0 | 4.1  | 2.1  |
| Montana                 | 1      | 3      | 4      | 0      | 0     | 0.1                          | 0.4  | 0.5  | 0.0  | 0.0  |
| Nebraska                | 14     | 10     | 14     | 6      | 5     | 0.9                          | 0.6  | 0.9  | 0.4  | 0.3  |
| Nevada                  | 20     | 31     | 36     | 20     | 10    | 1.4                          | 2.1  | 2.4  | 1.2  | 0.6  |
| New Hampshire           | 26     | 4      | 0      | 1      | 0     | 2.3                          | 0.4  | 0.0  | 0.1  | 0.0  |
| New Jersey              | 328    | 240    | 188    | 177    | 151   | 4.2                          | 3.0  | 2.4  | 2.2  | 1.9  |
| New Mexico              | 34     | 18     | 13     | 3      | 9     | 2.1                          | 1.1  | 0.8  | 0.2  | 0.5  |
| New York                | 1,390  | 802    | 449    | 214    | 138   | 7.7                          | 4.4  | 2.5  | 1.2  | 0.8  |
| North Carolina          | 1,937  | 1,672  | 1,132  | 1,052  | 721   | 27.9                         | 23.7 | 15.7 | 14.4 | 9.8  |
| North Dakota            | 1      | 0      | 0      | 0      | 0     | 0.2                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Ohio                    | 1,180  | 1,187  | 896    | 584    | 218   | 10.7                         | 10.7 | 8.0  | 5.2  | 2.0  |
| Oklahoma                | 282    | 157    | 197    | 179    | 117   | 8.7                          | 4.8  | 6.0  | 5.4  | 3.5  |
| Oregon                  | 39     | 22     | 5      | 9      | 10    | 1.3                          | 0.7  | 0.2  | 0.3  | 0.3  |
| Pennsylvania            | 697    | 404    | 248    | 164    | 123   | 5.8                          | 3.4  | 2.1  | 1.4  | 1.0  |
| Rhode Island            | 16     | 16     | 4      | 4      | 2     | 1.6                          | 1.6  | 0.4  | 0.4  | 0.2  |
| South Carolina          | 921    | 799    | 570    | 402    | 378   | 25.4                         | 21.8 | 15.5 | 10.9 | 10.2 |
| South Dakota            | 2      | 2      | 0      | 0      | 1     | 0.3                          | 0.3  | 0.0  | 0.0  | 0.1  |
| Tennessee               | 1,156  | 1,044  | 906    | 850    | 747   | 22.7                         | 20.2 | 17.2 | 16.0 | 14.0 |
| Texas                   | 2,530  | 1,913  | 1,557  | 890    | 676   | 14.0                         | 10.4 | 8.3  | 4.7  | 3.5  |
| Utah                    | 10     | 12     | 4      | 3      | 5     | 0.5                          | 0.6  | 0.2  | 0.1  | 0.2  |
| Vermont                 | 1      | 0      | 0      | 0      | 0     | 0.2                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Virginia                | 660    | 796    | 600    | 393    | 236   | 10.2                         | 12.2 | 9.1  | 5.9  | 3.5  |
| Washington              | 67     | 36     | 17     | 9      | 17    | 1.3                          | 0.7  | 0.3  | 0.2  | 0.3  |
| West Virginia           | 8      | 8      | 16     | 7      | 1     | 0.4                          | 0.4  | 0.9  | 0.4  | 0.1  |
| Wisconsin               | 494    | 298    | 185    | 176    | 89    | 9.8                          | 5.9  | 3.6  | 3.4  | 1.7  |
| Wyoming                 | 4      | 0      | 1      | 2      | 0     | 0.9                          | 0.0  | 0.2  | 0.4  | 0.0  |
| U.S. TOTAL <sup>1</sup> | 26,497 | 20,627 | 16,542 | 11,390 | 8,550 | 10.3                         | 7.9  | 6.3  | 4.3  | 3.2  |
| Northeast               | 2,746  | 1,665  | 1,046  | 749    | 556   | 5.4                          | 3.2  | 2.0  | 1.5  | 1.1  |
| Midwest                 | 5,699  | 4,365  | 3,470  | 1,945  | 1,218 | 9.3                          | 7.1  | 5.6  | 3.1  | 2.0  |
| South                   | 16,599 | 13,483 | 11,215 | 8,006  | 6,189 | 18.6                         | 14.9 | 12.2 | 8.6  | 6.6  |
| West                    | 1,453  | 1,114  | 811    | 690    | 587   | 2.6                          | 2.0  | 1.4  | 1.2  | 1.0  |
| Guam                    | 0      | 2      | 0      | 0      | 0     | 0.0                          | 1.4  | 0.0  | 0.0  | 0.0  |
| Puerto Rico             | 470    | 311    | 285    | 208    | 249   | 13.0                         | 8.4  | 7.7  | 5.6  | 6.7  |
| Virgin Islands          | 12     | 7      | 2      | 11     | 2     | 10.8                         | 6.3  | 1.8  | 9.9  | 1.8  |
| OUTLYING AREAS          | 482    | 320    | 287    | 219    | 251   | 12.4                         | 8.1  | 7.2  | 5.5  | 6.3  |
| TOTAL                   | 26,979 | 20,947 | 16,829 | 11,609 | 8,801 | 10.3                         | 7.9  | 6.3  | 4.3  | 3.3  |

<sup>1</sup>Includes cases reported by Washington, D.C.

**Table 27. Primary and secondary syphilis — Women — Reported cases and rates by state/area: United States and outlying areas, 1993–1997**

| State/Area              | Cases  |        |       |       |       | Rates Per 100,000 Population |      |      |      |      |
|-------------------------|--------|--------|-------|-------|-------|------------------------------|------|------|------|------|
|                         | 1993   | 1994   | 1995  | 1996  | 1997  | 1993                         | 1994 | 1995 | 1996 | 1997 |
| Alabama                 | 389    | 289    | 257   | 244   | 183   | 17.9                         | 13.2 | 11.6 | 11.0 | 8.2  |
| Alaska                  | 3      | 1      | 1     | 0     | 0     | 1.1                          | 0.3  | 0.4  | 0.0  | 0.0  |
| Arizona                 | 34     | 13     | 14    | 43    | 37    | 1.7                          | 0.6  | 0.7  | 1.9  | 1.7  |
| Arkansas                | 300    | 229    | 267   | 144   | 103   | 23.9                         | 18.0 | 20.8 | 11.1 | 7.9  |
| California              | 369    | 308    | 219   | 187   | 116   | 2.4                          | 2.0  | 1.4  | 1.2  | 0.7  |
| Colorado                | 37     | 48     | 42    | 10    | 5     | 2.1                          | 2.6  | 2.2  | 0.5  | 0.3  |
| Connecticut             | 79     | 54     | 34    | 58    | 25    | 4.7                          | 3.2  | 2.0  | 3.4  | 1.5  |
| Delaware                | 57     | 12     | 7     | 14    | 10    | 15.9                         | 3.3  | 1.9  | 3.8  | 2.7  |
| Florida                 | 500    | 337    | 189   | 172   | 131   | 7.1                          | 4.7  | 2.6  | 2.3  | 1.8  |
| Georgia                 | 447    | 350    | 360   | 284   | 194   | 12.6                         | 9.7  | 9.7  | 7.5  | 5.1  |
| Hawaii                  | 1      | 0      | 0     | 1     | 0     | 0.2                          | 0.0  | 0.0  | 0.2  | 0.0  |
| Idaho                   | 0      | 2      | 0     | 3     | 0     | 0.0                          | 0.4  | 0.0  | 0.5  | 0.0  |
| Illinois                | 702    | 536    | 500   | 246   | 194   | 11.7                         | 8.9  | 8.2  | 4.1  | 3.2  |
| Indiana                 | 168    | 147    | 151   | 115   | 82    | 5.7                          | 5.0  | 5.1  | 3.8  | 2.7  |
| Iowa                    | 30     | 41     | 31    | 16    | 4     | 2.1                          | 2.8  | 2.1  | 1.1  | 0.3  |
| Kansas                  | 60     | 46     | 22    | 10    | 11    | 4.7                          | 3.5  | 1.7  | 0.8  | 0.8  |
| Kentucky                | 147    | 108    | 83    | 81    | 66    | 7.5                          | 5.5  | 4.2  | 4.1  | 3.3  |
| Louisiana               | 1,357  | 853    | 505   | 271   | 187   | 60.9                         | 38.1 | 22.4 | 12.0 | 8.3  |
| Maine                   | 3      | 3      | 0     | 0     | 1     | 0.5                          | 0.5  | 0.0  | 0.0  | 0.2  |
| Maryland                | 142    | 129    | 233   | 329   | 400   | 5.6                          | 5.0  | 9.0  | 12.6 | 15.4 |
| Massachusetts           | 56     | 39     | 27    | 30    | 33    | 1.8                          | 1.2  | 0.9  | 1.0  | 1.0  |
| Michigan                | 269    | 138    | 132   | 82    | 68    | 5.5                          | 2.8  | 2.7  | 1.7  | 1.4  |
| Minnesota               | 28     | 23     | 25    | 8     | 4     | 1.2                          | 1.0  | 1.1  | 0.3  | 0.2  |
| Mississippi             | 943    | 1,058  | 1,000 | 430   | 200   | 68.6                         | 76.1 | 71.2 | 30.5 | 14.2 |
| Missouri                | 638    | 450    | 283   | 103   | 60    | 23.6                         | 16.5 | 10.3 | 3.7  | 2.2  |
| Montana                 | 1      | 3      | 2     | 0     | 0     | 0.2                          | 0.7  | 0.5  | 0.0  | 0.0  |
| Nebraska                | 7      | 3      | 4     | 4     | 2     | 0.8                          | 0.4  | 0.5  | 0.5  | 0.2  |
| Nevada                  | 9      | 9      | 12    | 10    | 6     | 1.3                          | 1.3  | 1.6  | 1.3  | 0.8  |
| New Hampshire           | 8      | 0      | 0     | 0     | 0     | 1.4                          | 0.0  | 0.0  | 0.0  | 0.0  |
| New Jersey              | 147    | 113    | 72    | 81    | 59    | 3.6                          | 2.8  | 1.8  | 2.0  | 1.4  |
| New Mexico              | 11     | 10     | 3     | 1     | 5     | 1.3                          | 1.2  | 0.4  | 0.1  | 0.6  |
| New York                | 580    | 322    | 218   | 92    | 56    | 6.1                          | 3.4  | 2.3  | 1.0  | 0.6  |
| North Carolina          | 931    | 838    | 536   | 484   | 353   | 26.0                         | 23.0 | 14.5 | 12.9 | 9.4  |
| North Dakota            | 0      | 0      | 0     | 0     | 0     | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Ohio                    | 601    | 601    | 417   | 287   | 101   | 10.5                         | 10.5 | 7.2  | 5.0  | 1.8  |
| Oklahoma                | 133    | 70     | 90    | 80    | 53    | 8.0                          | 4.2  | 5.4  | 4.7  | 3.1  |
| Oregon                  | 10     | 11     | 2     | 3     | 2     | 0.6                          | 0.7  | 0.1  | 0.2  | 0.1  |
| Pennsylvania            | 280    | 164    | 92    | 62    | 52    | 4.5                          | 2.6  | 1.5  | 1.0  | 0.8  |
| Rhode Island            | 6      | 7      | 2     | 1     | 1     | 1.2                          | 1.4  | 0.4  | 0.2  | 0.2  |
| South Carolina          | 472    | 403    | 285   | 182   | 173   | 25.2                         | 21.3 | 15.0 | 9.5  | 9.0  |
| South Dakota            | 0      | 0      | 0     | 0     | 0     | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Tennessee               | 525    | 510    | 432   | 422   | 370   | 19.9                         | 19.0 | 15.9 | 15.4 | 13.5 |
| Texas                   | 1,188  | 993    | 770   | 437   | 315   | 13.0                         | 10.7 | 8.1  | 4.5  | 3.3  |
| Utah                    | 4      | 4      | 0     | 0     | 2     | 0.4                          | 0.4  | 0.0  | 0.0  | 0.2  |
| Vermont                 | 0      | 0      | 0     | 0     | 0     | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Virginia                | 319    | 400    | 299   | 204   | 111   | 9.7                          | 12.0 | 8.8  | 6.0  | 3.3  |
| Washington              | 29     | 11     | 6     | 2     | 8     | 1.1                          | 0.4  | 0.2  | 0.1  | 0.3  |
| West Virginia           | 2      | 1      | 11    | 6     | 1     | 0.2                          | 0.1  | 1.2  | 0.6  | 0.1  |
| Wisconsin               | 276    | 170    | 93    | 85    | 49    | 10.7                         | 6.6  | 3.6  | 3.2  | 1.9  |
| Wyoming                 | 2      | 0      | 0     | 1     | 0     | 0.9                          | 0.0  | 0.0  | 0.4  | 0.0  |
| U.S. TOTAL <sup>1</sup> | 12,423 | 9,929  | 7,776 | 5,382 | 3,891 | 9.4                          | 7.5  | 5.8  | 4.0  | 2.9  |
| Guam                    | 0      | 1      | 0     | 0     | 0     | 0.0                          | 1.5  | 0.0  | 0.0  | 0.0  |
| Puerto Rico             | 216    | 152    | 141   | 100   | 116   | 11.6                         | 8.0  | 7.3  | 5.2  | 6.0  |
| Virgin Islands          | 7      | 4      | 0     | 5     | 0     | 12.2                         | 6.9  | 0.0  | 8.7  | 0.0  |
| OUTLYING AREAS          | 223    | 157    | 141   | 105   | 116   | 11.2                         | 7.7  | 6.9  | 5.1  | 5.7  |
| TOTAL                   | 12,646 | 10,086 | 7,917 | 5,487 | 4,007 | 9.4                          | 7.5  | 5.8  | 4.0  | 2.9  |

<sup>1</sup>Includes cases reported by Washington, D.C.

NOTE: Cases and rates underestimated in some areas because of under-reporting or non-reporting by gender.

**Table 28. Primary and secondary syphilis — Men — Reported cases and rates by state/area: United States and outlying areas, 1993–1997**

| State/Area              | Cases  |        |       |       |       | Rates Per 100,000 Population |      |      |      |      |
|-------------------------|--------|--------|-------|-------|-------|------------------------------|------|------|------|------|
|                         | 1993   | 1994   | 1995  | 1996  | 1997  | 1993                         | 1994 | 1995 | 1996 | 1997 |
| Alabama                 | 480    | 372    | 355   | 284   | 227   | 23.9                         | 18.4 | 17.4 | 13.8 | 11.1 |
| Alaska                  | 8      | 2      | 1     | 0     | 1     | 2.5                          | 0.6  | 0.3  | 0.0  | 0.3  |
| Arizona                 | 61     | 37     | 32    | 59    | 95    | 3.1                          | 1.8  | 1.5  | 2.7  | 4.3  |
| Arkansas                | 259    | 217    | 228   | 118   | 70    | 22.1                         | 18.3 | 19.0 | 9.7  | 5.8  |
| California              | 704    | 499    | 362   | 322   | 270   | 4.5                          | 3.2  | 2.3  | 2.0  | 1.7  |
| Colorado                | 53     | 78     | 58    | 16    | 10    | 3.0                          | 4.3  | 3.1  | 0.8  | 0.5  |
| Connecticut             | 79     | 51     | 52    | 45    | 37    | 5.0                          | 3.2  | 3.3  | 2.8  | 2.3  |
| Delaware                | 37     | 15     | 12    | 21    | 12    | 10.9                         | 4.3  | 3.4  | 5.9  | 3.4  |
| Florida                 | 691    | 408    | 194   | 196   | 165   | 10.4                         | 6.0  | 2.8  | 2.8  | 2.4  |
| Georgia                 | 605    | 470    | 541   | 405   | 321   | 18.0                         | 13.7 | 15.5 | 11.3 | 9.0  |
| Hawaii                  | 6      | 4      | 0     | 2     | 1     | 1.0                          | 0.7  | 0.0  | 0.3  | 0.2  |
| Idaho                   | 2      | 0      | 0     | 1     | 1     | 0.4                          | 0.0  | 0.0  | 0.2  | 0.2  |
| Illinois                | 787    | 563    | 526   | 255   | 241   | 13.8                         | 9.8  | 9.1  | 4.4  | 4.2  |
| Indiana                 | 194    | 139    | 169   | 92    | 69    | 7.0                          | 5.0  | 6.0  | 3.2  | 2.4  |
| Iowa                    | 34     | 34     | 17    | 7     | 3     | 2.5                          | 2.5  | 1.2  | 0.5  | 0.2  |
| Kansas                  | 70     | 27     | 25    | 18    | 18    | 5.6                          | 2.2  | 2.0  | 1.4  | 1.4  |
| Kentucky                | 184    | 100    | 102   | 73    | 69    | 10.0                         | 5.4  | 5.5  | 3.9  | 3.7  |
| Louisiana               | 1,241  | 755    | 519   | 262   | 177   | 60.1                         | 36.4 | 24.9 | 12.5 | 8.4  |
| Maine                   | 5      | 1      | 2     | 1     | 1     | 0.8                          | 0.2  | 0.3  | 0.2  | 0.2  |
| Maryland                | 217    | 163    | 321   | 400   | 490   | 9.0                          | 6.7  | 13.1 | 16.2 | 19.8 |
| Massachusetts           | 66     | 51     | 42    | 55    | 45    | 2.3                          | 1.8  | 1.4  | 1.9  | 1.5  |
| Michigan                | 274    | 154    | 172   | 101   | 85    | 6.0                          | 3.3  | 3.7  | 2.2  | 1.8  |
| Minnesota               | 38     | 33     | 20    | 8     | 12    | 1.7                          | 1.5  | 0.9  | 0.3  | 0.5  |
| Mississippi             | 818    | 1,026  | 952   | 388   | 189   | 64.7                         | 80.2 | 73.6 | 29.7 | 14.5 |
| Missouri                | 716    | 537    | 301   | 118   | 54    | 28.3                         | 21.1 | 11.7 | 4.5  | 2.1  |
| Montana                 | 0      | 0      | 2     | 0     | 0     | 0.0                          | 0.0  | 0.5  | 0.0  | 0.0  |
| Nebraska                | 7      | 7      | 10    | 2     | 3     | 0.9                          | 0.9  | 1.3  | 0.2  | 0.4  |
| Nevada                  | 11     | 22     | 24    | 10    | 4     | 1.6                          | 3.0  | 3.1  | 1.2  | 0.5  |
| New Hampshire           | 18     | 4      | 0     | 1     | 0     | 3.3                          | 0.7  | 0.0  | 0.2  | 0.0  |
| New Jersey              | 181    | 127    | 116   | 96    | 92    | 4.8                          | 3.3  | 3.0  | 2.5  | 2.4  |
| New Mexico              | 23     | 8      | 10    | 2     | 4     | 2.9                          | 1.0  | 1.2  | 0.2  | 0.5  |
| New York                | 810    | 480    | 231   | 122   | 82    | 9.3                          | 5.5  | 2.6  | 1.4  | 0.9  |
| North Carolina          | 1,006  | 834    | 596   | 568   | 368   | 29.8                         | 24.3 | 17.1 | 16.0 | 10.3 |
| North Dakota            | 1      | 0      | 0     | 0     | 0     | 0.3                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Ohio                    | 579    | 586    | 479   | 297   | 117   | 10.8                         | 10.9 | 8.9  | 5.5  | 2.2  |
| Oklahoma                | 149    | 87     | 107   | 99    | 64    | 9.5                          | 5.5  | 6.7  | 6.1  | 4.0  |
| Oregon                  | 29     | 11     | 3     | 6     | 8     | 1.9                          | 0.7  | 0.2  | 0.4  | 0.5  |
| Pennsylvania            | 417    | 240    | 156   | 102   | 71    | 7.2                          | 4.1  | 2.7  | 1.8  | 1.2  |
| Rhode Island            | 10     | 9      | 2     | 3     | 1     | 2.1                          | 1.9  | 0.4  | 0.6  | 0.2  |
| South Carolina          | 449    | 396    | 285   | 220   | 205   | 25.6                         | 22.4 | 16.1 | 12.3 | 11.5 |
| South Dakota            | 2      | 2      | 0     | 0     | 1     | 0.6                          | 0.6  | 0.0  | 0.0  | 0.3  |
| Tennessee               | 631    | 534    | 474   | 428   | 377   | 25.7                         | 21.4 | 18.7 | 16.6 | 14.7 |
| Texas                   | 1,342  | 920    | 787   | 453   | 361   | 15.1                         | 10.2 | 8.5  | 4.8  | 3.8  |
| Utah                    | 6      | 8      | 4     | 3     | 3     | 0.6                          | 0.8  | 0.4  | 0.3  | 0.3  |
| Vermont                 | 1      | 0      | 0     | 0     | 0     | 0.4                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Virginia                | 341    | 396    | 301   | 189   | 124   | 10.7                         | 12.3 | 9.3  | 5.8  | 3.8  |
| Washington              | 38     | 25     | 11    | 7     | 9     | 1.5                          | 0.9  | 0.4  | 0.3  | 0.3  |
| West Virginia           | 6      | 7      | 5     | 1     | 0     | 0.7                          | 0.8  | 0.6  | 0.1  | 0.0  |
| Wisconsin               | 218    | 128    | 92    | 91    | 40    | 8.8                          | 5.1  | 3.7  | 3.6  | 1.6  |
| Wyoming                 | 2      | 0      | 1     | 1     | 0     | 0.8                          | 0.0  | 0.4  | 0.4  | 0.0  |
| U.S. TOTAL <sup>1</sup> | 14,074 | 10,665 | 8,763 | 6,007 | 4,656 | 11.2                         | 8.4  | 6.8  | 4.6  | 3.6  |
| Guam                    | 0      | 1      | 0     | 0     | 0     | 0.0                          | 1.4  | 0.0  | 0.0  | 0.0  |
| Puerto Rico             | 254    | 159    | 144   | 108   | 133   | 14.5                         | 8.9  | 8.0  | 6.0  | 7.4  |
| Virgin Islands          | 5      | 3      | 2     | 6     | 2     | 9.4                          | 5.6  | 3.8  | 11.3 | 3.8  |
| OUTLYING AREAS          | 259    | 163    | 146   | 114   | 135   | 13.8                         | 8.5  | 7.6  | 5.9  | 7.0  |
| TOTAL                   | 14,333 | 10,828 | 8,909 | 6,121 | 4,791 | 11.2                         | 8.4  | 6.8  | 4.6  | 3.6  |

<sup>1</sup>Includes cases reported by Washington, D.C.

NOTE: Cases and rates underestimated in some areas because of under-reporting or non-reporting by gender.

**Table 29. Primary and secondary syphilis — Reported cases and rates in selected cities of >200,000 population, ranked according to rates: United States and outlying areas, 1997**

| <i>Rank</i> | <i>City</i>                | <i>Cases</i> | <i>Rate per 100,000 Population</i> |
|-------------|----------------------------|--------------|------------------------------------|
| 1           | Baltimore, MD              | 669          | 99.1                               |
| 2           | Memphis, TN                | 343          | 39.5                               |
| 3           | Nashville, TN              | 203          | 37.9                               |
| 4           | Atlanta, GA                | 204          | 28.4                               |
| 5           | New Orleans, LA            | 132          | 27.7                               |
| 6           | Richmond, VA               | 49           | 24.7                               |
| 7           | Washington, DC             | 117          | 21.5                               |
| 8           | Norfolk, VA                | 44           | 18.8                               |
| 9           | St Louis, MO               | 60           | 17.1                               |
| 10          | Oklahoma City, OK          | 73           | 16.6                               |
| 11          | Birmingham, AL             | 107          | 16.2                               |
| 12          | Louisville, KY             | 107          | 15.9                               |
| 13          | Chicago, IL                | 346          | 11.8                               |
| 14          | San Juan, PR               | 99           | 11.4                               |
| 15          | Detroit, MI                | 101          | 9.7                                |
| 16          | Boston, MA                 | 52           | 9.3                                |
| 17          | Milwaukee, WI              | 84           | 9.1                                |
| 18          | Newark, NJ                 | 26           | 9.1                                |
| 19          | Indianapolis, IN           | 71           | 8.7                                |
| 20          | Charlotte, NC              | 48           | 8.0                                |
| 21          | Dallas, TX                 | 148          | 7.4                                |
| 22          | Philadelphia, PA           | 108          | 7.3                                |
| 23          | San Francisco, CA          | 52           | 7.1                                |
| 24          | Houston, TX                | 180          | 5.8                                |
| 25          | Tulsa, OK                  | 21           | 5.5                                |
| 26          | Columbus, OH               | 54           | 5.3                                |
| 27          | Jacksonville, FL           | 36           | 5.0                                |
| 28          | Dayton, OH                 | 28           | 4.9                                |
| 29          | Phoenix, AZ                | 118          | 4.5                                |
| 30          | Cleveland, OH              | 61           | 4.4                                |
| 31          | Jersey City, NJ            | 9            | 4.1                                |
|             | <b>YEAR 2000 OBJECTIVE</b> |              | <b>4.0</b>                         |
| 32          | Cincinnati, OH             | 34           | 4.0                                |
| 33          | Tampa, FL                  | 34           | 3.8                                |
| 34          | Wichita, KS                | 14           | 3.3                                |
| 35          | Minneapolis, MN            | 12           | 3.1                                |
| 36          | Fort Worth, TX             | 39           | 3.0                                |
| 37          | Miami, FL                  | 49           | 2.4                                |
| 38          | San Antonio, TX            | 27           | 2.0                                |
| 39          | Albuquerque, NM            | 9            | 1.7                                |
| 40          | Denver, CO                 | 8            | 1.6                                |
| 41          | Tucson, AZ                 | 12           | 1.6                                |
| 42          | Toledo, OH                 | 6            | 1.3                                |
| 43          | New York City, NY          | 97           | 1.3                                |
| 44          | St Petersburg, FL          | 11           | 1.3                                |
| 45          | Los Angeles, CA            | 108          | 1.3                                |
| 46          | Austin, TX                 | 8            | 1.2                                |
| 47          | Yonkers, NY                | 2            | 1.0                                |
| 48          | San Diego, CA              | 23           | 0.9                                |
| 49          | Rochester, NY              | 2            | 0.8                                |
| 50          | Akron, OH                  | 4            | 0.8                                |
| 51          | Seattle, WA                | 11           | 0.7                                |
| 52          | Corpus Christi, TX         | 2            | 0.6                                |
| 53          | Buffalo, NY                | 2            | 0.6                                |
| 54          | Portland, OR               | 3            | 0.6                                |
| 55          | Oakland, CA                | 7            | 0.6                                |
| 56          | Kansas City, MO            | 2            | 0.4                                |
| 57          | El Paso, TX                | 3            | 0.4                                |
| 58          | Pittsburgh, PA             | 5            | 0.4                                |
| 59          | Sacramento, CA             | 4            | 0.4                                |
| 60          | San Jose, CA               | 5            | 0.3                                |
| 61          | Omaha, NE                  | 1            | 0.2                                |
| 62          | Honolulu, HI               | 1            | 0.1                                |
| 63          | Des Moines, IA             | 0            | 0.0                                |
| 64          | St Paul, MN                | 0            | 0.0                                |

**Table 30. Primary and secondary syphilis — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997**

| City               | Cases  |       |       |       |       | Rates per 100,000 Population |       |       |      |      |
|--------------------|--------|-------|-------|-------|-------|------------------------------|-------|-------|------|------|
|                    | 1993   | 1994  | 1995  | 1996  | 1997  | 1993                         | 1994  | 1995  | 1996 | 1997 |
| Akron, OH          | 6      | 2     | 1     | 0     | 4     | 1.1                          | 0.4   | 0.2   | 0.0  | 0.8  |
| Albuquerque, NM    | 14     | 13    | 6     | 2     | 9     | 2.8                          | 2.5   | 1.1   | 0.4  | 1.7  |
| Atlanta, GA        | 335    | 261   | 320   | 247   | 204   | 49.5                         | 37.8  | 45.7  | 34.4 | 28.4 |
| Austin, TX         | 100    | 60    | 17    | 9     | 8     | 15.9                         | 9.3   | 2.6   | 1.3  | 1.2  |
| Baltimore, MD      | 144    | 192   | 417   | 553   | 669   | 20.1                         | 27.3  | 60.3  | 81.9 | 99.1 |
| Birmingham, AL     | 295    | 260   | 264   | 202   | 107   | 44.9                         | 39.6  | 40.1  | 30.5 | 16.2 |
| Boston, MA         | 34     | 24    | 40    | 42    | 52    | 6.2                          | 4.4   | 7.2   | 7.5  | 9.3  |
| Buffalo, NY        | 33     | 8     | 2     | 6     | 2     | 10.0                         | 2.4   | 0.6   | 1.9  | 0.6  |
| Charlotte, NC      | 209    | 214   | 125   | 135   | 48    | 38.1                         | 38.0  | 21.6  | 22.6 | 8.0  |
| Chicago, IL        | 1,016  | 648   | 582   | 343   | 346   | 34.4                         | 22.0  | 19.7  | 11.7 | 11.8 |
| Cincinnati, OH     | 395    | 473   | 252   | 76    | 34    | 45.3                         | 54.5  | 29.2  | 8.9  | 4.0  |
| Cleveland, OH      | 517    | 411   | 263   | 130   | 61    | 36.7                         | 29.3  | 18.8  | 9.3  | 4.4  |
| Columbus, OH       | 8      | 8     | 7     | 54    | 54    | 0.8                          | 0.8   | 0.7   | 5.3  | 5.3  |
| Corpus Christi, TX | 17     | 20    | 8     | 0     | 2     | 5.6                          | 6.4   | 2.6   | 0.0  | 0.6  |
| Dallas, TX         | 410    | 292   | 268   | 236   | 148   | 21.3                         | 15.0  | 13.7  | 11.8 | 7.4  |
| Dayton, OH         | 76     | 127   | 244   | 201   | 28    | 13.2                         | 22.2  | 42.8  | 35.5 | 4.9  |
| Denver, CO         | 44     | 83    | 68    | 11    | 8     | 8.9                          | 16.8  | 13.8  | 2.2  | 1.6  |
| Des Moines, IA     | 33     | 37    | 27    | 6     | 0     | 9.6                          | 10.7  | 7.7   | 1.7  | 0.0  |
| Detroit, MI        | 277    | 153   | 130   | 92    | 101   | 26.0                         | 14.5  | 12.4  | 8.8  | 9.7  |
| El Paso, TX        | 17     | 5     | 2     | 10    | 3     | 2.6                          | 0.8   | 0.3   | 1.5  | 0.4  |
| Fort Worth, TX     | 351    | 190   | 140   | 95    | 39    | 28.5                         | 15.1  | 10.9  | 7.3  | 3.0  |
| Honolulu, HI       | 6      | 4     | 0     | 3     | 1     | 0.7                          | 0.5   | 0.0   | 0.3  | 0.1  |
| Houston, TX        | 571    | 443   | 417   | 151   | 180   | 19.0                         | 14.5  | 13.6  | 4.8  | 5.8  |
| Indianapolis, IN   | 120    | 62    | 74    | 85    | 71    | 14.7                         | 7.6   | 9.1   | 10.4 | 8.7  |
| Jacksonville, FL   | 73     | 108   | 50    | 75    | 36    | 10.4                         | 15.4  | 7.1   | 10.4 | 5.0  |
| Jersey City, NJ    | 22     | 14    | 27    | 10    | 9     | 10.1                         | 6.4   | 12.4  | 4.6  | 4.1  |
| Kansas City, MO    | 162    | 73    | 24    | 7     | 2     | 37.1                         | 16.7  | 5.5   | 1.6  | 0.4  |
| Los Angeles, CA    | 531    | 346   | 273   | 213   | 108   | 6.2                          | 4.0   | 3.2   | 2.5  | 1.3  |
| Louisville, KY     | 275    | 147   | 128   | 104   | 107   | 41.0                         | 21.9  | 19.0  | 15.5 | 15.9 |
| Memphis, TN        | 549    | 533   | 477   | 397   | 343   | 64.7                         | 62.1  | 55.1  | 45.8 | 39.5 |
| Miami, FL          | 266    | 175   | 51    | 38    | 49    | 13.3                         | 8.6   | 2.5   | 1.8  | 2.4  |
| Milwaukee, WI      | 460    | 279   | 150   | 158   | 84    | 48.6                         | 29.7  | 16.1  | 17.1 | 9.1  |
| Minneapolis, MN    | 43     | 38    | 24    | 4     | 12    | 11.3                         | 9.9   | 6.3   | 1.0  | 3.1  |
| Nashville, TN      | 149    | 100   | 97    | 193   | 203   | 28.6                         | 19.0  | 18.3  | 36.1 | 37.9 |
| New Orleans, LA    | 397    | 203   | 221   | 169   | 132   | 81.5                         | 41.9  | 45.9  | 35.5 | 27.7 |
| New York City, NY  | 1,132  | 629   | 364   | 138   | 97    | 15.5                         | 8.6   | 5.0   | 1.9  | 1.3  |
| Newark, NJ         | 100    | 60    | 43    | 25    | 26    | 34.2                         | 20.7  | 15.0  | 8.7  | 9.1  |
| Norfolk, VA        | 89     | 122   | 130   | 92    | 44    | 36.1                         | 50.5  | 54.7  | 39.4 | 18.8 |
| Oakland, CA        | 76     | 51    | 16    | 10    | 7     | 6.3                          | 4.2   | 1.3   | 0.8  | 0.6  |
| Oklahoma City, OK  | 177    | 115   | 106   | 114   | 73    | 41.0                         | 26.4  | 24.3  | 25.9 | 16.6 |
| Omaha, NE          | 8      | 5     | 7     | 0     | 1     | 1.9                          | 1.2   | 1.6   | 0.0  | 0.2  |
| Philadelphia, PA   | 515    | 298   | 199   | 141   | 108   | 33.5                         | 19.6  | 13.3  | 9.5  | 7.3  |
| Phoenix, AZ        | 55     | 28    | 43    | 89    | 118   | 2.4                          | 1.2   | 1.8   | 3.4  | 4.5  |
| Pittsburgh, PA     | 11     | 9     | 4     | 2     | 5     | 0.8                          | 0.7   | 0.3   | 0.2  | 0.4  |
| Portland, OR       | 24     | 18    | 4     | 7     | 3     | 5.0                          | 3.7   | 0.8   | 1.4  | 0.6  |
| Richmond, VA       | 55     | 39    | 37    | 66    | 49    | 27.2                         | 19.4  | 18.7  | 33.3 | 24.7 |
| Rochester, NY      | 71     | 59    | 18    | 13    | 2     | 29.0                         | 24.2  | 7.4   | 5.4  | 0.8  |
| Sacramento, CA     | 8      | 9     | 5     | 6     | 4     | 0.7                          | 0.8   | 0.5   | 0.5  | 0.4  |
| San Antonio, TX    | 81     | 62    | 50    | 25    | 27    | 6.4                          | 4.8   | 3.9   | 1.9  | 2.0  |
| San Diego, CA      | 106    | 98    | 53    | 36    | 23    | 4.1                          | 3.7   | 2.0   | 1.4  | 0.9  |
| San Francisco, CA  | 69     | 45    | 32    | 33    | 52    | 9.4                          | 6.1   | 4.4   | 4.5  | 7.1  |
| San Jose, CA       | 27     | 4     | 2     | 3     | 5     | 1.7                          | 0.3   | 0.1   | 0.2  | 0.3  |
| Seattle, WA        | 22     | 11    | 5     | 1     | 11    | 1.4                          | 0.7   | 0.3   | 0.1  | 0.7  |
| St Louis, MO       | 908    | 651   | 361   | 142   | 60    | 241.3                        | 176.8 | 100.6 | 40.4 | 17.1 |
| St Paul, MN        | 10     | 7     | 7     | 3     | 0     | 3.6                          | 2.5   | 2.5   | 1.1  | 0.0  |
| St Petersburg, FL  | 154    | 74    | 20    | 8     | 11    | 17.8                         | 8.5   | 2.3   | 0.9  | 1.3  |
| Tampa, FL          | 25     | 31    | 33    | 44    | 34    | 2.9                          | 3.5   | 3.7   | 4.9  | 3.8  |
| Toledo, OH         | 97     | 35    | 22    | 30    | 6     | 21.1                         | 7.6   | 4.8   | 6.6  | 1.3  |
| Tucson, AZ         | 32     | 12    | 1     | 10    | 12    | 4.5                          | 1.6   | 0.1   | 1.3  | 1.6  |
| Tulsa, OK          | 61     | 9     | 48    | 40    | 21    | 16.2                         | 2.4   | 12.7  | 10.5 | 5.5  |
| Washington, DC     | 291    | 170   | 112   | 116   | 117   | 50.3                         | 30.0  | 20.2  | 21.4 | 21.5 |
| Wichita, KS        | 6      | 10    | 16    | 15    | 14    | 1.4                          | 2.4   | 3.8   | 3.6  | 3.3  |
| Yonkers, NY        | 11     | 5     | 2     | 0     | 2     | 5.8                          | 2.6   | 1.0   | 0.0  | 1.0  |
| U.S. CITY TOTAL    | 12,176 | 8,672 | 6,936 | 5,266 | 4,196 | 17.8                         | 12.6  | 10.1  | 7.6  | 6.0  |
| San Juan, PR       | 189    | 131   | 70    | 74    | 99    | 21.7                         | 15.0  | 8.0   | 8.5  | 11.4 |
| TOTAL              | 12,365 | 8,803 | 7,006 | 5,340 | 4,295 | 17.9                         | 12.7  | 10.0  | 7.6  | 6.1  |

**Table 31. Primary and secondary syphilis — Women — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997**

| City               | Cases |       |       |       |       | Rates per 100,000 Population |       |      |      |      |
|--------------------|-------|-------|-------|-------|-------|------------------------------|-------|------|------|------|
|                    | 1993  | 1994  | 1995  | 1996  | 1997  | 1993                         | 1994  | 1995 | 1996 | 1997 |
| Akron, OH          | 3     | 0     | 0     | 0     | 2     | 1.1                          | 0.0   | 0.0  | 0.0  | 0.7  |
| Albuquerque, NM    | 4     | 8     | 2     | 1     | 5     | 1.5                          | 3.0   | 0.7  | 0.4  | 1.9  |
| Atlanta, GA        | 114   | 87    | 110   | 86    | 67    | 32.2                         | 24.1  | 30.0 | 22.9 | 17.9 |
| Austin, TX         | 45    | 29    | 7     | 6     | 3     | 14.3                         | 9.0   | 2.1  | 1.7  | 0.9  |
| Baltimore, MD      | 47    | 72    | 166   | 240   | 309   | 12.3                         | 19.2  | 45.0 | 66.5 | 85.7 |
| Birmingham, AL     | 133   | 106   | 109   | 81    | 43    | 38.0                         | 30.3  | 31.1 | 23.0 | 12.2 |
| Boston, MA         | 14    | 8     | 15    | 14    | 19    | 4.9                          | 2.8   | 5.2  | 4.8  | 6.6  |
| Buffalo, NY        | 16    | 4     | 1     | 1     | 1     | 9.3                          | 2.3   | 0.6  | 0.6  | 0.6  |
| Charlotte, NC      | 93    | 102   | 61    | 64    | 18    | 32.7                         | 34.9  | 20.3 | 20.7 | 5.8  |
| Chicago, IL        | 469   | 287   | 254   | 169   | 145   | 30.6                         | 18.7  | 16.6 | 11.2 | 9.6  |
| Cincinnati, OH     | 189   | 250   | 121   | 39    | 13    | 41.2                         | 54.7  | 26.6 | 8.7  | 2.9  |
| Cleveland, OH      | 282   | 215   | 128   | 61    | 27    | 37.8                         | 28.9  | 17.3 | 8.2  | 3.6  |
| Columbus, OH       | 3     | 2     | 5     | 27    | 30    | 0.6                          | 0.4   | 1.0  | 5.2  | 5.7  |
| Corpus Christi, TX | 6     | 10    | 6     | 0     | 0     | 3.8                          | 6.3   | 3.8  | 0.0  | 0.0  |
| Dallas, TX         | 198   | 130   | 135   | 113   | 66    | 20.2                         | 13.2  | 13.6 | 11.1 | 6.5  |
| Dayton, OH         | 36    | 53    | 100   | 96    | 15    | 12.0                         | 17.8  | 33.7 | 32.6 | 5.1  |
| Denver, CO         | 15    | 31    | 25    | 6     | 3     | 5.9                          | 12.2  | 9.8  | 2.3  | 1.2  |
| Des Moines, IA     | 15    | 19    | 19    | 5     | 0     | 8.4                          | 10.5  | 10.4 | 2.7  | 0.0  |
| Detroit, MI        | 140   | 72    | 54    | 40    | 46    | 25.0                         | 12.9  | 9.8  | 7.3  | 8.4  |
| El Paso, TX        | 8     | 0     | 0     | 3     | 0     | 2.4                          | 0.0   | 0.0  | 0.9  | 0.0  |
| Fort Worth, TX     | 167   | 97    | 73    | 41    | 12    | 26.8                         | 15.3  | 11.3 | 6.2  | 1.8  |
| Honolulu, HI       | 1     | 0     | 0     | 1     | 0     | 0.2                          | 0.0   | 0.0  | 0.2  | 0.0  |
| Houston, TX        | 244   | 231   | 215   | 84    | 84    | 16.1                         | 15.1  | 13.9 | 5.3  | 5.3  |
| Indianapolis, IN   | 57    | 30    | 34    | 48    | 36    | 13.3                         | 7.0   | 7.9  | 11.2 | 8.4  |
| Jacksonville, FL   | 37    | 52    | 22    | 38    | 12    | 10.3                         | 14.4  | 6.1  | 10.2 | 3.2  |
| Jersey City, NJ    | 12    | 6     | 8     | 3     | 5     | 10.7                         | 5.3   | 7.1  | 2.7  | 4.5  |
| Kansas City, MO    | 66    | 36    | 15    | 2     | 1     | 28.8                         | 15.7  | 6.5  | 0.9  | 0.4  |
| Los Angeles, CA    | 171   | 140   | 95    | 86    | 32    | 4.0                          | 3.3   | 2.2  | 2.0  | 0.7  |
| Louisville, KY     | 121   | 78    | 60    | 57    | 51    | 34.1                         | 22.0  | 16.9 | 16.1 | 14.4 |
| Memphis, TN        | 255   | 279   | 238   | 199   | 165   | 57.4                         | 62.1  | 52.6 | 43.9 | 36.4 |
| Miami, FL          | 88    | 69    | 19    | 14    | 16    | 8.4                          | 6.5   | 1.8  | 1.3  | 1.5  |
| Milwaukee, WI      | 263   | 158   | 75    | 76    | 46    | 52.9                         | 32.1  | 15.3 | 15.7 | 9.5  |
| Minneapolis, MN    | 18    | 14    | 14    | 2     | 3     | 9.2                          | 7.1   | 7.1  | 1.0  | 1.5  |
| Nashville, TN      | 64    | 49    | 43    | 97    | 97    | 23.4                         | 17.7  | 15.4 | 34.6 | 34.6 |
| New Orleans, LA    | 161   | 98    | 88    | 70    | 57    | 61.6                         | 37.8  | 34.0 | 27.4 | 22.3 |
| New York City, NY  | 466   | 247   | 180   | 61    | 37    | 12.0                         | 6.4   | 4.6  | 1.6  | 0.9  |
| Newark, NJ         | 44    | 25    | 14    | 14    | 12    | 28.6                         | 16.4  | 9.2  | 9.3  | 8.0  |
| Norfolk, VA        | 42    | 61    | 62    | 51    | 25    | 36.2                         | 53.4  | 55.0 | 45.2 | 22.2 |
| Oakland, CA        | 35    | 24    | 8     | 3     | 0     | 5.7                          | 3.9   | 1.3  | 0.5  | 0.0  |
| Oklahoma City, OK  | 88    | 51    | 49    | 51    | 31    | 39.3                         | 22.5  | 21.6 | 22.4 | 13.6 |
| Omaha, NE          | 3     | 3     | 2     | 0     | 0     | 1.4                          | 1.3   | 0.9  | 0.0  | 0.0  |
| Philadelphia, PA   | 202   | 110   | 72    | 51    | 43    | 24.5                         | 13.5  | 9.0  | 6.4  | 5.4  |
| Phoenix, AZ        | 21    | 7     | 13    | 35    | 31    | 1.8                          | 0.6   | 1.1  | 2.6  | 2.3  |
| Pittsburgh, PA     | 3     | 1     | 2     | 0     | 4     | 0.4                          | 0.1   | 0.3  | 0.0  | 0.6  |
| Portland, OR       | 6     | 9     | 1     | 3     | 1     | 2.4                          | 3.6   | 0.4  | 1.2  | 0.4  |
| Richmond, VA       | 25    | 18    | 19    | 31    | 21    | 22.7                         | 16.4  | 17.6 | 28.7 | 19.4 |
| Rochester, NY      | 35    | 25    | 10    | 6     | 1     | 27.6                         | 19.7  | 7.9  | 4.8  | 0.8  |
| Sacramento, CA     | 2     | 3     | 2     | 2     | 2     | 0.4                          | 0.5   | 0.4  | 0.4  | 0.4  |
| San Antonio, TX    | 42    | 37    | 27    | 16    | 12    | 6.5                          | 5.6   | 4.0  | 2.4  | 1.8  |
| San Diego, CA      | 43    | 32    | 20    | 11    | 5     | 3.3                          | 2.5   | 1.5  | 0.8  | 0.4  |
| San Francisco, CA  | 18    | 13    | 5     | 3     | 8     | 4.9                          | 3.5   | 1.4  | 0.8  | 2.2  |
| San Jose, CA       | 9     | 3     | 1     | 0     | 0     | 1.2                          | 0.4   | 0.1  | 0.0  | 0.0  |
| Seattle, WA        | 11    | 3     | 1     | 0     | 6     | 1.4                          | 0.4   | 0.1  | 0.0  | 0.7  |
| St Louis, MO       | 431   | 304   | 165   | 66    | 33    | 210.3                        | 151.7 | 84.5 | 34.6 | 17.3 |
| St Paul, MN        | 5     | 3     | 4     | 0     | 0     | 3.5                          | 2.1   | 2.8  | 0.0  | 0.0  |
| St Petersburg, FL  | 66    | 31    | 9     | 2     | 7     | 14.3                         | 6.7   | 1.9  | 0.4  | 1.5  |
| Tampa, FL          | 9     | 15    | 19    | 22    | 21    | 2.0                          | 3.3   | 4.2  | 4.8  | 4.6  |
| Toledo, OH         | 50    | 19    | 9     | 17    | 3     | 20.9                         | 7.9   | 3.8  | 7.2  | 1.3  |
| Tucson, AZ         | 12    | 3     | 0     | 5     | 5     | 3.3                          | 0.8   | 0.0  | 1.3  | 1.3  |
| Tulsa, OK          | 25    | 2     | 23    | 14    | 11    | 12.8                         | 1.0   | 11.8 | 7.1  | 5.6  |
| Washington, DC     | 123   | 72    | 48    | 57    | 58    | 39.9                         | 23.8  | 16.2 | 19.7 | 20.1 |
| Wichita, KS        | 4     | 6     | 8     | 6     | 3     | 1.9                          | 2.8   | 3.7  | 2.8  | 1.4  |
| Yonkers, NY        | 4     | 2     | 1     | 0     | 0     | 4.0                          | 2.0   | 1.0  | 0.0  | 0.0  |
| U.S. CITY TOTAL    | 5,379 | 3,951 | 3,091 | 2,397 | 1,809 | 15.3                         | 11.2  | 8.7  | 6.7  | 5.1  |
| San Juan, PR       | 94    | 65    | 40    | 38    | 41    | 19.6                         | 13.6  | 8.3  | 7.9  | 8.5  |
| TOTAL              | 5,473 | 4,016 | 3,131 | 2,435 | 1,850 | 15.3                         | 11.2  | 8.7  | 6.7  | 5.1  |

**Table 32. Primary and secondary syphilis — Men — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997**

| City               | Cases |       |       |       |       | Rates per 100,000 Population |       |       |      |       |
|--------------------|-------|-------|-------|-------|-------|------------------------------|-------|-------|------|-------|
|                    | 1993  | 1994  | 1995  | 1996  | 1997  | 1993                         | 1994  | 1995  | 1996 | 1997  |
| Akron, OH          | 3     | 2     | 1     | 0     | 2     | 1.2                          | 0.8   | 0.4   | 0.0  | 0.8   |
| Albuquerque, NM    | 10    | 5     | 4     | 1     | 4     | 4.0                          | 2.0   | 1.6   | 0.4  | 1.6   |
| Atlanta, GA        | 221   | 174   | 210   | 161   | 137   | 68.4                         | 52.8  | 62.8  | 46.9 | 39.9  |
| Austin, TX         | 55    | 31    | 10    | 3     | 5     | 17.4                         | 9.6   | 3.0   | 0.9  | 1.5   |
| Baltimore, MD      | 97    | 87    | 251   | 313   | 359   | 29.1                         | 26.5  | 77.9  | 99.4 | 114.1 |
| Birmingham, AL     | 162   | 154   | 155   | 121   | 64    | 52.8                         | 50.2  | 50.4  | 39.0 | 20.6  |
| Boston, MA         | 20    | 16    | 25    | 28    | 33    | 7.5                          | 6.1   | 9.3   | 10.4 | 12.2  |
| Buffalo, NY        | 17    | 4     | 1     | 5     | 1     | 10.8                         | 2.6   | 0.6   | 3.2  | 0.6   |
| Charlotte, NC      | 116   | 112   | 64    | 71    | 30    | 43.9                         | 41.3  | 22.9  | 24.6 | 10.4  |
| Chicago, IL        | 547   | 361   | 328   | 174   | 201   | 38.5                         | 25.4  | 23.1  | 12.3 | 14.2  |
| Cincinnati, OH     | 206   | 223   | 131   | 37    | 21    | 49.9                         | 54.3  | 32.0  | 9.1  | 5.2   |
| Cleveland, OH      | 235   | 196   | 135   | 69    | 34    | 35.5                         | 29.7  | 20.5  | 10.5 | 5.2   |
| Columbus, OH       | 5     | 6     | 2     | 27    | 24    | 1.0                          | 1.2   | 0.4   | 5.5  | 4.9   |
| Corpus Christi, TX | 11    | 10    | 2     | 0     | 2     | 7.4                          | 6.6   | 1.3   | 0.0  | 1.3   |
| Dallas, TX         | 212   | 162   | 133   | 123   | 82    | 22.3                         | 16.9  | 13.8  | 12.5 | 8.3   |
| Dayton, OH         | 40    | 74    | 144   | 105   | 13    | 14.5                         | 27.0  | 52.6  | 38.6 | 4.8   |
| Denver, CO         | 29    | 52    | 43    | 5     | 5     | 12.1                         | 21.7  | 17.9  | 2.1  | 2.1   |
| Des Moines, IA     | 18    | 18    | 8     | 1     | 0     | 11.0                         | 10.9  | 4.8   | 0.6  | 0.0   |
| Detroit, MI        | 137   | 81    | 76    | 52    | 55    | 27.2                         | 16.2  | 15.2  | 10.5 | 11.1  |
| El Paso, TX        | 9     | 5     | 2     | 7     | 3     | 2.9                          | 1.6   | 0.6   | 2.1  | 0.9   |
| Fort Worth, TX     | 184   | 93    | 67    | 54    | 27    | 30.2                         | 14.9  | 10.6  | 8.4  | 4.2   |
| Honolulu, HI       | 5     | 4     | 0     | 2     | 1     | 1.1                          | 0.9   | 0.0   | 0.5  | 0.2   |
| Houston, TX        | 327   | 212   | 202   | 67    | 96    | 21.9                         | 14.0  | 13.2  | 4.3  | 6.2   |
| Indianapolis, IN   | 63    | 32    | 40    | 37    | 35    | 16.3                         | 8.2   | 10.3  | 9.5  | 9.0   |
| Jacksonville, FL   | 36    | 56    | 28    | 37    | 24    | 10.5                         | 16.3  | 8.2   | 10.6 | 6.9   |
| Jersey City, NJ    | 10    | 8     | 19    | 7     | 4     | 9.5                          | 7.6   | 18.1  | 6.6  | 3.8   |
| Kansas City, MO    | 96    | 37    | 9     | 5     | 1     | 46.1                         | 17.7  | 4.3   | 2.3  | 0.5   |
| Los Angeles, CA    | 360   | 206   | 176   | 127   | 76    | 8.5                          | 4.8   | 4.1   | 3.0  | 1.8   |
| Louisville, KY     | 154   | 69    | 68    | 47    | 56    | 48.6                         | 21.7  | 21.4  | 14.8 | 17.6  |
| Memphis, TN        | 294   | 254   | 239   | 198   | 178   | 72.8                         | 62.2  | 58.0  | 47.8 | 43.0  |
| Miami, FL          | 178   | 106   | 32    | 24    | 33    | 18.6                         | 10.9  | 3.3   | 2.4  | 3.3   |
| Milwaukee, WI      | 197   | 121   | 75    | 82    | 38    | 43.8                         | 27.2  | 17.0  | 18.7 | 8.7   |
| Minneapolis, MN    | 25    | 24    | 10    | 2     | 9     | 13.5                         | 12.9  | 5.4   | 1.1  | 4.8   |
| Nashville, TN      | 85    | 51    | 54    | 96    | 106   | 34.3                         | 20.4  | 21.4  | 37.7 | 41.6  |
| New Orleans, LA    | 236   | 105   | 133   | 99    | 75    | 104.4                        | 46.8  | 59.5  | 44.8 | 33.9  |
| New York City, NY  | 666   | 382   | 184   | 77    | 60    | 19.3                         | 11.1  | 5.3   | 2.2  | 1.7   |
| Newark, NJ         | 56    | 35    | 29    | 11    | 14    | 40.6                         | 25.5  | 21.3  | 8.1  | 10.3  |
| Norfolk, VA        | 47    | 61    | 68    | 41    | 19    | 36.1                         | 47.9  | 54.5  | 34.0 | 15.8  |
| Oakland, CA        | 41    | 27    | 8     | 7     | 7     | 6.9                          | 4.6   | 1.3   | 1.2  | 1.2   |
| Oklahoma City, OK  | 89    | 64    | 57    | 63    | 42    | 42.8                         | 30.5  | 27.1  | 29.6 | 19.7  |
| Omaha, NE          | 5     | 2     | 5     | 0     | 1     | 2.4                          | 1.0   | 2.4   | 0.0  | 0.5   |
| Philadelphia, PA   | 313   | 188   | 127   | 90    | 65    | 43.7                         | 26.5  | 18.2  | 13.1 | 9.5   |
| Phoenix, AZ        | 34    | 21    | 30    | 54    | 87    | 3.0                          | 1.8   | 2.5   | 4.2  | 6.7   |
| Pittsburgh, PA     | 8     | 8     | 2     | 2     | 1     | 1.3                          | 1.3   | 0.3   | 0.3  | 0.2   |
| Portland, OR       | 18    | 9     | 3     | 4     | 2     | 7.7                          | 3.8   | 1.3   | 1.7  | 0.8   |
| Richmond, VA       | 30    | 21    | 18    | 35    | 28    | 32.6                         | 22.9  | 20.0  | 38.8 | 31.1  |
| Rochester, NY      | 36    | 34    | 8     | 7     | 1     | 30.6                         | 28.9  | 6.8   | 6.0  | 0.9   |
| Sacramento, CA     | 6     | 6     | 3     | 4     | 2     | 1.1                          | 1.1   | 0.6   | 0.7  | 0.4   |
| San Antonio, TX    | 39    | 25    | 23    | 9     | 15    | 6.4                          | 4.0   | 3.7   | 1.4  | 2.3   |
| San Diego, CA      | 63    | 66    | 33    | 25    | 18    | 4.7                          | 4.9   | 2.5   | 1.9  | 1.4   |
| San Francisco, CA  | 51    | 32    | 27    | 30    | 44    | 14.0                         | 8.8   | 7.4   | 8.2  | 12.1  |
| San Jose, CA       | 18    | 1     | 1     | 3     | 5     | 2.3                          | 0.1   | 0.1   | 0.4  | 0.6   |
| Seattle, WA        | 11    | 8     | 4     | 1     | 5     | 1.4                          | 1.0   | 0.5   | 0.1  | 0.6   |
| St Louis, MO       | 477   | 347   | 196   | 76    | 27    | 278.3                        | 206.8 | 119.9 | 47.3 | 16.8  |
| St Paul, MN        | 5     | 4     | 3     | 3     | 0     | 3.8                          | 3.0   | 2.3   | 2.3  | 0.0   |
| St Petersburg, FL  | 88    | 43    | 11    | 6     | 4     | 21.8                         | 10.6  | 2.7   | 1.5  | 1.0   |
| Tampa, FL          | 16    | 16    | 14    | 22    | 13    | 3.8                          | 3.8   | 3.2   | 5.0  | 3.0   |
| Toledo, OH         | 47    | 16    | 13    | 13    | 3     | 21.5                         | 7.3   | 6.0   | 6.0  | 1.4   |
| Tucson, AZ         | 20    | 9     | 1     | 5     | 7     | 5.8                          | 2.5   | 0.3   | 1.3  | 1.9   |
| Tulsa, OK          | 36    | 7     | 25    | 26    | 10    | 19.8                         | 3.8   | 13.7  | 14.0 | 5.4   |
| Washington, DC     | 168   | 98    | 64    | 59    | 59    | 62.2                         | 37.0  | 24.8  | 23.2 | 23.2  |
| Wichita, KS        | 2     | 4     | 8     | 9     | 11    | 1.0                          | 1.9   | 3.9   | 4.3  | 5.3   |
| Yonkers, NY        | 7     | 3     | 1     | 0     | 2     | 7.7                          | 3.3   | 1.1   | 0.0  | 2.2   |
| U.S. CITY TOTAL    | 6,797 | 4,688 | 3,843 | 2,869 | 2,386 | 20.5                         | 14.1  | 11.5  | 8.5  | 7.1   |
| San Juan, PR       | 95    | 66    | 30    | 36    | 58    | 24.2                         | 16.8  | 7.6   | 9.2  | 14.8  |
| TOTAL              | 6,892 | 4,754 | 3,873 | 2,905 | 2,444 | 20.6                         | 14.1  | 11.5  | 8.5  | 7.2   |

**Table 33. Primary and secondary syphilis — Counties and independent cities\* ranked by number of reported cases: United States, 1997**

| <i>Rank</i> | <i>County/Independent City</i> | <i>Cases</i> | <i>Rate per 100,000 Population</i> | <i>Cumulative Percent</i> |
|-------------|--------------------------------|--------------|------------------------------------|---------------------------|
| 1           | Baltimore (city), MD           | 665          | 98.5                               | 8                         |
| 2           | Cook Co, IL (includes Chicago) | 379          | 7.4                                | 12                        |
| 3           | Shelby County, TN              | 343          | 39.5                               | 17                        |
| 4           | Davidson County, TN            | 203          | 37.9                               | 19                        |
| 5           | Fulton County, GA              | 190          | 26.5                               | 21                        |
| 6           | Harris County, TX              | 180          | 5.8                                | 23                        |
| 7           | Guilford County, NC            | 149          | 39.3                               | 25                        |
| 8           | Dallas County, TX              | 148          | 7.4                                | 27                        |
| 9           | Los Angeles County, CA         | 134          | 1.5                                | 28                        |
| 10          | Orleans County, LA             | 132          | 27.7                               | 30                        |
| 11          | Maricopa County, AZ            | 118          | 4.5                                | 31                        |
| 12          | Washington, DC                 | 117          | 21.5                               | 33                        |
| 13          | Philadelphia County, PA        | 109          | 7.4                                | 34                        |
| 14          | Jefferson County, AL           | 107          | 16.2                               | 35                        |
| 15          | Jefferson County, KY           | 107          | 15.9                               | 37                        |
| 16          | Wayne County, MI               | 101          | 5.0                                | 38                        |
| 17          | Milwaukee County, WI           | 92           | 10.0                               | 39                        |
| 18          | Prince Georges County, MD      | 86           | 11.1                               | 40                        |
| 19          | Forsyth County, NC             | 79           | 27.8                               | 41                        |
| 20          | Oklahoma County, OK            | 73           | 11.6                               | 42                        |
| 21          | Cuyahoga County, OH            | 71           | 5.1                                | 43                        |
| 22          | Baltimore County, MD           | 65           | 9.1                                | 43                        |
| 23          | Fresno County, CA              | 64           | 8.5                                | 44                        |
| 24          | Marion County, IN              | 64           | 7.8                                | 45                        |
| 25          | Tuscaloosa County, AL          | 63           | 39.7                               | 46                        |
| 26          | Hinds County, MS               | 61           | 24.4                               | 46                        |
| 27          | St. Louis (city), MO           | 60           | 17.1                               | 47                        |
| 28          | Franklin County, OH            | 54           | 5.3                                | 48                        |
| 29          | DeKalb County, GA              | 52           | 8.8                                | 48                        |
| 30          | Cumberland County, NC          | 52           | 18.3                               | 49                        |
| 31          | Dade County, FL                | 50           | 2.4                                | 50                        |

\*Accounting for 50% of reported primary and secondary syphilis cases.

**Table 34. Early latent syphilis — Reported cases and rates by state/area: United States and outlying areas, 1993–1997**

| State/Area              | Cases  |        |        |        |        | Rates per 100,000 Population |      |      |      |      |
|-------------------------|--------|--------|--------|--------|--------|------------------------------|------|------|------|------|
|                         | 1993   | 1994   | 1995   | 1996   | 1997   | 1993                         | 1994 | 1995 | 1996 | 1997 |
| Alabama                 | 978    | 799    | 676    | 801    | 623    | 23.4                         | 18.9 | 15.9 | 18.7 | 14.6 |
| Alaska                  | 1      | 1      | 3      | 0      | 0      | 0.2                          | 0.2  | 0.5  | 0.0  | 0.0  |
| Arizona                 | 116    | 97     | 113    | 129    | 201    | 2.9                          | 2.4  | 2.7  | 2.9  | 4.5  |
| Arkansas                | 879    | 656    | 529    | 446    | 237    | 36.2                         | 26.7 | 21.3 | 17.8 | 9.4  |
| California              | 2,571  | 1,825  | 1,424  | 1,148  | 960    | 8.2                          | 5.8  | 4.5  | 3.6  | 3.0  |
| Colorado                | 70     | 51     | 68     | 21     | 13     | 2.0                          | 1.4  | 1.8  | 0.5  | 0.3  |
| Connecticut             | 188    | 104    | 92     | 104    | 87     | 5.7                          | 3.2  | 2.8  | 3.2  | 2.7  |
| Delaware                | 115    | 59     | 57     | 40     | 37     | 16.4                         | 8.3  | 7.9  | 5.5  | 5.1  |
| Florida                 | 3,544  | 2,320  | 1,484  | 1,323  | 1,179  | 25.8                         | 16.6 | 10.5 | 9.2  | 8.2  |
| Georgia                 | 2,208  | 1,639  | 1,616  | 1,304  | 1,085  | 32.0                         | 23.2 | 22.4 | 17.7 | 14.8 |
| Hawaii                  | 7      | 5      | 0      | 2      | 0      | 0.6                          | 0.4  | 0.0  | 0.2  | 0.0  |
| Idaho                   | 1      | 0      | 1      | 5      | 5      | 0.1                          | 0.0  | 0.1  | 0.4  | 0.4  |
| Illinois                | 2,316  | 1,685  | 1,774  | 917    | 1,032  | 19.8                         | 14.3 | 15.0 | 7.7  | 8.7  |
| Indiana                 | 464    | 338    | 377    | 265    | 169    | 8.1                          | 5.9  | 6.5  | 4.5  | 2.9  |
| Iowa                    | 82     | 90     | 77     | 38     | 27     | 2.9                          | 3.2  | 2.7  | 1.3  | 0.9  |
| Kansas                  | 75     | 48     | 40     | 46     | 50     | 3.0                          | 1.9  | 1.6  | 1.8  | 1.9  |
| Kentucky                | 156    | 179    | 166    | 126    | 122    | 4.1                          | 4.7  | 4.3  | 3.2  | 3.1  |
| Louisiana               | 2,787  | 2,314  | 1,598  | 959    | 550    | 65.0                         | 53.6 | 36.8 | 22.0 | 12.6 |
| Maine                   | 3      | 5      | 0      | 2      | 2      | 0.2                          | 0.4  | 0.0  | 0.2  | 0.2  |
| Maryland                | 634    | 651    | 703    | 1,152  | 1,218  | 12.8                         | 13.0 | 13.9 | 22.7 | 24.0 |
| Massachusetts           | 329    | 200    | 154    | 178    | 127    | 5.5                          | 3.3  | 2.5  | 2.9  | 2.1  |
| Michigan                | 977    | 589    | 567    | 413    | 354    | 10.3                         | 6.2  | 5.9  | 4.3  | 3.7  |
| Minnesota               | 96     | 81     | 55     | 29     | 21     | 2.1                          | 1.8  | 1.2  | 0.6  | 0.5  |
| Mississippi             | 2,058  | 2,160  | 2,389  | 1,483  | 962    | 77.9                         | 80.9 | 88.6 | 54.6 | 35.4 |
| Missouri                | 791    | 707    | 506    | 259    | 202    | 15.1                         | 13.4 | 9.5  | 4.8  | 3.8  |
| Montana                 | 3      | 5      | 9      | 4      | 4      | 0.4                          | 0.6  | 1.0  | 0.5  | 0.5  |
| Nebraska                | 8      | 13     | 3      | 5      | 3      | 0.5                          | 0.8  | 0.2  | 0.3  | 0.2  |
| Nevada                  | 64     | 75     | 68     | 32     | 21     | 4.6                          | 5.1  | 4.4  | 2.0  | 1.3  |
| New Hampshire           | 17     | 4      | 3      | 3      | 0      | 1.5                          | 0.4  | 0.3  | 0.3  | 0.0  |
| New Jersey              | 579    | 357    | 294    | 303    | 237    | 7.4                          | 4.5  | 3.7  | 3.8  | 3.0  |
| New Mexico              | 32     | 17     | 25     | 5      | 8      | 2.0                          | 1.0  | 1.5  | 0.3  | 0.5  |
| New York                | 4,278  | 2,682  | 2,100  | 1,203  | 763    | 23.6                         | 14.8 | 11.6 | 6.6  | 4.2  |
| North Carolina          | 1,678  | 1,488  | 1,231  | 1,071  | 879    | 24.1                         | 21.1 | 17.1 | 14.6 | 12.0 |
| North Dakota            | 3      | 1      | 0      | 0      | 0      | 0.5                          | 0.2  | 0.0  | 0.0  | 0.0  |
| Ohio                    | 1,462  | 1,105  | 723    | 508    | 331    | 13.2                         | 10.0 | 6.5  | 4.5  | 3.0  |
| Oklahoma                | 343    | 230    | 280    | 216    | 179    | 10.6                         | 7.1  | 8.5  | 6.5  | 5.4  |
| Oregon                  | 32     | 21     | 17     | 9      | 14     | 1.1                          | 0.7  | 0.5  | 0.3  | 0.4  |
| Pennsylvania            | 3,072  | 1,897  | 1,212  | 883    | 668    | 25.5                         | 15.7 | 10.0 | 7.3  | 5.5  |
| Rhode Island            | 16     | 11     | 14     | 8      | 7      | 1.6                          | 1.1  | 1.4  | 0.8  | 0.7  |
| South Carolina          | 1,019  | 793    | 791    | 581    | 481    | 28.1                         | 21.6 | 21.5 | 15.7 | 13.0 |
| South Dakota            | 1      | 0      | 1      | 0      | 2      | 0.1                          | 0.0  | 0.1  | 0.0  | 0.3  |
| Tennessee               | 1,416  | 1,289  | 1,129  | 957    | 984    | 27.8                         | 24.9 | 21.5 | 18.0 | 18.5 |
| Texas                   | 4,388  | 3,869  | 3,015  | 2,167  | 1,863  | 24.3                         | 21.1 | 16.1 | 11.3 | 9.7  |
| Utah                    | 10     | 3      | 7      | 8      | 2      | 0.5                          | 0.2  | 0.4  | 0.4  | 0.1  |
| Vermont                 | 0      | 0      | 0      | 0      | 0      | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Virginia                | 625    | 613    | 546    | 406    | 377    | 9.7                          | 9.4  | 8.2  | 6.1  | 5.6  |
| Washington              | 46     | 35     | 12     | 5      | 13     | 0.9                          | 0.7  | 0.2  | 0.1  | 0.2  |
| West Virginia           | 17     | 17     | 11     | 8      | 1      | 0.9                          | 0.9  | 0.6  | 0.4  | 0.1  |
| Wisconsin               | 509    | 382    | 299    | 243    | 169    | 10.1                         | 7.5  | 5.8  | 4.7  | 3.3  |
| Wyoming                 | 1      | 0      | 0      | 0      | 0      | 0.2                          | 0.0  | 0.0  | 0.0  | 0.0  |
| U.S. TOTAL <sup>1</sup> | 41,902 | 32,012 | 26,655 | 20,186 | 16,617 | 16.3                         | 12.3 | 10.1 | 7.6  | 6.3  |
| Guam                    | 2      | 1      | 0      | 0      | 0      | 1.4                          | 0.7  | 0.0  | 0.0  | 0.0  |
| Puerto Rico             | 1,174  | 934    | 738    | 631    | 679    | 32.4                         | 25.3 | 19.8 | 17.0 | 18.3 |
| Virgin Islands          | 26     | 23     | 17     | 6      | 8      | 23.5                         | 20.8 | 15.3 | 5.4  | 7.2  |
| OUTLYING AREAS          | 1,202  | 958    | 755    | 637    | 687    | 31.0                         | 24.3 | 19.0 | 16.0 | 17.3 |
| TOTAL                   | 43,104 | 32,970 | 27,410 | 20,823 | 17,304 | 16.5                         | 12.5 | 10.3 | 7.7  | 6.4  |

<sup>1</sup>Includes cases reported by Washington, D.C.

**Table 35. Early latent syphilis — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997**

| City               | Cases  |        |        |        |       | Rates per 100,000 Population |       |      |       |       |
|--------------------|--------|--------|--------|--------|-------|------------------------------|-------|------|-------|-------|
|                    | 1993   | 1994   | 1995   | 1996   | 1997  | 1993                         | 1994  | 1995 | 1996  | 1997  |
| Akron, OH          | 5      | 5      | 6      | 4      | 0     | 1.0                          | 0.9   | 1.1  | 0.8   | 0.0   |
| Albuquerque, NM    | 10     | 5      | 9      | 0      | 6     | 2.0                          | 1.0   | 1.7  | 0.0   | 1.1   |
| Atlanta, GA        | 714    | 515    | 531    | 383    | 367   | 105.5                        | 74.6  | 75.8 | 53.3  | 51.1  |
| Austin, TX         | 119    | 149    | 79     | 49     | 33    | 18.9                         | 23.0  | 11.9 | 7.2   | 4.8   |
| Baltimore, MD      | 204    | 371    | 466    | 896    | 975   | 28.5                         | 52.8  | 67.4 | 132.7 | 144.4 |
| Birmingham, AL     | 337    | 264    | 289    | 341    | 225   | 51.3                         | 40.2  | 43.9 | 51.5  | 34.0  |
| Boston, MA         | 111    | 94     | 65     | 83     | 62    | 20.1                         | 17.1  | 11.7 | 14.8  | 11.1  |
| Buffalo, NY        | 38     | 19     | 6      | 6      | 5     | 11.5                         | 5.8   | 1.8  | 1.9   | 1.5   |
| Charlotte, NC      | 245    | 243    | 180    | 144    | 86    | 44.7                         | 43.1  | 31.1 | 24.1  | 14.4  |
| Chicago, IL        | 1,888  | 1,307  | 1,400  | 745    | 918   | 64.0                         | 44.3  | 47.5 | 25.5  | 31.4  |
| Cincinnati, OH     | 216    | 260    | 115    | 43     | 26    | 24.8                         | 30.0  | 13.3 | 5.0   | 3.0   |
| Cleveland, OH      | 922    | 599    | 361    | 202    | 164   | 65.5                         | 42.7  | 25.8 | 14.4  | 11.7  |
| Columbus, OH       | 34     | 18     | 11     | 32     | 34    | 3.4                          | 1.8   | 1.1  | 3.2   | 3.4   |
| Corpus Christi, TX | 24     | 45     | 29     | 10     | 6     | 7.9                          | 14.5  | 9.3  | 3.2   | 1.9   |
| Dallas, TX         | 545    | 520    | 410    | 335    | 306   | 28.3                         | 26.8  | 20.9 | 16.7  | 15.3  |
| Dayton, OH         | 43     | 42     | 98     | 93     | 28    | 7.5                          | 7.3   | 17.2 | 16.4  | 4.9   |
| Denver, CO         | 36     | 34     | 46     | 7      | 7     | 7.3                          | 6.9   | 9.3  | 1.4   | 1.4   |
| Des Moines, IA     | 39     | 60     | 54     | 23     | 19    | 11.4                         | 17.3  | 15.4 | 6.5   | 5.4   |
| Detroit, MI        | 608    | 388    | 364    | 271    | 274   | 57.1                         | 36.7  | 34.6 | 25.9  | 26.2  |
| El Paso, TX        | 37     | 42     | 21     | 44     | 34    | 5.7                          | 6.3   | 3.1  | 6.4   | 5.0   |
| Fort Worth, TX     | 302    | 283    | 280    | 216    | 192   | 24.5                         | 22.5  | 21.9 | 16.5  | 14.7  |
| Honolulu, HI       | 7      | 5      | 0      | 0      | 0     | 0.8                          | 0.6   | 0.0  | 0.0   | 0.0   |
| Houston, TX        | 1,622  | 1,157  | 892    | 703    | 528   | 54.0                         | 38.0  | 29.0 | 22.5  | 16.9  |
| Indianapolis, IN   | 128    | 69     | 55     | 56     | 33    | 15.7                         | 8.4   | 6.7  | 6.8   | 4.0   |
| Jacksonville, FL   | 117    | 128    | 111    | 104    | 81    | 16.7                         | 18.2  | 15.8 | 14.4  | 11.2  |
| Jersey City, NJ    | 53     | 36     | 30     | 17     | 11    | 24.3                         | 16.5  | 13.8 | 7.8   | 5.1   |
| Kansas City, MO    | 93     | 78     | 29     | 13     | 9     | 21.3                         | 17.8  | 6.6  | 2.9   | 2.0   |
| Los Angeles, CA    | 1,755  | 1,139  | 952    | 718    | 649   | 20.5                         | 13.3  | 11.1 | 8.4   | 7.6   |
| Louisville, KY     | 98     | 109    | 81     | 71     | 66    | 14.6                         | 16.2  | 12.0 | 10.5  | 9.8   |
| Memphis, TN        | 852    | 717    | 652    | 548    | 591   | 100.4                        | 83.6  | 75.4 | 63.2  | 68.1  |
| Miami, FL          | 1,022  | 686    | 499    | 437    | 427   | 51.0                         | 33.9  | 24.6 | 21.0  | 20.6  |
| Milwaukee, WI      | 446    | 310    | 229    | 183    | 140   | 47.1                         | 33.0  | 24.6 | 19.8  | 15.2  |
| Minneapolis, MN    | 56     | 49     | 24     | 16     | 14    | 14.7                         | 12.8  | 6.3  | 4.2   | 3.6   |
| Nashville, TN      | 153    | 79     | 97     | 99     | 173   | 29.3                         | 15.0  | 18.3 | 18.5  | 32.3  |
| New Orleans, LA    | 354    | 311    | 215    | 153    | 119   | 72.6                         | 64.2  | 44.6 | 32.1  | 25.0  |
| New York City, NY  | 3,769  | 2,364  | 1,945  | 1,077  | 670   | 51.4                         | 32.2  | 26.6 | 14.6  | 9.1   |
| Newark, NJ         | 170    | 56     | 77     | 55     | 42    | 58.2                         | 19.3  | 26.8 | 19.2  | 14.7  |
| Norfolk, VA        | 98     | 82     | 110    | 101    | 85    | 39.8                         | 34.0  | 46.3 | 43.3  | 36.4  |
| Oakland, CA        | 129    | 115    | 55     | 25     | 33    | 10.7                         | 9.5   | 4.5  | 2.1   | 2.7   |
| Oklahoma City, OK  | 177    | 142    | 140    | 89     | 100   | 41.0                         | 32.6  | 32.0 | 20.2  | 22.7  |
| Omaha, NE          | 4      | 9      | 3      | 0      | 2     | 0.9                          | 2.1   | 0.7  | 0.0   | 0.5   |
| Philadelphia, PA   | 2,829  | 1,708  | 1,100  | 839    | 648   | 183.8                        | 112.1 | 73.4 | 56.8  | 43.8  |
| Phoenix, AZ        | 81     | 63     | 79     | 108    | 189   | 3.6                          | 2.7   | 3.2  | 4.1   | 7.2   |
| Pittsburgh, PA     | 20     | 10     | 13     | 3      | 2     | 1.5                          | 0.8   | 1.0  | 0.2   | 0.2   |
| Portland, OR       | 15     | 11     | 11     | 6      | 8     | 3.1                          | 2.3   | 2.3  | 1.2   | 1.6   |
| Richmond, VA       | 87     | 60     | 70     | 78     | 59    | 43.1                         | 29.8  | 35.3 | 39.3  | 29.8  |
| Rochester, NY      | 75     | 59     | 23     | 23     | 9     | 30.7                         | 24.2  | 9.5  | 9.5   | 3.7   |
| Sacramento, CA     | 55     | 33     | 21     | 15     | 10    | 5.0                          | 3.0   | 1.9  | 1.3   | 0.9   |
| San Antonio, TX    | 245    | 240    | 161    | 115    | 96    | 19.5                         | 18.7  | 12.4 | 8.7   | 7.3   |
| San Diego, CA      | 94     | 98     | 60     | 43     | 17    | 3.6                          | 3.7   | 2.3  | 1.6   | 0.6   |
| San Francisco, CA  | 29     | 21     | 14     | 11     | 16    | 4.0                          | 2.9   | 1.9  | 1.5   | 2.2   |
| San Jose, CA       | 29     | 5      | 4      | 6      | 4     | 1.9                          | 0.3   | 0.3  | 0.4   | 0.3   |
| Seattle, WA        | 15     | 7      | 1      | 0      | 5     | 1.0                          | 0.4   | 0.1  | 0.0   | 0.3   |
| St Louis, MO       | 424    | 391    | 289    | 136    | 82    | 112.7                        | 106.2 | 80.6 | 38.7  | 23.3  |
| St Paul, MN        | 13     | 14     | 9      | 2      | 1     | 4.7                          | 5.1   | 3.3  | 0.7   | 0.4   |
| St Petersburg, FL  | 161    | 140    | 83     | 35     | 28    | 18.6                         | 16.1  | 9.5  | 4.0   | 3.2   |
| Tampa, FL          | 201    | 100    | 79     | 139    | 83    | 23.2                         | 11.4  | 8.9  | 15.5  | 9.2   |
| Toledo, OH         | 97     | 28     | 27     | 23     | 6     | 21.1                         | 6.1   | 5.9  | 5.1   | 1.3   |
| Tucson, AZ         | 16     | 22     | 29     | 14     | 6     | 2.3                          | 3.0   | 3.9  | 1.8   | 0.8   |
| Tulsa, OK          | 77     | 27     | 44     | 48     | 23    | 20.5                         | 7.1   | 11.6 | 12.5  | 6.0   |
| Washington, DC     | 837    | 502    | 396    | 371    | 348   | 144.8                        | 88.5  | 71.4 | 68.3  | 64.1  |
| Wichita, KS        | 15     | 8      | 12     | 30     | 38    | 3.6                          | 1.9   | 2.9  | 7.1   | 9.0   |
| Yonkers, NY        | 31     | 26     | 16     | 12     | 5     | 16.3                         | 13.6  | 8.4  | 6.2   | 2.6   |
| U.S. CITY TOTAL    | 23,026 | 16,477 | 13,557 | 10,449 | 9,223 | 33.7                         | 24.0  | 19.7 | 15.0  | 13.3  |
| San Juan, PR       | 558    | 406    | 313    | 308    | 305   | 64.0                         | 46.6  | 35.9 | 35.3  | 35.0  |
| TOTAL              | 23,584 | 16,883 | 13,870 | 10,757 | 9,528 | 34.1                         | 24.3  | 19.9 | 15.3  | 13.6  |

**Table 36. Late and late latent syphilis — Reported cases and rates by state/area: United States and outlying areas, 1993–1997**

| State/Area              | Cases  |        |        |        |        | Rates per 100,000 Population |      |      |      |      |
|-------------------------|--------|--------|--------|--------|--------|------------------------------|------|------|------|------|
|                         | 1993   | 1994   | 1995   | 1996   | 1997   | 1993                         | 1994 | 1995 | 1996 | 1997 |
| Alabama                 | 460    | 453    | 334    | 538    | 419    | 11.0                         | 10.7 | 7.9  | 12.6 | 9.8  |
| Alaska                  | 39     | 18     | 15     | 15     | 11     | 6.5                          | 3.0  | 2.5  | 2.5  | 1.8  |
| Arizona                 | 330    | 256    | 248    | 231    | 255    | 8.4                          | 6.3  | 5.9  | 5.2  | 5.8  |
| Arkansas                | 154    | 197    | 217    | 103    | 121    | 6.3                          | 8.0  | 8.7  | 4.1  | 4.8  |
| California              | 5,544  | 4,493  | 3,394  | 2,567  | 2,314  | 17.8                         | 14.3 | 10.7 | 8.1  | 7.3  |
| Colorado                | 119    | 115    | 134    | 112    | 126    | 3.3                          | 3.1  | 3.6  | 2.9  | 3.3  |
| Connecticut             | 206    | 122    | 86     | 125    | 169    | 6.3                          | 3.7  | 2.6  | 3.8  | 5.2  |
| Delaware                | 62     | 47     | 52     | 49     | 52     | 8.9                          | 6.6  | 7.3  | 6.8  | 7.2  |
| Florida                 | 2,447  | 1,909  | 1,489  | 1,128  | 1,198  | 17.8                         | 13.7 | 10.5 | 7.8  | 8.3  |
| Georgia                 | 738    | 683    | 1,104  | 931    | 1,218  | 10.7                         | 9.7  | 15.3 | 12.7 | 16.6 |
| Hawaii                  | 27     | 32     | 25     | 25     | 43     | 2.3                          | 2.7  | 2.1  | 2.1  | 3.6  |
| Idaho                   | 12     | 8      | 11     | 14     | 18     | 1.1                          | 0.7  | 0.9  | 1.2  | 1.5  |
| Illinois                | 708    | 835    | 728    | 549    | 414    | 6.1                          | 7.1  | 6.2  | 4.6  | 3.5  |
| Indiana                 | 192    | 209    | 172    | 197    | 199    | 3.4                          | 3.6  | 3.0  | 3.4  | 3.4  |
| Iowa                    | 28     | 64     | 45     | 25     | 38     | 1.0                          | 2.3  | 1.6  | 0.9  | 1.3  |
| Kansas                  | 85     | 64     | 62     | 62     | 64     | 3.4                          | 2.5  | 2.4  | 2.4  | 2.5  |
| Kentucky                | 155    | 134    | 143    | 113    | 141    | 4.1                          | 3.5  | 3.7  | 2.9  | 3.6  |
| Louisiana               | 1,311  | 1,409  | 1,034  | 902    | 872    | 30.6                         | 32.7 | 23.8 | 20.7 | 20.0 |
| Maine                   | 18     | 0      | 2      | 1      | 9      | 1.5                          | 0.0  | 0.2  | 0.1  | 0.7  |
| Maryland                | 842    | 553    | 394    | 317    | 288    | 17.0                         | 11.1 | 7.8  | 6.3  | 5.7  |
| Massachusetts           | 478    | 326    | 283    | 364    | 524    | 7.9                          | 5.4  | 4.7  | 6.0  | 8.6  |
| Michigan                | 348    | 325    | 304    | 233    | 252    | 3.7                          | 3.4  | 3.2  | 2.4  | 2.6  |
| Minnesota               | 90     | 62     | 85     | 69     | 87     | 2.0                          | 1.4  | 1.8  | 1.5  | 1.9  |
| Mississippi             | 380    | 247    | 126    | 10     | 47     | 14.4                         | 9.3  | 4.7  | 0.4  | 1.7  |
| Missouri                | 258    | 219    | 135    | 123    | 168    | 4.9                          | 4.1  | 2.5  | 2.3  | 3.1  |
| Montana                 | 0      | 1      | 0      | 0      | 1      | 0.0                          | 0.1  | 0.0  | 0.0  | 0.1  |
| Nebraska                | 12     | 23     | 18     | 16     | 24     | 0.7                          | 1.4  | 1.1  | 1.0  | 1.5  |
| Nevada                  | 52     | 62     | 89     | 89     | 71     | 3.8                          | 4.3  | 5.8  | 5.6  | 4.4  |
| New Hampshire           | 7      | 10     | 29     | 25     | 23     | 0.6                          | 0.9  | 2.5  | 2.2  | 2.0  |
| New Jersey              | 1,482  | 1,411  | 893    | 888    | 657    | 18.9                         | 17.9 | 11.2 | 11.1 | 8.2  |
| New Mexico              | 106    | 143    | 100    | 70     | 86     | 6.6                          | 8.6  | 5.9  | 4.1  | 5.0  |
| New York                | 6,077  | 5,503  | 6,005  | 4,957  | 4,639  | 33.5                         | 30.3 | 33.1 | 27.3 | 25.5 |
| North Carolina          | 779    | 819    | 670    | 516    | 584    | 11.2                         | 11.6 | 9.3  | 7.0  | 8.0  |
| North Dakota            | 0      | 0      | 0      | 0      | 0      | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Ohio                    | 176    | 377    | 281    | 217    | 202    | 1.6                          | 3.4  | 2.5  | 1.9  | 1.8  |
| Oklahoma                | 85     | 95     | 95     | 62     | 100    | 2.6                          | 2.9  | 2.9  | 1.9  | 3.0  |
| Oregon                  | 104    | 57     | 45     | 52     | 23     | 3.4                          | 1.8  | 1.4  | 1.6  | 0.7  |
| Pennsylvania            | 326    | 322    | 420    | 335    | 354    | 2.7                          | 2.7  | 3.5  | 2.8  | 2.9  |
| Rhode Island            | 113    | 112    | 72     | 60     | 75     | 11.3                         | 11.2 | 7.3  | 6.1  | 7.6  |
| South Carolina          | 316    | 252    | 266    | 259    | 261    | 8.7                          | 6.9  | 7.2  | 7.0  | 7.1  |
| South Dakota            | 0      | 6      | 6      | 2      | 4      | 0.0                          | 0.8  | 0.8  | 0.3  | 0.5  |
| Tennessee               | 617    | 588    | 540    | 480    | 605    | 12.1                         | 11.4 | 10.3 | 9.0  | 11.4 |
| Texas                   | 2,740  | 3,022  | 3,152  | 2,674  | 2,694  | 15.2                         | 16.4 | 16.8 | 14.0 | 14.1 |
| Utah                    | 48     | 36     | 39     | 38     | 49     | 2.6                          | 1.9  | 2.0  | 1.9  | 2.4  |
| Vermont                 | 0      | 1      | 0      | 0      | 1      | 0.0                          | 0.2  | 0.0  | 0.0  | 0.2  |
| Virginia                | 662    | 492    | 419    | 450    | 484    | 10.2                         | 7.5  | 6.3  | 6.7  | 7.3  |
| Washington              | 243    | 207    | 181    | 114    | 101    | 4.6                          | 3.9  | 3.3  | 2.1  | 1.8  |
| West Virginia           | 164    | 152    | 38     | 44     | 17     | 9.0                          | 8.3  | 2.1  | 2.4  | 0.9  |
| Wisconsin               | 81     | 99     | 90     | 74     | 50     | 1.6                          | 1.9  | 1.8  | 1.4  | 1.0  |
| Wyoming                 | 4      | 3      | 1      | 6      | 1      | 0.9                          | 0.6  | 0.2  | 1.2  | 0.2  |
| U.S. TOTAL <sup>1</sup> | 29,675 | 26,840 | 24,272 | 20,356 | 20,321 | 11.5                         | 10.3 | 9.2  | 7.7  | 7.7  |
| Guam                    | 3      | 4      | 6      | 3      | 1      | 2.1                          | 2.8  | 4.3  | 2.1  | 0.7  |
| Puerto Rico             | 820    | 753    | 582    | 620    | 640    | 22.6                         | 20.4 | 15.6 | 16.7 | 17.2 |
| Virgin Islands          | 0      | 0      | 0      | 0      | 0      | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| OUTLYING AREAS          | 823    | 757    | 588    | 623    | 641    | 21.2                         | 19.2 | 14.8 | 15.7 | 16.1 |
| TOTAL                   | 30,498 | 27,597 | 24,860 | 20,979 | 20,962 | 11.7                         | 10.4 | 9.3  | 7.8  | 7.8  |

<sup>1</sup>Includes cases reported by Washington, D.C.

**Table 37. Late and late latent syphilis — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997**

| City               | Cases  |        |        |        |        | Rates per 100,000 Population |       |      |      |      |
|--------------------|--------|--------|--------|--------|--------|------------------------------|-------|------|------|------|
|                    | 1993   | 1994   | 1995   | 1996   | 1997   | 1993                         | 1994  | 1995 | 1996 | 1997 |
| Akron, OH          | 1      | 6      | 1      | 4      | 0      | 0.2                          | 1.1   | 0.2  | 0.8  | 0.0  |
| Albuquerque, NM    | 60     | 69     | 26     | 31     | 41     | 11.8                         | 13.4  | 5.0  | 5.9  | 7.8  |
| Atlanta, GA        | 141    | 130    | 207    | 190    | 289    | 20.8                         | 18.8  | 29.5 | 26.5 | 40.2 |
| Austin, TX         | 64     | 48     | 87     | 30     | 57     | 10.1                         | 7.4   | 13.1 | 4.4  | 8.3  |
| Baltimore, MD      | 154    | 109    | 191    | 73     | 81     | 21.5                         | 15.5  | 27.6 | 10.8 | 12.0 |
| Birmingham, AL     | 126    | 132    | 78     | 149    | 136    | 19.2                         | 20.1  | 11.9 | 22.5 | 20.5 |
| Boston, MA         | 190    | 97     | 88     | 130    | 191    | 34.4                         | 17.7  | 15.8 | 23.2 | 34.2 |
| Buffalo, NY        | 40     | 24     | 23     | 8      | 13     | 12.2                         | 7.3   | 7.1  | 2.5  | 4.0  |
| Charlotte, NC      | 71     | 46     | 41     | 31     | 19     | 12.9                         | 8.2   | 7.1  | 5.2  | 3.2  |
| Chicago, IL        | 189    | 203    | 141    | 100    | 0      | 6.4                          | 6.9   | 4.8  | 3.4  | 0.0  |
| Cincinnati, OH     | 45     | 91     | 26     | 46     | 33     | 5.2                          | 10.5  | 3.0  | 5.4  | 3.8  |
| Cleveland, OH      | 39     | 106    | 108    | 40     | 19     | 2.8                          | 7.6   | 7.7  | 2.9  | 1.4  |
| Columbus, OH       | 27     | 44     | 13     | 3      | 28     | 2.7                          | 4.4   | 1.3  | 0.3  | 2.8  |
| Corpus Christi, TX | 8      | 18     | 24     | 19     | 14     | 2.6                          | 5.8   | 7.7  | 6.0  | 4.4  |
| Dallas, TX         | 345    | 308    | 334    | 217    | 260    | 17.9                         | 15.9  | 17.0 | 10.8 | 13.0 |
| Dayton, OH         | 5      | 62     | 50     | 66     | 70     | 0.9                          | 10.8  | 8.8  | 11.7 | 12.4 |
| Denver, CO         | 63     | 57     | 65     | 48     | 55     | 12.8                         | 11.5  | 13.1 | 9.6  | 11.0 |
| Des Moines, IA     | 5      | 10     | 11     | 5      | 7      | 1.5                          | 2.9   | 3.1  | 1.4  | 2.0  |
| Detroit, MI        | 233    | 211    | 192    | 144    | 188    | 21.9                         | 20.0  | 18.2 | 13.8 | 18.0 |
| El Paso, TX        | 150    | 126    | 115    | 60     | 73     | 23.2                         | 19.0  | 17.0 | 8.8  | 10.7 |
| Fort Worth, TX     | 168    | 112    | 60     | 63     | 62     | 13.6                         | 8.9   | 4.7  | 4.8  | 4.8  |
| Honolulu, HI       | 27     | 32     | 22     | 23     | 38     | 3.1                          | 3.7   | 2.5  | 2.6  | 4.4  |
| Houston, TX        | 1,138  | 1,223  | 1,283  | 1,095  | 1,128  | 37.9                         | 40.2  | 41.7 | 35.0 | 36.1 |
| Indianapolis, IN   | 35     | 42     | 39     | 45     | 21     | 4.3                          | 5.1   | 4.8  | 5.5  | 2.6  |
| Jacksonville, FL   | 19     | 51     | 30     | 48     | 89     | 2.7                          | 7.2   | 4.3  | 6.7  | 12.3 |
| Jersey City, NJ    | 126    | 112    | 70     | 68     | 93     | 57.7                         | 51.3  | 32.2 | 31.3 | 42.7 |
| Kansas City, MO    | 21     | 10     | 13     | 18     | 4      | 4.8                          | 2.3   | 3.0  | 4.0  | 0.9  |
| Los Angeles, CA    | 3,075  | 2,254  | 1,605  | 1,165  | 806    | 36.0                         | 26.3  | 18.8 | 13.6 | 9.4  |
| Louisville, KY     | 54     | 59     | 59     | 49     | 56     | 8.0                          | 8.8   | 8.8  | 7.3  | 8.3  |
| Memphis, TN        | 463    | 453    | 442    | 399    | 473    | 54.6                         | 52.8  | 51.1 | 46.0 | 54.5 |
| Miami, FL          | 640    | 573    | 409    | 364    | 367    | 32.0                         | 28.3  | 20.1 | 17.5 | 17.7 |
| Milwaukee, WI      | 32     | 81     | 74     | 53     | 42     | 3.4                          | 8.6   | 7.9  | 5.7  | 4.6  |
| Minneapolis, MN    | 28     | 34     | 36     | 31     | 27     | 7.4                          | 8.9   | 9.4  | 8.0  | 7.0  |
| Nashville, TN      | 76     | 54     | 7      | 0      | 36     | 14.6                         | 10.2  | 1.3  | 0.0  | 6.7  |
| New Orleans, LA    | 314    | 307    | 213    | 198    | 208    | 64.4                         | 63.4  | 44.2 | 41.5 | 43.6 |
| New York City, NY  | 4,958  | 4,678  | 5,291  | 4,455  | 4,110  | 67.7                         | 63.8  | 72.4 | 60.4 | 55.7 |
| Newark, NJ         | 219    | 346    | 232    | 256    | 235    | 75.0                         | 119.3 | 80.7 | 89.5 | 82.1 |
| Norfolk, VA        | 37     | 41     | 31     | 24     | 25     | 15.0                         | 17.0  | 13.0 | 10.3 | 10.7 |
| Oakland, CA        | 219    | 170    | 91     | 96     | 86     | 18.2                         | 14.1  | 7.5  | 7.9  | 7.1  |
| Oklahoma City, OK  | 31     | 30     | 32     | 20     | 31     | 7.2                          | 6.9   | 7.3  | 4.5  | 7.0  |
| Omaha, NE          | 11     | 14     | 11     | 1      | 12     | 2.6                          | 3.3   | 2.5  | 0.2  | 2.7  |
| Philadelphia, PA   | 255    | 282    | 329    | 255    | 300    | 16.6                         | 18.5  | 21.9 | 17.3 | 20.3 |
| Phoenix, AZ        | 178    | 133    | 142    | 143    | 156    | 7.8                          | 5.7   | 5.8  | 5.5  | 6.0  |
| Pittsburgh, PA     | 25     | 19     | 10     | 11     | 14     | 1.9                          | 1.4   | 0.8  | 0.8  | 1.1  |
| Portland, OR       | 66     | 34     | 27     | 32     | 11     | 13.7                         | 7.0   | 5.6  | 6.5  | 2.2  |
| Richmond, VA       | 61     | 29     | 14     | 27     | 27     | 30.2                         | 14.4  | 7.1  | 13.6 | 13.6 |
| Rochester, NY      | 86     | 78     | 59     | 31     | 21     | 35.2                         | 31.9  | 24.3 | 12.8 | 8.7  |
| Sacramento, CA     | 60     | 86     | 53     | 34     | 36     | 5.5                          | 7.8   | 4.8  | 3.0  | 3.2  |
| San Antonio, TX    | 183    | 179    | 174    | 231    | 182    | 14.6                         | 14.0  | 13.4 | 17.5 | 13.8 |
| San Diego, CA      | 326    | 296    | 252    | 143    | 203    | 12.5                         | 11.2  | 9.5  | 5.4  | 7.6  |
| San Francisco, CA  | 55     | 19     | 37     | 105    | 101    | 7.5                          | 2.6   | 5.1  | 14.3 | 13.7 |
| San Jose, CA       | 74     | 63     | 68     | 59     | 83     | 4.8                          | 4.0   | 4.3  | 3.7  | 5.2  |
| Seattle, WA        | 141    | 106    | 87     | 58     | 42     | 8.9                          | 6.7   | 5.5  | 3.6  | 2.6  |
| St Louis, MO       | 127    | 121    | 60     | 43     | 105    | 33.7                         | 32.9  | 16.7 | 12.2 | 29.9 |
| St Paul, MN        | 12     | 6      | 12     | 12     | 7      | 4.3                          | 2.2   | 4.4  | 4.3  | 2.5  |
| St Petersburg, FL  | 93     | 103    | 63     | 42     | 40     | 10.8                         | 11.9  | 7.2  | 4.8  | 4.6  |
| Tampa, FL          | 286    | 218    | 156    | 115    | 83     | 33.0                         | 24.9  | 17.6 | 12.8 | 9.2  |
| Toledo, OH         | 11     | 16     | 3      | 10     | 13     | 2.4                          | 3.5   | 0.7  | 2.2  | 2.9  |
| Tucson, AZ         | 102    | 67     | 47     | 35     | 34     | 14.4                         | 9.2   | 6.2  | 4.6  | 4.4  |
| Tulsa, OK          | 9      | 15     | 13     | 18     | 21     | 2.4                          | 4.0   | 3.4  | 4.7  | 5.5  |
| Washington, DC     | 450    | 267    | 201    | 125    | 168    | 77.9                         | 47.1  | 36.3 | 23.0 | 30.9 |
| Wichita, KS        | 16     | 9      | 14     | 13     | 15     | 3.8                          | 2.1   | 3.3  | 3.1  | 3.6  |
| Yonkers, NY        | 31     | 35     | 43     | 21     | 27     | 16.3                         | 18.3  | 22.4 | 10.9 | 14.1 |
| U.S. CITY TOTAL    | 16,294 | 14,754 | 13,735 | 11,428 | 11,212 | 23.8                         | 21.5  | 19.9 | 16.5 | 16.1 |
| San Juan, PR       | 540    | 468    | 309    | 339    | 312    | 61.9                         | 53.7  | 35.4 | 38.9 | 35.8 |
| TOTAL              | 16,834 | 15,222 | 14,044 | 11,767 | 11,524 | 24.3                         | 21.9  | 20.1 | 16.7 | 16.4 |

**Table 38. Congenital Syphilis — Reported cases and rates in infants <1 year of age: United States (excluding outlying areas), 1963–1997**

| <i>Year</i> | <i>Cases</i> | <i>Rate per 100,000 Live Births</i> |
|-------------|--------------|-------------------------------------|
| 1963        | 367          | 9.2                                 |
| 1964        | 336          | 8.7                                 |
| 1965        | 335          | 8.9                                 |
| 1966        | 333          | 8.8                                 |
| 1967        | 156          | 4.1                                 |
| 1968        | 274          | 7.3                                 |
| 1969        | 264          | 7.0                                 |
| 1970        | 323          | 8.6                                 |
| 1971        | 422          | 11.9                                |
| 1972        | 360          | 11.0                                |
| 1973        | 295          | 9.4                                 |
| 1974        | 250          | 7.9                                 |
| 1975        | 169          | 5.3                                 |
| 1976        | 160          | 5.1                                 |
| 1977        | 134          | 4.0                                 |
| 1978        | 104          | 3.0                                 |
| 1979        | 123          | 3.5                                 |
| 1980        | 107          | 3.0                                 |
| 1981        | 160          | 4.4                                 |
| 1982        | 159          | 4.3                                 |
| 1983        | 158          | 4.3                                 |
| 1984        | 247          | 6.7                                 |
| 1985        | 266          | 7.0                                 |
| 1986        | 357          | 9.5                                 |
| 1987        | 444          | 11.6                                |
| 1988        | 658          | 16.8                                |
| 1989        | 1,807        | 44.7                                |
| 1990        | 3,816        | 91.0                                |
| 1991        | 4,410        | 107.3                               |
| 1992        | 3,851        | 94.7                                |
| 1993        | 3,237        | 80.9                                |
| 1994        | 2,204        | 55.8                                |
| 1995        | 1,860        | 47.7                                |
| 1996        | 1,283        | 32.9                                |
| 1997        | 1,049        | 26.9                                |

Years 1963-1966 are fiscal years.

NOTE: The surveillance case definition for congenital syphilis changed in 1988 (see Appendix). As of 1995, cases of congenital syphilis <1 year of age are obtained using case reporting form CDC 73.126.

**Table 39. Congenital Syphilis — Reported cases and rates in infants <1 year of age by state/area, ranked according to rates: United States and outlying areas, 1997**

| <i>Rank</i>                  | <i>State/Area</i> | <i>Cases</i> | <i>Rate per 100,000 Live Births</i> |
|------------------------------|-------------------|--------------|-------------------------------------|
| 1                            | Mississippi       | 40           | 96.7                                |
| 2                            | Arkansas          | 31           | 88.1                                |
| 3                            | Maryland          | 56           | 77.4                                |
| 4                            | New Jersey        | 84           | 73.2                                |
| 5                            | Alabama           | 29           | 48.1                                |
| 6                            | Texas             | 151          | 46.8                                |
| 7                            | Tennessee         | 30           | 41.0                                |
| <b>YEAR 2000 OBJECTIVE</b>   |                   |              | <b>40.0</b>                         |
| 8                            | Florida           | 73           | 38.7                                |
| 9                            | Illinois          | 72           | 38.7                                |
| 10                           | New York          | 99           | 36.5                                |
| 11                           | Louisiana         | 22           | 33.5                                |
| 12                           | California        | 163          | 29.5                                |
| 13                           | South Carolina    | 15           | 29.5                                |
| <b>U.S.TOTAL<sup>1</sup></b> |                   | <b>1,049</b> | <b>26.9</b>                         |
| 14                           | Pennsylvania      | 37           | 24.4                                |
| 15                           | North Carolina    | 22           | 21.7                                |
| 16                           | Oklahoma          | 9            | 19.7                                |
| 17                           | Delaware          | 2            | 19.5                                |
| 18                           | Michigan          | 26           | 19.3                                |
| 19                           | Arizona           | 12           | 16.6                                |
| 20                           | Missouri          | 10           | 13.7                                |
| 21                           | Georgia           | 15           | 13.4                                |
| 22                           | Puerto Rico       | 7            | 11.0                                |
| 23                           | Wisconsin         | 7            | 10.4                                |
| 24                           | Kentucky          | 5            | 9.5                                 |
| 25                           | Ohio              | 10           | 6.5                                 |
| 26                           | Virginia          | 6            | 6.5                                 |
| 27                           | Kansas            | 2            | 5.4                                 |
| 28                           | Connecticut       | 2            | 4.5                                 |
| 29                           | Indiana           | 3            | 3.6                                 |
| 30                           | Massachusetts     | 2            | 2.4                                 |
| 31                           | Oregon            | 1            | 2.3                                 |
| 32                           | Washington        | 1            | 1.3                                 |
| 33                           | Alaska            | 0            | 0.0                                 |
| 34                           | Colorado          | 0            | 0.0                                 |
| 35                           | Hawaii            | 0            | 0.0                                 |
| 36                           | Idaho             | 0            | 0.0                                 |
| 37                           | Iowa              | 0            | 0.0                                 |
| 38                           | Maine             | 0            | 0.0                                 |
| 39                           | Minnesota         | 0            | 0.0                                 |
| 40                           | Montana           | 0            | 0.0                                 |
| 41                           | Nebraska          | 0            | 0.0                                 |
| 42                           | Nevada            | 0            | 0.0                                 |
| 43                           | New Hampshire     | 0            | 0.0                                 |
| 44                           | New Mexico        | 0            | 0.0                                 |
| 45                           | North Dakota      | 0            | 0.0                                 |
| 46                           | Rhode Island      | 0            | 0.0                                 |
| 47                           | South Dakota      | 0            | 0.0                                 |
| 48                           | Utah              | 0            | 0.0                                 |
| 49                           | Vermont           | 0            | 0.0                                 |
| 50                           | West Virginia     | 0            | 0.0                                 |
| 51                           | Wyoming           | 0            | 0.0                                 |
| 52                           | Guam              | 0            | 0.0                                 |
| 53                           | Virgin Islands    | 0            | 0.0                                 |

<sup>1</sup>Includes cases reported by Washington, D.C. but excludes outlying areas (Guam, Puerto Rico and Virgin Islands).

**Table 40. Congenital Syphilis — Reported cases and rates in infants <1 year of age by state/area:  
United States and outlying areas, 1993–1997**

| State/Area              | Cases |       |       |       |       | Rates per 100,000 Live Births |       |       |       |      |
|-------------------------|-------|-------|-------|-------|-------|-------------------------------|-------|-------|-------|------|
|                         | 1993  | 1994  | 1995  | 1996  | 1997  | 1993                          | 1994  | 1995  | 1996  | 1997 |
| Alabama                 | 27    | 18    | 18    | 22    | 29    | 43.8                          | 29.5  | 29.8  | 36.5  | 48.1 |
| Alaska                  | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| Arizona                 | 16    | 16    | 10    | 6     | 12    | 23.2                          | 22.6  | 13.8  | 8.3   | 16.6 |
| Arkansas                | 8     | 29    | 30    | 32    | 31    | 23.3                          | 83.5  | 85.3  | 91.0  | 88.1 |
| California              | 298   | 194   | 346   | 196   | 163   | 50.9                          | 34.2  | 62.7  | 35.5  | 29.5 |
| Colorado                | 8     | 4     | 1     | 3     | 0     | 14.8                          | 7.4   | 1.8   | 5.5   | 0.0  |
| Connecticut             | 10    | 6     | 6     | 2     | 2     | 21.4                          | 13.1  | 13.5  | 4.5   | 4.5  |
| Delaware                | 3     | 5     | 1     | 0     | 2     | 28.4                          | 48.0  | 9.7   | 0.0   | 19.5 |
| Florida                 | 235   | 74    | 114   | 92    | 73    | 122.1                         | 38.8  | 60.4  | 48.7  | 38.7 |
| Georgia                 | 79    | 42    | 45    | 30    | 15    | 71.4                          | 37.8  | 40.1  | 26.7  | 13.4 |
| Hawaii                  | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| Idaho                   | 0     | 0     | 0     | 1     | 0     | 0.0                           | 0.0   | 0.0   | 5.5   | 0.0  |
| Illinois                | 368   | 258   | 184   | 104   | 72    | 192.9                         | 136.3 | 99.0  | 56.0  | 38.7 |
| Indiana                 | 1     | 11    | 0     | 5     | 3     | 1.2                           | 13.3  | 0.0   | 6.0   | 3.6  |
| Iowa                    | 1     | 6     | 0     | 0     | 0     | 2.6                           | 16.2  | 0.0   | 0.0   | 0.0  |
| Kansas                  | 3     | 2     | 1     | 0     | 2     | 8.0                           | 5.4   | 2.7   | 0.0   | 5.4  |
| Kentucky                | 9     | 13    | 9     | 6     | 5     | 17.0                          | 24.5  | 17.2  | 11.5  | 9.5  |
| Louisiana               | 144   | 87    | 36    | 15    | 22    | 207.5                         | 128.3 | 54.8  | 22.9  | 33.5 |
| Maine                   | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| Maryland                | 30    | 9     | 29    | 34    | 56    | 40.0                          | 12.2  | 40.1  | 47.0  | 77.4 |
| Massachusetts           | 6     | 6     | 0     | 6     | 2     | 7.1                           | 7.2   | 0.0   | 7.3   | 2.4  |
| Michigan                | 84    | 28    | 27    | 22    | 26    | 60.1                          | 20.3  | 20.1  | 16.3  | 19.3 |
| Minnesota               | 9     | 2     | 2     | 2     | 0     | 13.9                          | 3.1   | 3.2   | 3.2   | 0.0  |
| Mississippi             | 70    | 56    | 65    | 54    | 40    | 166.1                         | 133.5 | 157.2 | 130.6 | 96.7 |
| Missouri                | 97    | 72    | 40    | 15    | 10    | 128.9                         | 97.9  | 54.8  | 20.5  | 13.7 |
| Montana                 | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| Nebraska                | 1     | 0     | 0     | 0     | 0     | 4.3                           | 0.0   | 0.0   | 0.0   | 0.0  |
| Nevada                  | 3     | 3     | 0     | 1     | 0     | 13.4                          | 12.5  | 0.0   | 4.0   | 0.0  |
| New Hampshire           | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| New Jersey              | 161   | 178   | 94    | 90    | 84    | 136.8                         | 151.5 | 81.9  | 78.4  | 73.2 |
| New Mexico              | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| New York                | 748   | 388   | 327   | 156   | 99    | 264.9                         | 139.4 | 120.5 | 57.5  | 36.5 |
| North Carolina          | 54    | 44    | 33    | 31    | 22    | 53.3                          | 43.4  | 32.5  | 30.5  | 21.7 |
| North Dakota            | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| Ohio                    | 71    | 71    | 38    | 15    | 10    | 44.7                          | 45.5  | 24.7  | 9.7   | 6.5  |
| Oklahoma                | 11    | 15    | 17    | 10    | 9     | 23.8                          | 32.8  | 37.2  | 21.9  | 19.7 |
| Oregon                  | 4     | 0     | 0     | 0     | 1     | 9.6                           | 0.0   | 0.0   | 0.0   | 2.3  |
| Pennsylvania            | 161   | 115   | 66    | 58    | 37    | 100.1                         | 73.2  | 43.5  | 38.2  | 24.4 |
| Rhode Island            | 1     | 2     | 0     | 0     | 0     | 7.2                           | 14.9  | 0.0   | 0.0   | 0.0  |
| South Carolina          | 82    | 100   | 39    | 40    | 15    | 152.3                         | 192.1 | 76.6  | 78.5  | 29.5 |
| South Dakota            | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| Tennessee               | 52    | 57    | 29    | 34    | 30    | 71.2                          | 77.9  | 39.6  | 46.5  | 41.0 |
| Texas                   | 246   | 224   | 202   | 166   | 151   | 76.4                          | 69.8  | 62.6  | 51.4  | 46.8 |
| Utah                    | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| Vermont                 | 0     | 0     | 0     | 1     | 0     | 0.0                           | 0.0   | 0.0   | 14.7  | 0.0  |
| Virginia                | 23    | 18    | 25    | 16    | 6     | 24.2                          | 18.9  | 27.0  | 17.3  | 6.5  |
| Washington              | 4     | 3     | 2     | 1     | 1     | 5.1                           | 3.9   | 2.6   | 1.3   | 1.3  |
| West Virginia           | 6     | 2     | 0     | 0     | 0     | 27.5                          | 9.4   | 0.0   | 0.0   | 0.0  |
| Wisconsin               | 29    | 18    | 11    | 3     | 7     | 41.6                          | 26.4  | 16.3  | 4.4   | 10.4 |
| Wyoming                 | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| U.S. TOTAL <sup>1</sup> | 3,237 | 2,204 | 1,860 | 1,283 | 1,049 | 80.9                          | 55.8  | 47.7  | 32.9  | 26.9 |
| Guam                    | 0     | 0     | 0     | 0     | 0     | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0  |
| Puerto Rico             | 18    | 20    | 14    | 11    | 7     | 28.1                          | 31.1  | 22.1  | 17.3  | 11.0 |
| Virgin Islands          | 1     | 0     | 0     | 0     | 0     | 45.1                          | 0.0   | 0.0   | 0.0   | 0.0  |
| OUTLYING AREAS          | 19    | 20    | 14    | 11    | 7     | 27.3                          | 28.2  | 20.1  | 15.8  | 10.0 |
| TOTAL                   | 3,256 | 2,224 | 1,874 | 1,294 | 1,056 | 80.0                          | 55.3  | 47.2  | 32.6  | 26.6 |

<sup>1</sup>Includes cases reported by Washington, D.C.

NOTE: As of 1995, cases of congenital syphilis <1 year of age are obtained using case reporting form CDC 73.126.

**Table 41. Congenital Syphilis — Reported cases and rates in infants <1 year of age in selected cities of >200,000 population, ranked according to rates: United States and outlying areas, 1997**

| <i>Rank</i> | <i>City</i>                | <i>Cases</i> | <i>Rate per 100,000 Live Births</i> |
|-------------|----------------------------|--------------|-------------------------------------|
| 1           | Newark, NJ                 | 32           | 592.3                               |
| 2           | Baltimore, MD              | 55           | 516.5                               |
| 3           | Houston, TX                | 108          | 266.7                               |
| 4           | Memphis, TN                | 26           | 234.8                               |
| 5           | Birmingham, AL             | 9            | 219.0                               |
| 6           | Miami, FL                  | 32           | 206.1                               |
| 7           | Philadelphia, PA           | 37           | 152.9                               |
| 8           | St Louis, MO               | 9            | 149.3                               |
| 9           | Atlanta, GA                | 12           | 147.3                               |
| 10          | Washington, DC             | 12           | 133.1                               |
| 11          | Detroit, MI                | 23           | 130.7                               |
| 12          | Jersey City, NJ            | 4            | 100.1                               |
| 13          | Oklahoma City, OK          | 7            | 98.7                                |
| 14          | Tampa, FL                  | 7            | 96.0                                |
| 15          | Chicago, IL                | 50           | 91.7                                |
| 16          | Los Angeles, CA            | 65           | 91.3                                |
| 17          | Fort Worth, TX             | 6            | 65.9                                |
| 18          | New York City, NY          | 80           | 63.5                                |
| 19          | Cleveland, OH              | 6            | 63.2                                |
| 20          | Milwaukee, WI              | 7            | 62.6                                |
| 21          | Buffalo, NY                | 3            | 58.2                                |
| 22          | Phoenix, AZ                | 11           | 49.6                                |
| 23          | Louisville, KY             | 3            | 46.7                                |
|             | <b>YEAR 2000 OBJECTIVE</b> |              | <b>40.0</b>                         |
| 24          | New Orleans, LA            | 3            | 37.1                                |
| 25          | Wichita, KS                | 2            | 34.9                                |
| 26          | Richmond, VA               | 1            | 34.7                                |
| 27          | El Paso, TX                | 4            | 28.8                                |
| 28          | San Francisco, CA          | 2            | 23.3                                |
| 29          | Norfolk, VA                | 1            | 22.9                                |
| 30          | San Juan, PR               | 2            | 22.8                                |
| 31          | San Antonio, TX            | 4            | 19.1                                |
| 32          | Tulsa, OK                  | 1            | 16.8                                |
| 33          | Kansas City, MO            | 1            | 14.6                                |
| 34          | Portland, OR               | 1            | 13.9                                |
| 35          | Dallas, TX                 | 3            | 13.9                                |
| 36          | Columbus, OH               | 1            | 9.8                                 |
| 37          | Tucson, AZ                 | 0            | 0.0                                 |
| 38          | Oakland, CA                | 0            | 0.0                                 |
| 39          | Sacramento, CA             | 0            | 0.0                                 |
| 40          | San Diego, CA              | 0            | 0.0                                 |
| 41          | San Jose, CA               | 0            | 0.0                                 |
| 42          | Denver, CO                 | 0            | 0.0                                 |
| 43          | Jacksonville, FL           | 0            | 0.0                                 |
| 44          | St Petersburg, FL          | 0            | 0.0                                 |
| 45          | Honolulu, HI               | 0            | 0.0                                 |
| 46          | Indianapolis, IN           | 0            | 0.0                                 |
| 47          | Des Moines, IA             | 0            | 0.0                                 |
| 48          | Boston, MA                 | 0            | 0.0                                 |
| 49          | Minneapolis, MN            | 0            | 0.0                                 |
| 50          | St Paul, MN                | 0            | 0.0                                 |
| 51          | Omaha, NE                  | 0            | 0.0                                 |
| 52          | Albuquerque, NM            | 0            | 0.0                                 |
| 53          | Rochester, NY              | 0            | 0.0                                 |
| 54          | Yonkers, NY                | 0            | 0.0                                 |
| 55          | Charlotte, NC              | 0            | 0.0                                 |
| 56          | Akron, OH                  | 0            | 0.0                                 |
| 57          | Cincinnati, OH             | 0            | 0.0                                 |
| 58          | Dayton, OH                 | 0            | 0.0                                 |
| 59          | Toledo, OH                 | 0            | 0.0                                 |
| 60          | Pittsburgh, PA             | 0            | 0.0                                 |
| 61          | Nashville, TN              | 0            | 0.0                                 |
| 62          | Austin, TX                 | 0            | 0.0                                 |
| 63          | Corpus Christi, TX         | 0            | 0.0                                 |
| 64          | Seattle, WA                | 0            | 0.0                                 |

**Table 42. Congenital syphilis — Reported cases and rates in infants <1 year of age in selected cities of >200,000 population: United States and outlying areas, 1993–1997**

| City               | Cases |       |       |      |      | Rates per 100,000 Live Births |       |       |       |       |
|--------------------|-------|-------|-------|------|------|-------------------------------|-------|-------|-------|-------|
|                    | 1993  | 1994  | 1995  | 1996 | 1997 | 1993                          | 1994  | 1995  | 1996  | 1997  |
| Akron, OH          | 1     | 0     | 0     | 0    | 0    | 27.2                          | 0.0   | 0.0   | 0.0   | 0.0   |
| Albuquerque, NM    | 0     | 0     | 0     | 0    | 0    | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0   |
| Atlanta, GA        | 36    | 11    | 21    | 15   | 10   | 421.6                         | 129.3 | 257.8 | 184.1 | 122.7 |
| Austin, TX         | 9     | 3     | 0     | 0    | 0    | 96.4                          | 31.6  | 0.0   | 0.0   | 0.0   |
| Baltimore, MD      | 5     | 1     | 15    | 30   | 55   | 40.7                          | 8.6   | 140.9 | 281.7 | 516.5 |
| Birmingham, AL     | 7     | 7     | 9     | 11   | 9    | 159.2                         | 164.6 | 219.0 | 267.7 | 219.0 |
| Boston, MA         | 3     | 4     | 0     | 2    | 0    | 34.0                          | 47.2  | 0.0   | 24.8  | 0.0   |
| Buffalo, NY        | 6     | 1     | 1     | 2    | 3    | 100.1                         | 17.7  | 19.4  | 38.8  | 58.2  |
| Charlotte, NC      | 10    | 3     | 1     | 2    | 0    | 139.4                         | 42.4  | 12.5  | 25.0  | 0.0   |
| Chicago, IL        | 275   | 177   | 121   | 66   | 50   | 465.8                         | 308.7 | 221.9 | 121.0 | 91.7  |
| Cincinnati, OH     | 12    | 15    | 6     | 1    | 0    | 181.5                         | 249.0 | 105.4 | 17.6  | 0.0   |
| Cleveland, OH      | 47    | 44    | 20    | 6    | 6    | 446.2                         | 446.6 | 210.6 | 63.2  | 63.2  |
| Columbus, OH       | 1     | 1     | 0     | 0    | 1    | 9.3                           | 9.6   | 0.0   | 0.0   | 9.8   |
| Corpus Christi, TX | 0     | 0     | 1     | 0    | 0    | 0.0                           | 0.0   | 21.2  | 0.0   | 0.0   |
| Dallas, TX         | 22    | 10    | 13    | 2    | 3    | 102.6                         | 47.0  | 60.1  | 9.2   | 13.9  |
| Dayton, OH         | 5     | 5     | 8     | 7    | 0    | 149.4                         | 164.4 | 273.1 | 239.0 | 0.0   |
| Denver, CO         | 3     | 3     | 0     | 1    | 0    | 34.3                          | 34.8  | 0.0   | 11.5  | 0.0   |
| Des Moines, IA     | 0     | 2     | 0     | 0    | 0    | 0.0                           | 58.0  | 0.0   | 0.0   | 0.0   |
| Detroit, MI        | 72    | 19    | 23    | 18   | 23   | 353.9                         | 98.0  | 130.7 | 102.3 | 130.7 |
| El Paso, TX        | 18    | 10    | 3     | 4    | 4    | 125.1                         | 71.0  | 21.6  | 28.8  | 28.8  |
| Fort Worth, TX     | 13    | 7     | 11    | 4    | 6    | 144.4                         | 79.8  | 120.8 | 43.9  | 65.9  |
| Honolulu, HI       | 0     | 0     | 0     | 0    | 0    | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0   |
| Houston, TX        | 119   | 86    | 99    | 105  | 108  | 290.7                         | 214.8 | 244.5 | 259.3 | 266.7 |
| Indianapolis, IN   | 0     | 3     | 0     | 0    | 0    | 0.0                           | 22.0  | 0.0   | 0.0   | 0.0   |
| Jacksonville, FL   | 8     | 1     | 1     | 1    | 0    | 70.7                          | 9.1   | 9.2   | 9.2   | 0.0   |
| Jersey City, NJ    | 7     | 9     | 11    | 1    | 4    | 166.3                         | 213.5 | 275.2 | 25.0  | 100.1 |
| Kansas City, MO    | 11    | 7     | 2     | 1    | 1    | 149.8                         | 107.3 | 29.3  | 14.6  | 14.6  |
| Los Angeles, CA    | 256   | 190   | 157   | 90   | 64   | 310.7                         | 258.5 | 220.5 | 126.4 | 89.9  |
| Louisville, KY     | 7     | 10    | 4     | 4    | 3    | 116.1                         | 160.5 | 62.2  | 62.2  | 46.7  |
| Memphis, TN        | 35    | 35    | 25    | 26   | 26   | 288.9                         | 302.1 | 225.8 | 234.8 | 234.8 |
| Miami, FL          | 113   | 14    | 48    | 37   | 32   | 659.1                         | 86.4  | 309.1 | 238.3 | 206.1 |
| Milwaukee, WI      | 5     | 15    | 11    | 3    | 7    | 41.0                          | 127.7 | 98.4  | 26.8  | 62.6  |
| Minneapolis, MN    | 5     | 1     | 2     | 1    | 0    | 82.8                          | 16.9  | 34.9  | 17.4  | 0.0   |
| Nashville, TN      | 3     | 1     | 1     | 1    | 0    | 36.8                          | 12.5  | 12.4  | 12.4  | 0.0   |
| New Orleans, LA    | 54    | 23    | 0     | 0    | 3    | 592.4                         | 264.6 | 0.0   | 0.0   | 37.1  |
| New York City, NY  | 654   | 329   | 283   | 132  | 80   | 504.7                         | 257.7 | 224.5 | 104.7 | 63.5  |
| Newark, NJ         | 73    | 55    | 44    | 32   | 32   | 1,383.4                       | 985.8 | 814.4 | 592.3 | 592.3 |
| Norfolk, VA        | 10    | 2     | 8     | 7    | 1    | 194.5                         | 43.7  | 183.0 | 160.1 | 22.9  |
| Oakland, CA        | 7     | 0     | 0     | 0    | 0    | 96.8                          | 0.0   | 0.0   | 0.0   | 0.0   |
| Oklahoma City, OK  | 6     | 12    | 13    | 8    | 7    | 83.5                          | 167.9 | 183.2 | 112.8 | 98.7  |
| Omaha, NE          | 1     | 0     | 0     | 0    | 0    | 18.7                          | 0.0   | 0.0   | 0.0   | 0.0   |
| Philadelphia, PA   | 152   | 106   | 66    | 58   | 37   | 563.8                         | 406.8 | 272.7 | 239.6 | 152.9 |
| Phoenix, AZ        | 11    | 13    | 6     | 3    | 11   | 53.6                          | 60.8  | 27.0  | 13.5  | 49.6  |
| Pittsburgh, PA     | 2     | 1     | 0     | 0    | 0    | 39.6                          | 21.1  | 0.0   | 0.0   | 0.0   |
| Portland, OR       | 2     | 0     | 0     | 0    | 1    | 30.5                          | 0.0   | 0.0   | 0.0   | 13.9  |
| Richmond, VA       | 0     | 0     | 1     | 0    | 1    | 0.0                           | 0.0   | 34.7  | 0.0   | 34.7  |
| Rochester, NY      | 7     | 4     | 4     | 1    | 0    | 125.5                         | 81.1  | 89.9  | 22.5  | 0.0   |
| Sacramento, CA     | 0     | 0     | 0     | 0    | 0    | 0.0                           | 0.0   | 0.0   | 0.0   | 0.0   |
| San Antonio, TX    | 9     | 10    | 9     | 7    | 4    | 43.4                          | 47.2  | 42.9  | 33.4  | 19.1  |
| San Diego, CA      | 9     | 0     | 0     | 0    | 0    | 41.8                          | 0.0   | 0.0   | 0.0   | 0.0   |
| San Francisco, CA  | 7     | 4     | 1     | 1    | 2    | 77.5                          | 44.1  | 11.6  | 11.6  | 23.3  |
| San Jose, CA       | 1     | 0     | 0     | 0    | 0    | 6.0                           | 0.0   | 0.0   | 0.0   | 0.0   |
| Seattle, WA        | 2     | 2     | 0     | 0    | 0    | 27.9                          | 27.6  | 0.0   | 0.0   | 0.0   |
| St Louis, MO       | 66    | 49    | 28    | 12   | 9    | 880.9                         | 729.1 | 464.5 | 199.1 | 149.3 |
| St Paul, MN        | 2     | 0     | 0     | 0    | 0    | 41.1                          | 0.0   | 0.0   | 0.0   | 0.0   |
| St Petersburg, FL  | 11    | 0     | 2     | 1    | 0    | 315.1                         | 0.0   | 59.6  | 29.8  | 0.0   |
| Tampa, FL          | 12    | 4     | 9     | 16   | 7    | 162.2                         | 53.5  | 123.5 | 219.5 | 96.0  |
| Toledo, OH         | 3     | 0     | 0     | 0    | 0    | 49.7                          | 0.0   | 0.0   | 0.0   | 0.0   |
| Tucson, AZ         | 2     | 3     | 1     | 2    | 0    | 22.6                          | 33.7  | 11.8  | 23.6  | 0.0   |
| Tulsa, OK          | 4     | 1     | 1     | 0    | 1    | 62.3                          | 16.3  | 16.8  | 0.0   | 16.8  |
| Washington, DC     | 74    | 28    | 12    | 14   | 12   | 696.2                         | 282.0 | 133.1 | 155.3 | 133.1 |
| Wichita, KS        | 0     | 0     | 0     | 0    | 2    | 0.0                           | 0.0   | 0.0   | 0.0   | 34.9  |
| Yonkers, NY        | 7     | 8     | 3     | 0    | 0    | 247.6                         | 279.8 | 110.8 | 0.0   | 0.0   |
| U.S. CITY TOTAL    | 2,302 | 1,349 | 1,105 | 735  | 625  | 268.7                         | 162.7 | 136.7 | 90.9  | 77.3  |
| San Juan, PR       | 11    | 10    | 0     | 0    | 2    | 121.0                         | 110.8 | 0.0   | 0.0   | 22.8  |
| TOTAL              | 2,313 | 1,359 | 1,105 | 735  | 627  | 267.1                         | 162.1 | 135.3 | 90.0  | 76.8  |

NOTE: As of 1995, cases of congenital syphilis <1 year of age are obtained using case reporting form CDC 73.126.

**Table 43. Chancroid — Reported cases and rates by state/area: United States and outlying areas, 1993–1997**

| State/Area              | Cases |      |      |      |      | Rates per 100,000 Population |      |      |      |      |
|-------------------------|-------|------|------|------|------|------------------------------|------|------|------|------|
|                         | 1993  | 1994 | 1995 | 1996 | 1997 | 1993                         | 1994 | 1995 | 1996 | 1997 |
| Alabama                 | 23    | 24   | 7    | 0    | 1    | 0.6                          | 0.6  | 0.2  | 0.0  | 0.0  |
| Alaska                  | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Arizona                 | 3     | 3    | 2    | 2    | 0    | 0.1                          | 0.1  | 0.0  | 0.0  | 0.0  |
| Arkansas                | 0     | 0    | 1    | 1    | 1    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| California              | 12    | 25   | 8    | 8    | 19   | 0.0                          | 0.1  | 0.0  | 0.0  | 0.1  |
| Colorado                | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Connecticut             | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Delaware                | 1     | 0    | 0    | 0    | 0    | 0.1                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Florida                 | 46    | 20   | 24   | 3    | 3    | 0.3                          | 0.1  | 0.2  | 0.0  | 0.0  |
| Georgia                 | 29    | 0    | 2    | 0    | 1    | 0.4                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Hawaii                  | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Idaho                   | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Illinois                | 91    | 38   | 21   | 20   | 5    | 0.8                          | 0.3  | 0.2  | 0.2  | 0.0  |
| Indiana                 | 3     | 0    | 0    | 1    | 0    | 0.1                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Iowa                    | 0     | 1    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Kansas                  | 1     | 5    | 2    | 2    | 0    | 0.0                          | 0.2  | 0.1  | 0.1  | 0.0  |
| Kentucky                | 4     | 0    | 0    | 0    | 0    | 0.1                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Louisiana               | 310   | 209  | 129  | 58   | 3    | 7.2                          | 4.8  | 3.0  | 1.3  | 0.1  |
| Maine                   | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Maryland                | 0     | 0    | 0    | 2    | 1    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Massachusetts           | 2     | 1    | 7    | 2    | 4    | 0.0                          | 0.0  | 0.1  | 0.0  | 0.1  |
| Michigan                | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Minnesota               | 1     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Mississippi             | 0     | 0    | 0    | 1    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Missouri                | 1     | 2    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Montana                 | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Nebraska                | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Nevada                  | 0     | 0    | 2    | 0    | 0    | 0.0                          | 0.0  | 0.1  | 0.0  | 0.0  |
| New Hampshire           | 3     | 0    | 0    | 1    | 0    | 0.3                          | 0.0  | 0.0  | 0.1  | 0.0  |
| New Jersey              | 0     | 0    | 4    | 4    | 0    | 0.0                          | 0.0  | 0.1  | 0.1  | 0.0  |
| New Mexico              | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| New York                | 618   | 365  | 336  | 182  | 119  | 3.4                          | 2.0  | 1.9  | 1.0  | 0.7  |
| North Carolina          | 13    | 10   | 18   | 14   | 9    | 0.2                          | 0.1  | 0.3  | 0.2  | 0.1  |
| North Dakota            | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Ohio                    | 21    | 8    | 5    | 6    | 3    | 0.2                          | 0.1  | 0.0  | 0.1  | 0.0  |
| Oklahoma                | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Oregon                  | 0     | 5    | 0    | 0    | 1    | 0.0                          | 0.2  | 0.0  | 0.0  | 0.0  |
| Pennsylvania            | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Rhode Island            | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| South Carolina          | 0     | 0    | 0    | 8    | 15   | 0.0                          | 0.0  | 0.0  | 0.2  | 0.4  |
| South Dakota            | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Tennessee               | 8     | 3    | 2    | 2    | 1    | 0.2                          | 0.1  | 0.0  | 0.0  | 0.0  |
| Texas                   | 37    | 51   | 26   | 65   | 53   | 0.2                          | 0.3  | 0.1  | 0.3  | 0.3  |
| Utah                    | 4     | 0    | 0    | 0    | 0    | 0.2                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Vermont                 | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Virginia                | 3     | 0    | 2    | 1    | 1    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Washington              | 0     | 1    | 5    | 1    | 2    | 0.0                          | 0.0  | 0.1  | 0.0  | 0.0  |
| West Virginia           | 1     | 0    | 1    | 0    | 0    | 0.1                          | 0.0  | 0.1  | 0.0  | 0.0  |
| Wisconsin               | 0     | 2    | 3    | 2    | 0    | 0.0                          | 0.0  | 0.1  | 0.0  | 0.0  |
| Wyoming                 | 1     | 0    | 0    | 0    | 1    | 0.2                          | 0.0  | 0.0  | 0.0  | 0.2  |
| U.S. TOTAL <sup>1</sup> | 1,237 | 773  | 607  | 386  | 243  | 0.5                          | 0.3  | 0.2  | 0.1  | 0.1  |
| Guam                    | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Puerto Rico             | 25    | 32   | 1    | 2    | 1    | 0.7                          | 0.9  | 0.0  | 0.1  | 0.0  |
| Virgin Islands          | 5     | 1    | 2    | 0    | 0    | 4.5                          | 0.9  | 1.8  | 0.0  | 0.0  |
| OUTLYING AREAS          | 30    | 33   | 3    | 2    | 1    | 0.8                          | 0.8  | 0.1  | 0.1  | 0.0  |
| TOTAL                   | 1,267 | 806  | 610  | 388  | 244  | 0.5                          | 0.3  | 0.2  | 0.1  | 0.1  |

<sup>1</sup>Includes cases reported by Washington, D.C.

**Table 44. Chancroid — Reported cases and rates in selected cities of >200,000 population: United States and outlying areas, 1993–1997**

| City               | Cases |      |      |      |      | Rates per 100,000 Population |      |      |      |      |
|--------------------|-------|------|------|------|------|------------------------------|------|------|------|------|
|                    | 1993  | 1994 | 1995 | 1996 | 1997 | 1993                         | 1994 | 1995 | 1996 | 1997 |
| Akron, OH          | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Albuquerque, NM    | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Atlanta, GA        | 10    | 0    | 0    | 0    | 1    | 1.5                          | 0.0  | 0.0  | 0.0  | 0.1  |
| Austin, TX         | 2     | 5    | 0    | 0    | 0    | 0.3                          | 0.8  | 0.0  | 0.0  | 0.0  |
| Baltimore, MD      | 0     | 0    | 0    | 1    | 0    | 0.0                          | 0.0  | 0.0  | 0.1  | 0.0  |
| Birmingham, AL     | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Boston, MA         | 0     | 0    | 2    | 0    | 3    | 0.0                          | 0.0  | 0.4  | 0.0  | 0.5  |
| Buffalo, NY        | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Charlotte, NC      | 10    | 0    | 3    | 4    | 1    | 1.8                          | 0.0  | 0.5  | 0.7  | 0.2  |
| Chicago, IL        | 81    | 36   | 21   | 20   | 5    | 2.7                          | 1.2  | 0.7  | 0.7  | 0.2  |
| Cincinnati, OH     | 2     | 3    | 1    | 0    | 0    | 0.2                          | 0.3  | 0.1  | 0.0  | 0.0  |
| Cleveland, OH      | 0     | 2    | 0    | 0    | 0    | 0.0                          | 0.1  | 0.0  | 0.0  | 0.0  |
| Columbus, OH       | 0     | 0    | 0    | 0    | 3    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.3  |
| Corpus Christi, TX | 0     | 0    | 1    | 0    | 0    | 0.0                          | 0.0  | 0.3  | 0.0  | 0.0  |
| Dallas, TX         | 0     | 0    | 12   | 13   | 13   | 0.0                          | 0.0  | 0.6  | 0.6  | 0.6  |
| Dayton, OH         | 19    | 3    | 1    | 1    | 0    | 3.3                          | 0.5  | 0.2  | 0.2  | 0.0  |
| Denver, CO         | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Des Moines, IA     | 0     | 1    | 0    | 0    | 0    | 0.0                          | 0.3  | 0.0  | 0.0  | 0.0  |
| Detroit, MI        | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| El Paso, TX        | 0     | 1    | 0    | 1    | 2    | 0.0                          | 0.2  | 0.0  | 0.1  | 0.3  |
| Fort Worth, TX     | 0     | 0    | 0    | 0    | 1    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.1  |
| Honolulu, HI       | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Houston, TX        | 34    | 38   | 0    | 25   | 23   | 1.1                          | 1.2  | 0.0  | 0.8  | 0.7  |
| Indianapolis, IN   | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Jacksonville, FL   | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Jersey City, NJ    | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Kansas City, MO    | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Los Angeles, CA    | 12    | 20   | 4    | 2    | 12   | 0.1                          | 0.2  | 0.0  | 0.0  | 0.1  |
| Louisville, KY     | 1     | 0    | 0    | 0    | 0    | 0.1                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Memphis, TN        | 8     | 3    | 2    | 2    | 0    | 0.9                          | 0.3  | 0.2  | 0.2  | 0.0  |
| Miami, FL          | 1     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Milwaukee, WI      | 0     | 0    | 0    | 1    | 0    | 0.0                          | 0.0  | 0.0  | 0.1  | 0.0  |
| Minneapolis, MN    | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Nashville, TN      | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| New Orleans, LA    | 281   | 201  | 125  | 52   | 3    | 57.7                         | 41.5 | 25.9 | 10.9 | 0.6  |
| New York City, NY  | 613   | 357  | 334  | 181  | 119  | 8.4                          | 4.9  | 4.6  | 2.5  | 1.6  |
| Newark, NJ         | 0     | 0    | 1    | 0    | 0    | 0.0                          | 0.0  | 0.3  | 0.0  | 0.0  |
| Norfolk, VA        | 0     | 0    | 1    | 0    | 0    | 0.0                          | 0.0  | 0.4  | 0.0  | 0.0  |
| Oakland, CA        | 0     | 0    | 2    | 0    | 1    | 0.0                          | 0.0  | 0.2  | 0.0  | 0.1  |
| Oklahoma City, OK  | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Omaha, NE          | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Philadelphia, PA   | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Phoenix, AZ        | 2     | 3    | 0    | 1    | 0    | 0.1                          | 0.1  | 0.0  | 0.0  | 0.0  |
| Pittsburgh, PA     | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Portland, OR       | 0     | 2    | 0    | 0    | 0    | 0.0                          | 0.4  | 0.0  | 0.0  | 0.0  |
| Richmond, VA       | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Rochester, NY      | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Sacramento, CA     | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| San Antonio, TX    | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| San Diego, CA      | 0     | 2    | 2    | 2    | 0    | 0.0                          | 0.1  | 0.1  | 0.1  | 0.0  |
| San Francisco, CA  | 0     | 2    | 0    | 1    | 3    | 0.0                          | 0.3  | 0.0  | 0.1  | 0.4  |
| San Jose, CA       | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Seattle, WA        | 0     | 0    | 4    | 0    | 1    | 0.0                          | 0.0  | 0.3  | 0.0  | 0.1  |
| St Louis, MO       | 1     | 1    | 0    | 0    | 0    | 0.3                          | 0.3  | 0.0  | 0.0  | 0.0  |
| St Paul, MN        | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| St Petersburg, FL  | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Tampa, FL          | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Toledo, OH         | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Tucson, AZ         | 0     | 0    | 0    | 1    | 0    | 0.0                          | 0.0  | 0.0  | 0.1  | 0.0  |
| Tulsa, OK          | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Washington, DC     | 1     | 0    | 0    | 0    | 0    | 0.2                          | 0.0  | 0.0  | 0.0  | 0.0  |
| Wichita, KS        | 0     | 0    | 0    | 1    | 0    | 0.0                          | 0.0  | 0.0  | 0.2  | 0.0  |
| Yonkers, NY        | 0     | 0    | 0    | 0    | 0    | 0.0                          | 0.0  | 0.0  | 0.0  | 0.0  |
| U.S. CITY TOTAL    | 1,078 | 680  | 516  | 309  | 191  | 1.6                          | 1.0  | 0.7  | 0.4  | 0.3  |
| San Juan, PR       | 7     | 10   | 0    | 1    | 0    | 0.8                          | 1.1  | 0.0  | 0.1  | 0.0  |
| TOTAL              | 1,085 | 690  | 516  | 310  | 191  | 1.6                          | 1.0  | 0.7  | 0.4  | 0.3  |



## Sources and Limitations of Data

### CDC Surveillance Data

Much of the information in this document was based on cases of sexually transmitted diseases (STDs) reported to the Division of STD Prevention (DSTDP), Centers for Disease Control and Prevention (CDC), by the STD control programs and health departments in the 50 states, the District of Columbia, selected cities, U.S. dependencies and possessions, and independent nations in free association with the United States. Included among the dependencies, possessions, and independent nations are Guam, Puerto Rico, and the Virgin Islands. These entities are identified as "outlying areas of the U.S." in selected tables and figures.

At present, STD data are submitted to CDC on a variety of hardcopy summary reports (monthly, quarterly, and annually) and electronically either in summary or individual case-listed format via the National Electronic Telecommunications System for Surveillance (NETSS) -- the system that provides notifiable disease information that is published in the *Morbidity and Mortality Weekly Report*, or *MMWR*. DSTDP is currently working with project areas on converting from hardcopy reporting of summary data to electronic submission of line-listed (i.e., case-specific) data through NETSS. As of 1997, 20 states have been notified to discontinue hardcopy reporting and are sending primary and secondary syphilis, chlamydia and gonorrhea as line-listed extended, electronic data. See Figures A1-A3 in this **Appendix** for type of reporting by state and disease. "Summary" refers to aggregate electronic data. "Case" refers to case-specific, 60-byte core records. "Extended case" refers to case-specific, 60-byte core records plus STD-specific information beyond the core 60-byte record. "Discontinue hardcopy" refers to those states that sent consistent, quality case-extended data and were notified to discontinue hardcopy reporting.

The data used in this report are predominantly based on the summary hardcopy reports. Monthly reports included summary data for syphilis by county and state. Quarterly reports included summary data for syphilis, gonorrhea, chlamydia, and other STDs by gender and source of report (STD clinic or non-STD clinic) for the 50 states, 64 large cities (most with a population over 200,000 in 1980), and outlying areas of the United States. Annual reports included summary data for syphilis, gonorrhea, and chlamydia by age, race, and gender for the 50 states and six large cities. In addition, data on antimicrobial susceptibility in *Neisseria gonorrhoeae* were collected through the Gonococcal Isolate Surveillance Project (GISP), a sentinel system of 26 STD clinics and five laboratories located throughout the United States. Provisional data on syphilis, gonorrhea, and chlamydia reported to CDC weekly by states for inclusion in the *Morbidity and Mortality Weekly Report* were not included in this document.

Areas differ in their ability to resolve differences in total cases derived from hardcopy monthly, quarterly, and annual reports (as well as electronically submitted case-listed data). Thus, depending on the database used, there may be discrepancies in total cases in the tables and figures. In most instances, these discrepancies are less than 5% of total reported cases and

have minimal impact on national total cases and rates. However, for a specific area, the discrepancies may be larger.

Reports and corrections sent to CDC through June 15, 1998 have been included. Those received after this date will appear in subsequent issues. The data in the tables and figures in this document supersede those in all earlier publications.

## Population Denominators and Rate Calculations

Crude incidence rates (new cases/population) were calculated on an annual basis per 100,000 population. For the United States, rates were calculated using Bureau of the Census population estimates for 1981 through 1989 (Bureau of the Census; *United States Population Estimates by Age, Sex and Race: 1980-1989* [Series P-25, No. 1045]; Washington: US Government Printing Office, 1990; and *United States Population Estimates by Age, Sex and Race: 1989* [Series P-25, No. 1057]; Washington: US Government Printing Office, 1990). Rates for states and counties were calculated using published intercensal estimates based on Bureau of the Census population estimates for 1980-1989 (Irwin R; *1980-1989 Intercensal Population Estimates by Race, Sex, and Age*; Alexandria, [VA]: Demo-Detail, 1992; machine-readable data file). Rates for 1990 were calculated using population data from the 1990 census (*Census of Population and Housing, 1990: Summary Tape File 1 (All States)* [machine-readable file]; Washington: Bureau of the Census, 1991), which included information on area (county, state), age (5-year age groups), race (White, Black, Asian/Pacific Islander, American Indian/Alaska Native) and ethnicity (Hispanic). Rates for 1991-1996 were updated from previous issues of this report using postcensal population estimates based on the Bureau of the Census data (U.S. Bureau of the Census; *1991-1996 Estimates of the Population of Counties by Age, Sex and Race/Hispanic Origin: 1990 to 1996*; machine-readable data files). Rates for 1997 use population estimates for 1996.

Many cities do not have a separate health jurisdiction that collects and reports cases of STDs. For these cities, case numbers and crude incidence rates are equal to those of the county or counties in which the city is located. For the remaining cities, incidence rates were calculated by using population estimates based on the Bureau of the Census (Irwin R, see above) and a marketing survey (Market Statistics, Inc; *Sales and Marketing Management*; New York: Bill Communications, Inc, August 1989).

1980-1988 population estimates for areas outside the United States were obtained from the Bureau of the Census (Bureau of the Census; population estimates for Puerto Rico and the outlying areas: 1980 to 1988; *Current Population Reports* [Series P-25, No. 1049]; Washington: US Government Printing Office, 1989). After 1988, population estimates for outlying areas were obtained directly from the health departments in these areas. For Puerto Rico, population estimates for 1996 and 1997 were based on 1995 population estimates. For the Virgin Islands, rates for 1993-1997 were based on 1992 population estimates, and for Guam, rates for 1991-1997 were based on 1990 population estimates.

The percentage of cases for which race/ethnicity and age were unknown or unspecified differed considerably by year and area. States were excluded from analysis if race/ethnicity and age were not reported for the majority of cases. Otherwise, if race/ethnicity or age was unknown or unspecified, cases were distributed according to the distribution of cases for which these data were available. In this edition, 1981 through 1997 age- and race-specific rates (for

chlamydia (1996-97 only), gonorrhea, and syphilis in the **National Profile, Special Focus Profiles and Detailed Tables** are calculated from estimates based on this redistribution.

Rates of congenital syphilis for 1989-1997 were calculated using live births from the National Center for Health Statistics (NCHS) (Vital Statistics: Natality Tapes 1989-1995 or Vital Statistics Reports, United States 1997, Vol. 45 No.6--Natality). Race-specific rates for 1996-1997 were calculated using live births for 1995. Rates before 1989 were calculated using published live birth data (NCHS; Vital Statistics Report, United States, 1988 [Vol.1--Natality]).

## **Case Definitions and Reporting Practices**

Although most areas generally adhere to the case definitions for STDs found in *Case Definitions for Infectious Conditions Under Public Health Surveillance* (MMWR 1997;46(RR-10):1-56), there are differences between individual areas in case definitions as well as in the policies and systems for collecting surveillance data. Thus, comparisons of case numbers and rates between areas should be interpreted with caution. However, since case definitions and surveillance activities within a given area remain relatively stable, trends should be minimally affected. In many areas, reporting from publicly supported institutions (e.g., STD clinics) was more complete than from other sources (e.g., private practitioners). Thus, the trends may not be representative of all segments of the population. Military cases are not reported as a separate category.

## **Reporting of Congenital Syphilis Cases**

In 1989, a new surveillance case definition for congenital syphilis was introduced. The new case definition has greater sensitivity than the former definition. In addition, many areas greatly enhanced active case finding for congenital syphilis during this time. For these reasons, the number of reported cases increased dramatically during 1989-1991. As is true of any change, a period of transition during which trends cannot be clearly interpreted has resulted; however, all reporting areas had implemented the new case definition for reporting all cases of congenital syphilis after January 1, 1992. Therefore, the reliability of trends is expected to have stabilized after this date.

In addition to changing the case definition, CDC introduced a new data collection form (CDC 73.126) in 1990. Beginning with 1995, the data collected on this form are used for reporting congenital syphilis reported cases and associated rates. This form collects individual case information which allows more thorough analysis of cases. For the purposes of these analyses if either the race or ethnicity question was answered, the case was included. For example, if "white" race was marked, but ethnicity was left blank, the individual was counted as "non-Hispanic white".

## **Reporting of Gonorrhea Cases**

In 1994, Georgia reported gonorrhea cases to CDC for only part of a year. Therefore, Georgia cases and population were excluded from gonorrhea figures and tables for 1994. The city of Atlanta was also excluded from city gonorrhea figures and tables for 1994.

## **Reporting of Chlamydia Cases**

In 1997, New York was the only state that did not yet have laws or policies for uniform reporting of *Chlamydia trachomatis* cases. Chlamydia cases for New York were exclusively based on cases reported by New York City (i.e., no cases were reported outside of New York

City). When calculating U.S. total rates, the population denominators were adjusted to include only the New York City population. Trends in many areas were more representative of increases in reporting of cases rather than actual trends in disease. Cases and rates of chlamydia reported in gender-specific tables are underestimated due to some reported cases with unknown gender. Despite problems with under-reporting, it is important to publish the data to emphasize the large numbers of cases of chlamydia being detected in the United States. As areas develop chlamydia prevention and control programs, including improved surveillance systems to monitor trends, the data should improve and become more representative of true trends in disease.

Chlamydia test positivity was calculated by dividing the number of women testing positive for chlamydia (numerator) by the total number of women tested for chlamydia (denominator) and was expressed as a percentage. While not common, the denominator may contain multiple tests from the same individual if that person was tested more than once during a year. Various chlamydia test methods were used and no adjustments of test positivity were made based on test type. Chlamydia testing data for region- and state-specific figures were published with permission from the HHS Regional Infertility Prevention Programs, selected state STD prevention programs, and the Job Corps, U.S. Department of Labor. Health and Human Services (HHS) regions are as follows: Region I=Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; Region II=New Jersey, New York, Puerto Rico, and U.S. Virgin Islands; Region III=Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia; Region IV=Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee; Region V=Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin; Region VI=Arkansas, Louisiana, New Mexico, Oklahoma, and Texas; Region VII=Iowa, Kansas, Missouri, and Nebraska; Region VIII=Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming; Region IX=Arizona, California, Guam, Hawaii, and Nevada; and Region X=Alaska, Idaho, Oregon, and Washington.

## Other Data Sources

The information on the number of initial visits to private physicians' offices for sexually transmitted diseases was based on analysis of data from the National Disease and Therapeutic Index (NDTI) (machine-readable files or summary statistics for years 1966-1997). For more information on this database, contact IMS America, Ltd., 660 West Germantown Pike, Plymouth Meeting, PA 19462; Telephone: (610) 834-5000.

The information on patients hospitalized for pelvic inflammatory disease or ectopic pregnancy was based on analysis of data from the National Hospital Discharge Survey (machine-readable files for years 1980-1995), an ongoing nationwide sample survey of short-stay hospitals in the United States, conducted by the National Center for Health Statistics. For more information, see Graves EJ; 1988 Summary: National Hospital Discharge Survey; Advance data No. 185; Hyattsville (MD): National Center for Health Statistics, 1990. The National Hospital Ambulatory Medical Care Survey (NHAMCS-ER) (machine-readable files for 1995-1996) was used to obtain estimates of the number of emergency room visits for pelvic inflammatory disease among women ages 15 to 44. Data on HSV-2 seroprevalence among the non-institutionalized U.S. population were obtained from the National Health and Nutrition Examination Survey (NHANES). The estimates generated using these data sources (NHDS, NHAMCS, and NHANES) are based on statistical surveys and therefore have sampling variability associated with the estimates.

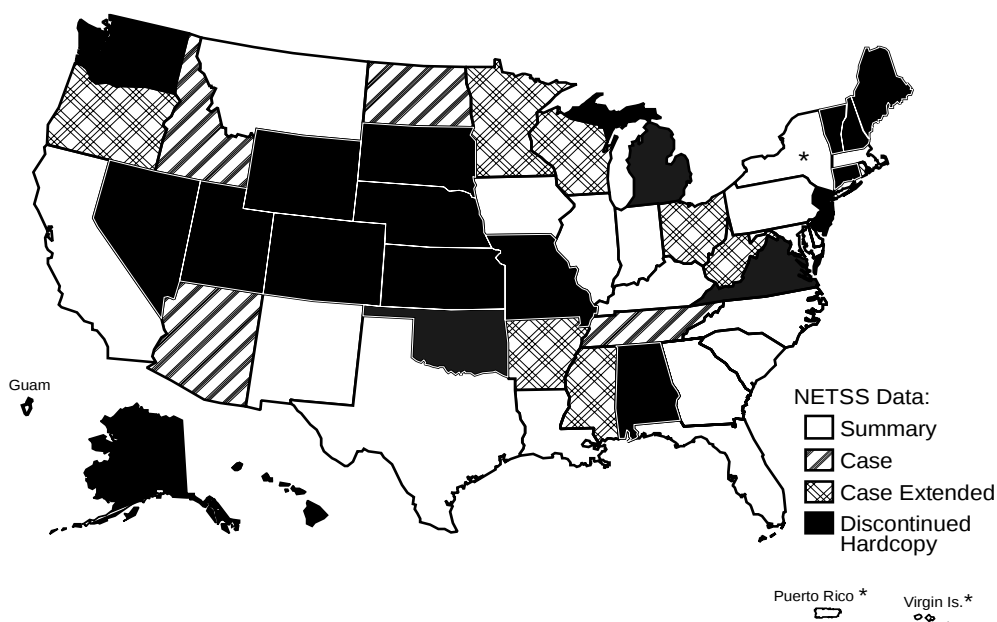
## Healthy People Year 2000 Revisions

In 1995, the Healthy People year 2000 objectives were revised<sup>1</sup>. The year 2000 objectives for the diseases in this report were revised as follows: primary and secondary syphilis--10 per 100,000 population to 4; congenital syphilis--50 per 100,000 livebirths to 40; and gonorrhea --225 per 100,000 population to 100.

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<sup>1</sup>Department of Health and Human Services. *Healthy People 2000: Midcourse Review and 1995 Revisions*. U.S. Department of Health and Human Services, Public Health Service. U.S. Government Printing Office, Washington, D.C., 1995.

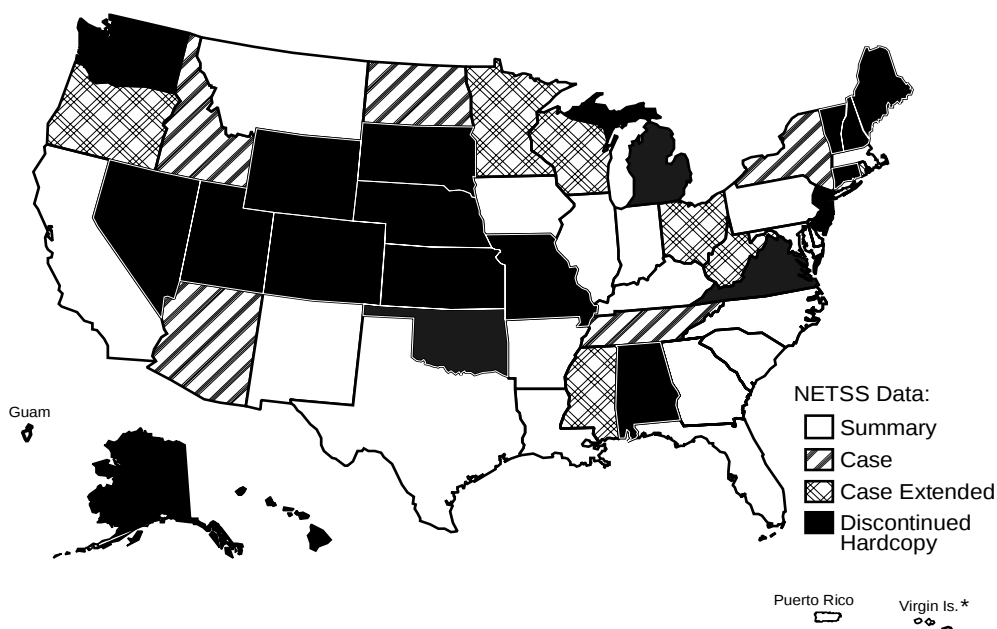
**Figure A1. Chlamydia — National electronic telecommunications surveillance system (NETSS) transmission status by state, 1997**



\*Upstate New York (New York City reports summary chlamydia records to NETSS), Washington, DC, Puerto Rico and Virgin Islands did not report.

Note: Unless noted, large city projects transmit records in the same format as states. San Francisco, CA project reports case extended chlamydia records to NETSS.

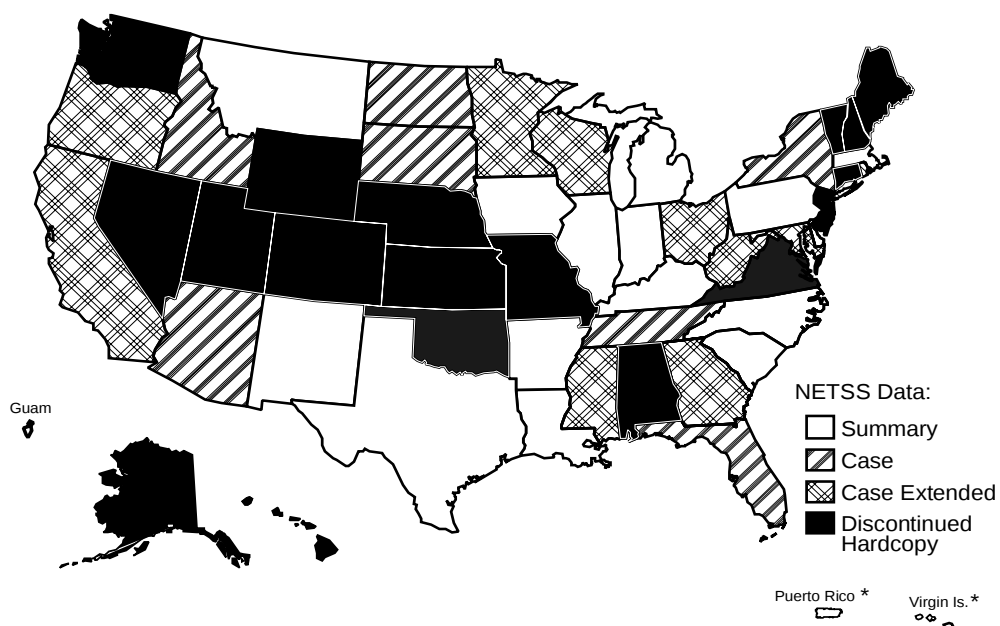
**Figure A2. Gonorrhea — National electronic telecommunications surveillance system (NETSS) transmission status by state, 1997**



\* Virgin Islands did not report.

Note: Unless noted, large city projects transmit records in the same format as states. San Francisco, CA project reports case extended gonorrhea records to NETSS. New York City and Washington, DC projects report summary gonorrhea records to NETSS.

**Figure A3. Primary and secondary syphilis — National electronic telecommunications surveillance system (NETSS) transmission status by state, 1997**



\*Puerto Rico and Virgin Islands did not report.

Note: Unless noted, large city projects transmit records in the same format as states. Los Angeles, CA project reports summary syphilis records to NETSS.

**Table A1. Healthy People 2000 Sexually Transmitted Diseases Objective Status**

[illegible]

**Table A1. Healthy People 2000 Sexually Transmitted Diseases Objective Status (continued)**

| <i>Healthy People 2000 Objective</i>                                          | <i>Baseline Year</i> | <i>Baseline</i>  | <i>1990</i> | <i>1991</i> | <i>1992</i> | <i>1993</i> | <i>1994</i> | <i>1995</i>      | <i>1996</i> | <i>1997</i> | <i>Target 2000</i> |
|-------------------------------------------------------------------------------|----------------------|------------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|-------------|--------------------|
| In-school males                                                               | ...                  | ---              | 73%         | 68%         | ---         | 68%         | ---         | 65%              | ---         | ---         | ...                |
| b. All black males                                                            | 1988                 | 90%              | ---         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | 40%                |
| In-school non-Hispanic black males                                            | ...                  | ---              | ---         | 90%         | ---         | 92%         | ---         | 88%              | ---         | ---         | ...                |
| c. All black females (15-17 years)                                            | 1988                 | 66%              | ---         | ---         | ---         | ---         | ---         | <sup>4</sup> 48% | ---         | ---         | 40%                |
| In-school non-Hispanic black females                                          | ...                  | ---              | ---         | 84%         | ---         | 80%         | ---         | 75%              | ---         | ---         | ...                |
| <b>19.10* Condom use at last sexual intercourse</b>                           |                      |                  |             |             |             |             |             |                  |             |             |                    |
| Sexually active unmarried females 15-44 years (by their partners)             | 1988                 | 19%              | ---         | ---         | ---         | ---         | ---         | 25%              | ---         | ---         | 50%                |
| a. Sexually active females 15-19 years (by their partners)                    | 1988                 | 26%              | ---         | ---         | ---         | ---         | ---         | 37%              | ---         | ---         | 60%                |
| Sexually active females 15-19 years in grades 9-12 (by their partners)        | ...                  | ---              | 40%         | 38%         | ---         | 46%         | ---         | 49%              | ---         | ---         | ...                |
| b. Sexually active males 15-19 years                                          | 1988                 | 57%              | ---         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | 75%                |
| Sexually active males 15-19 years in grades 9-12                              | ...                  | ---              | 49%         | 54%         | ---         | 59%         | ---         | 61%              | ---         | ---         | ...                |
| c. Injecting drug users                                                       | 1992                 | <sup>5</sup> 34% | ...         | ...         | ...         | ---         | ---         | ---              | ---         | ---         | 75%                |
| d. Black females 15-44 years (by their partners)                              | 1988                 | 12.4%            | ---         | ---         | ---         | ---         | ---         | <sup>4</sup> 25% | ---         | ---         | 75%                |
| <b>19.11* Clinic services for HIV and other sexually transmitted diseases</b> |                      |                  |             |             |             |             |             |                  |             |             |                    |
| Family planning clinics                                                       | 1989                 | 40%              | ---         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | 50%                |
| Title X funded family planning clinics                                        | ...                  | ---              | ---         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| STD testing (excluding HIV)                                                   | ...                  | ---              | ---         | ---         | ---         | ---         | 95.1%       | ---              | ---         | ---         | ...                |
| STD counseling (excluding HIV)                                                | ...                  | ---              | ---         | ---         | ---         | ---         | 97.8%       | ---              | ---         | ---         | ...                |
| STD treatment (excluding HIV)                                                 | ...                  | ---              | ---         | ---         | ---         | ---         | 92.7%       | ---              | ---         | ---         | ...                |
| Gonorrhea                                                                     |                      |                  |             |             |             |             |             |                  |             |             |                    |
| Client testing <sup>6</sup>                                                   | ...                  | ---              | 97%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Client treatment                                                              | ...                  | ---              | 82%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Partner notification <sup>7</sup>                                             | ...                  | ---              | 23%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Partner testing                                                               | ...                  | ---              | 60%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Partner treatment                                                             | ...                  | ---              | 62%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Syphilis                                                                      |                      |                  |             |             |             |             |             |                  |             |             |                    |
| Client testing <sup>6</sup>                                                   | ...                  | ---              | 86%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Client treatment                                                              | ...                  | ---              | 48%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Partner notification <sup>7</sup>                                             | ...                  | ---              | 29%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Partner testing                                                               | ...                  | ---              | 57%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Partner treatment                                                             | ...                  | ---              | 40%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Chlamydia                                                                     |                      |                  |             |             |             |             |             |                  |             |             |                    |
| Client testing <sup>6</sup>                                                   | ...                  | ---              | 66%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Client treatment                                                              | ...                  | ---              | 73%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Partner notification <sup>7</sup>                                             | ...                  | ---              | 15%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Partner testing                                                               | ...                  | ---              | 29%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| Partner treatment                                                             | ...                  | ---              | 50%         | ---         | ---         | ---         | ---         | ---              | ---         | ---         | ...                |
| HIV                                                                           |                      |                  |             |             |             |             |             |                  |             |             |                    |
| Client pretest counseling                                                     | ...                  | ---              | 66%         | ---         | ---         | ---         | 81.8%       | ---              | ---         | ---         | ...                |
| Client testing                                                                | ...                  | ---              | 60%         | ---         | ---         | ---         | 73.5%       | ---              | ---         | ---         | ...                |

**Table A1. Healthy People 2000 Sexually Transmitted Diseases Objective Status (continued)**

| Healthy People 2000 Objective                                                                         | Baseline |          | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | Target<br>2000 |
|-------------------------------------------------------------------------------------------------------|----------|----------|------|------|------|------|------|------|------|------|----------------|
|                                                                                                       | Year     | Baseline |      |      |      |      |      |      |      |      |                |
| <b>19.12* HIV and other STD education curricula in schools</b>                                        | 1988     | 95%      | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | 95%            |
| Proportion of middle and senior high schools                                                          |          |          |      |      |      |      |      |      |      |      |                |
| HIV prevention included in required courses                                                           | ...      | ---      | ---  | ---  | ---  | ---  | 86%  | ---  | ---  | ---  | ...            |
| STD prevention included in required courses                                                           | ...      | ---      | ---  | ---  | ---  | ---  | 84%  | ---  | ---  | ---  | ...            |
| <b>19.13 Correct management of sexually transmitted disease cases by primary care providers</b>       | 1988     | 70%      | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | 90%            |
| <b>19.14* Clinician counseling to prevent HIV and other sexually transmitted diseases<sup>8</sup></b> | 1987     | 10%      | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | 75%            |
| Percent of clinicians routinely providing service to 81-100% of patients                              |          |          |      |      |      |      |      |      |      |      |                |
| a. Providers practicing in high incidence areas                                                       | ...      | ---      | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | 90%            |
| b. Family physicians                                                                                  | 1992     | 27%      | ...  | ...  | ...  | ---  | ---  | ---  | ---  | ---  | 75%            |
| c. Internists                                                                                         | 1992     | 30%      | ...  | ...  | ...  | ---  | ---  | ---  | ---  | ---  | 75%            |
| d. Nurse practitioners                                                                                | 1992     | 50%      | ...  | ...  | ...  | ---  | ---  | ---  | ---  | ---  | 75%            |
| e. Obstetricians/gynecologists                                                                        | 1992     | 46%      | ...  | ...  | ...  | ---  | ---  | ---  | ---  | ---  | 75%            |
| f. Pediatricians                                                                                      | 1992     | 46%      | ...  | ...  | ...  | ---  | ---  | ---  | ---  | ---  | 75%            |
| g. Mental health care providers                                                                       | ...      | ---      | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | 75%            |
| <b>19.15 Partner notification of exposure to sexually transmitted diseases</b>                        |          |          |      |      |      |      |      |      |      |      |                |
| Patients with bacterial sexually transmitted diseases                                                 | 1988     | 20%      | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | 50%            |
| <b>19.16* Adolescent abstinence from sexual intercourse for previous 3 months</b>                     |          |          |      |      |      |      |      |      |      |      |                |
| All sexually active females 15-17 years                                                               | 1988     | 23.6%    | ---  | ---  | ---  | ---  | ---  | 27%  | ---  | ---  | 40%            |
| In-school sexually active females 15-17 years                                                         | ...      | ---      | 24%  | 25%  | ---  | 25%  | ---  | 23%  | ---  | ---  | ...            |
| All sexually active males 15-17 years                                                                 | 1988     | 33%      | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  | 40%            |
| In-school sexually active males 15-17 years                                                           | ...      | ---      | 30%  | 36%  | ---  | 33%  | ---  | 34%  | ---  | ---  | ...            |
| <b>19.17* HIV and STD education for students at colleges and universities</b>                         |          |          |      |      |      |      |      |      |      |      |                |
| Students given:                                                                                       |          |          |      |      |      |      |      |      |      |      |                |
| AIDS or HIV infection prevention information                                                          | 1995     | 49.1%    | ...  | ..   | ...  | ...  | ...  | ...  | ---  | ---  | 90%            |
| STD prevention information                                                                            | 1995     | 43.4%    | ...  | ...  | ...  | ...  | ...  | ...  | ---  | ---  | 90%            |
| Students taught about AIDS or HIV in a college class                                                  | 1995     | 41.4%    | ..   | ...  | ...  | ...  | ...  | ...  | ---  | ---  | 90%            |

---Data not available.

...Category not applicable.

<sup>a</sup>Baseline has been revised.

<sup>1</sup>As measured by first-time visits to physicians' offices.

<sup>2</sup>1989 data.

<sup>3</sup>Data are provisional.

<sup>4</sup>Data are for non-Hispanic black females.

**Table A1. Healthy People 2000 Sexually Transmitted Diseases Objective Status (continued)**

<sup>5</sup>Data are for male and female injecting drug users (married and unmarried) who report having vaginal sex within the last six months and reported using a condom "always" or "sometimes."

<sup>6</sup>Includes testing at initial visit, at annual visit, or if symptomatic.

<sup>7</sup>By family planning clinic staff via telephone or mail.

<sup>8</sup>Data are for new patients.

NOTE: Data include revisions and, therefore, may differ from data previously published in these reports and other publications.

**Data Sources**

| Objective number | Data source                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19.1,19a-c       | Sexually Transmitted Disease Surveillance System, CDC, NCHSTP.                                                                                                                                                                                                                                                                                                                                                                            |
| 19.2             | Sexually Transmitted Disease Surveillance System, CDC, NCHSTP.                                                                                                                                                                                                                                                                                                                                                                            |
| 19.3, 19.3a      | Sexually Transmitted Disease Surveillance System, CDC, NCHSTP.                                                                                                                                                                                                                                                                                                                                                                            |
| 19.4             | Sexually Transmitted Disease Surveillance System, CDC, NCHSTP.                                                                                                                                                                                                                                                                                                                                                                            |
| 19.5             | National Disease and Therapeutic Index, IMS America, Ltd.                                                                                                                                                                                                                                                                                                                                                                                 |
| 19.6, 19.6a-b    | For hospitalizations, National Hospital Discharge Survey, CDC, NCHS.<br>For number of visits, National Disease and Therapeutic Index, IMS America, Ltd.                                                                                                                                                                                                                                                                                   |
| 19.7*            | Viral Hepatitis Surveillance System, CDC, NCID.                                                                                                                                                                                                                                                                                                                                                                                           |
| 19.8             | Gonococcal Isolate Surveillance Project, CDC, NCHSTP.                                                                                                                                                                                                                                                                                                                                                                                     |
| 19.9*            | Baseline and update for all females and all black females: National Survey of Family Growth, CDC, NCHS.<br>Baseline and update for all males and all black males: National Survey of Adolescent Males (NSAM), NIH, NICHD.<br>1990 Data for in-school females and males: National School-based Youth Risk Behavior Survey, CDC, NCCDPHP.<br>1991-95 Data for in-school females and males: Youth Risk Behavior Survey (YRBS), CDC, NCCDPHP. |
| 19.10*, 19.10d   | National Survey of Family Growth, CDC, NCHS.                                                                                                                                                                                                                                                                                                                                                                                              |
| 19.10a           | Baseline: National Survey of Family Growth, CDC, NCHS.<br>1990 Update: National School-based Youth Risk Behavior Survey, CDC, NCCDPHP.<br>1991-95 Updates: Youth Risk Behavior Survey, CDC, NCCDPHP.                                                                                                                                                                                                                                      |
| 19.10b           | Baseline: National Survey of Adolescent Males, NIH, NICHD.<br>1990 Update: National School-based Youth Risk Behavior Survey, CDC, NCCDPHP.<br>1991-95 Updates: Youth Risk Behavior Survey, CDC, NCCDPHP.                                                                                                                                                                                                                                  |
| 19.10c           | National AIDS Demonstration Research Program, NIH, NIDA.                                                                                                                                                                                                                                                                                                                                                                                  |
| 19.11*           | Baseline: State Family Planning Directors.<br>1990 Updates: National Questionnaire on Provision of STD and HIV Services by Family Planning Clinics, PHS, OPA.<br>1994 Updates: The Urban Institute. Family planning clinics: Current status and recent changes in services, clients, staffing, and income sources. March 1994.                                                                                                            |
| 19.12*           | 1988 Data: AIDS education: Public school programs require more student information and teacher training, GAO, 1990.<br>1994 Baseline: School Health Policies and Programs Study, CDC, NCCDPHP.                                                                                                                                                                                                                                            |
| 19.13            | National Disease and Therapeutic Index, IMS America, Ltd.                                                                                                                                                                                                                                                                                                                                                                                 |
| 19.14*           | 1987 Baseline: Sexual history-taking and counseling practices of primary care physicians, Lewis CE and Freeman HE. Western Journal of Medicine, 147: 165-7. 1987.<br>1992 Baselines: Primary Care Provider Surveys, OASH, ODPHP.                                                                                                                                                                                                          |
| 19.15            | Sexually Transmitted Disease Surveillance System, CDC, NCPS.                                                                                                                                                                                                                                                                                                                                                                              |
| 19.16*           | Baseline and update for all females: National Survey of Family Growth, CDC, NCHS;<br>Baseline for all males: National Survey of Adolescent Males, NIH, NICHD.<br>Data for in-school males and females for 1990: National School-based Youth Risk Behavior Survey, CDC, NCCDPHP.<br>1991-95 Updates: Youth Risk Behavior Survey, CDC, NCCDPHP.                                                                                             |
| 19.17*           | College Youth Risk Behavior Survey, CDC, NCCDPHP.                                                                                                                                                                                                                                                                                                                                                                                         |

\*Duplicate objective.

## STD Project Directors, STD Program Managers, and State and Territorial Epidemiologists

We gratefully acknowledge the contributions of state STD project directors, STD program managers, and state and territorial epidemiologists to this report. The persons listed were in the positions shown as of August 27, 1998.

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| Utah                               | Craig R. Nichols, M.P.A.           | Cristie Chesler                | Craig R. Nichols, M.P.A.                    |
| Vermont                            | Peter D. Galbraith, D.M.D., M.P.H. | Marilyn Richards               | Peter D. Galbraith, D.M.D., M.P.H.          |
| Virginia                           | Vacant                             | Casey Riley                    | Suzanne R. Jenkins, V.M.D., M.P.H.          |
| Washington                         | Larry Klopfenstein                 | Larry Klopfenstein             | Paul Stehr-Green, Dr.P.H., M.P.H.           |
| West Virginia                      | Loretta E. Haddy, M.S., M.A.       | Robert Johnson                 | Loretta E. Haddy, M.S.                      |
| Wisconsin                          | Jerald L. Young, M.P.H.            | Anthony Wade                   | Jeffrey P. Davis, M.D.                      |
| Wyoming                            | Jimm Murray                        | Roger Burr                     | Gayle L. Miller, D.V.M., M.P.H.             |
| American Samoa                     | Joseph Tufa, M.D.                  | Tai Ripley, R.N.               | Edgar C. Reid, D.S.M., M.P.H.               |
| Federated States of Micronesia     | Eliuel K. Pretrick, M.O., M.P.H.   | Kidsen K. Iohp, M.P.H.         | Jean Paul Chaine                            |
| Government of the Marshall Islands | Donald F. Copelle                  | Peter Bien                     | Tom D. Kijiner                              |
| Guam                               | Dennis Rodriguez                   | Josie O'Mallen                 | Robert L. Haddock, D.V.M., M.P.H.           |
| Puerto Rico                        | Janice Ferrer, M.D.                | Nelson Colon-Cartagena         | Carmen Deseda, M.D.                         |
| Republic of Palau                  | Anthony Pollai, M.D.               | Caleb T. Otto, M.D.            | Jill McCready, M.S., M.P.H.                 |
| Virgin Islands                     | Jose Poblete, M.D.                 | Stanley Phillips               | Jose Poblete, M.D.                          |