

# Indian Health Surveillance Report

## Sexually Transmitted Diseases 2011



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention  
Indian Health Service



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### **Additional Data**

Additional AI/AN health status information can be obtained from the IHS Division of Program Statistics ([http://www.ihs.gov/NonMedicalPrograms/IHS\\_Stats/](http://www.ihs.gov/NonMedicalPrograms/IHS_Stats/)) or from the IHS Division of Epidemiology and Disease Prevention (<http://www.ihs.gov/MedicalPrograms/Epi/>).

Additional STD data can be obtained from the CDC Division of STD Prevention (<http://www.cdc.gov/std/stats>).

The online version of this report is available at <http://cdc.gov/std/stats>.

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention

Indian Health Service

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# Preface

Indian Health Surveillance Report – Sexually Transmitted Diseases 2011 presents statistics and trends for sexually transmitted diseases (STDs) among American Indians and Alaska Natives (AI/AN) in the United States (U.S.). The initial Indian Health Service Surveillance Report – Sexually Transmitted Diseases, containing data through 2004, was published in November 2006.

This report represents a unique collaboration and partnership between the Centers for Disease Control and Prevention (CDC) and the Indian Health Service (IHS). AI/AN-specific data provided in this report presents existing nationally notifiable STD data reported to CDC that is analyzed using standard IHS populations and methods.

The Indian Health Surveillance Report–Sexually Transmitted Diseases 2011 consists of two main parts: the National STD Profile (2006-2011) contains text and figures that provide an overview of STD morbidity among AI/AN in the U.S.; the IHS Area STD Profiles (2002-2011) present STD rates and trends for the 12 IHS administrative areas.

The surveillance methodology used in this report has served as a model and framework for analyzing AI/AN specific data for other nationally notifiable diseases (e.g. hepatitis, tuberculosis) and for other priority health conditions (e.g. cancer, diabetes, mental health). Such reports are essential for increasing the accessibility and quality of AI/AN health data and play an important role in monitoring disease trends, identifying at-risk populations, and guiding interventions and resources.

Any comments and suggestions that might improve the usefulness of future publications are welcomed and can be sent to the IHS Division of Program Statistics at [IHSStatsHelp@ihs.gov](mailto:IHSStatsHelp@ihs.gov).

## Acknowledgements

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

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# Background

## Rationale for this Report

American Indian and Alaska Native (AI/AN) health data published by the Indian Health Service (IHS) primarily focus on population estimates, natality/mortality, health care finance, and patient care utilization.<sup>1,2</sup> AI/AN data specific to STDs and other nationally notifiable diseases are limited. Yet, these diseases represent a significant burden on the IHS health care system and on AI/AN people as a whole.

In 2011, among all races and ethnicities, AI/AN had the second highest rates of chlamydia and gonorrhea and the third highest rates of primary and secondary syphilis (P&S).<sup>3</sup> Improved awareness of these health disparities, through the publication and dissemination of an AI/AN specific STD surveillance report, may lead to increased funding, resources, and research activities in AI/AN communities. The Centers for Disease Control and Prevention (CDC) and IHS collaborated to develop and initiate such a report.<sup>4</sup> This report is meant to serve as a reference document for those working in Indian Country and others who are concerned with the public health implications of these diseases on AI/AN populations.

## IHS Organization

IHS, a federal agency within the U.S. Department of Health and Human Services (HHS), is responsible for providing health services to AI/AN people. The mission of IHS, in partnership with AI/AN people, is to raise their physical, mental, social, and spiritual health to the highest level.

IHS is comprised of 12 regional administrative units called Area Offices or IHS Areas. These IHS Areas include all or parts of 35 states. Within each IHS Area, health care facilities may be operated directly by IHS or may be operated by individual tribes (directly or through several forms of contracted services). Based on 2011 IHS service population estimates, the largest IHS Area is the Oklahoma City Area, which is home to 37 tribes and a population of 388,412; the smallest IHS Area is the Tucson Area, which is home to 2 tribes and a population of 38,624.<sup>5</sup>

## CDC Organization

CDC is also an agency within HHS. The primary mission of CDC is to promote health and quality of life and to prevent and control disease, injury, and disability. CDC is comprised of 15 major organizational units, which are largely managed through 5 overarching offices: the Office of Infectious Diseases; the Office of Noncommunicable Diseases, Injury and Environmental Health; the Office of Public Health Preparedness and Response; the Office for State, Tribal, Local and Territorial Support; and the Office of Public Health Scientific Services. The Division of STD Prevention is housed at the National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, a center within the Office of Infectious Diseases.

# Data Source and Limitations

Nationally notifiable disease data, including data for STDs, are submitted to CDC from state health departments (and other local reporting jurisdictions) and are stored at the Office of Public Health Scientific Services (OPHSS). In 2011, there were over 60 nationally notifiable infectious diseases and conditions.<sup>6</sup> Surveillance data for notifiable STDs are electronically sent from OPHSS to the Division of STD Prevention (DSTDP), comprising the National Notifiable Disease Surveillance System (NNDSS).

## Numerators: Incident STD Cases Reported to CDC

All of the STD data in this report are based on cases of nationally notifiable STDs reported to CDC from the STD control programs and health departments in the 50 states, and the District of Columbia (DC). In aggregate, the STD cases reported from all of these jurisdictions are used when calculating U.S. rates. STD data from U.S. dependencies and territories (e.g., Guam, Puerto Rico, Virgin Islands) are not included in the U.S. rates or for all other rates used in this report.

AI/AN rates (as shown in the National STD Profile section) are based on STD cases which occurred among persons identified as AI/AN residing in all jurisdictions. In contrast, IHS rates (as shown in the IHS Area STD Profiles) are based on a subset of all AI/AN STD cases. The IHS rates include only STD cases which occurred among AI/AN residing in counties where IHS provides services or resources (see the IHS Denominators section on page 9 for further details); these STD cases may or may not have been diagnosed in IHS, tribal, or urban Indian healthcare facilities. These definitions of AI/AN rates and IHS rates are used consistently throughout this publication.

## STD Data Sources and Reporting Formats

As of December 31, 2003, all 50 states and DC have submitted line-listed (i.e., case-specific) STD data via the National Electronic Telecommunications System for Surveillance (NETSS). Data reported through NETSS comprise the notifiable disease information that is published in the Morbidity and Mortality Weekly Report (MMWR).

The data presented in the National STD Profile are from NNDSS and are based on NETSS electronic data. The IHS specific data presented in the IHS Area STD Profiles also come from NETSS STD datasets which contain both race and county variables required to determine which cases are AI/AN and to assign cases to the appropriate IHS Area (based on the patient's county of residence).

The 2011 case reports and corrections sent to CDC through June 7, 2012, have been included in this report. Data and corrections received after this date will appear in subsequent issues and updates. The data presented in the figures and tables in this report supersede those in all earlier publications.

## Adjustments to CDC STD Data

Prior to the publication of the CDC's *Sexually Transmitted Disease Surveillance 2010*, when the percentage of unknown, missing, or invalid values for age group, race/ethnicity, and sex exceeded 50% for any state, the state's incidence and population data were excluded from the tables that presented data stratified by one or more of these variables. For the states for which 50% or more of their data were valid for age group, race/ethnicity, and sex, the values for unknown, missing, or invalid data were redistributed on the basis of the state's distribution of known age group, race/ethnicity, and sex data.

Beginning with the publication of *Sexually Transmitted Disease Surveillance 2010*, redistribution methodology is not applied to any of the data. The counts presented in this report are summations of all valid data reported in reporting year 2011. As a result, rate data that are stratified by one or more of these variables reflect rates based on reported data only. Subsequently, data from this report cannot be compared to that in prior reports where this adjustment was made.

## Population Denominators and Rate Calculations

Crude incidence rates (new cases/population) were calculated on an annual basis per 100,000 population. In this report, the 2011 rates for the U.S., IHS, and individual IHS Areas were calculated by dividing the number of cases reported from each area in 2011 by corresponding 2010 population estimates. For subsequent reports, the 2011 rates will be updated using 2011 population figures. For all other years, rates were calculated by dividing annual cases by the population estimate for the corresponding year (e.g. 2006 cases divided by 2006 population). Specifics on population denominators used in this report are detailed below.

### U.S. Denominators

For years 2000-2011, rates were calculated using the Census 2000 bridged-Race file developed by the Census Bureau and the National Center for Health Statistics (NCHS). Census 2000 was the first census to allow for racial identification as either a single race or in combination with other races; consequently, the Census 2000 data on race are not directly comparable with data from the 1990 census or earlier censuses. To address this inconsistency, NCHS and the Census Bureau developed the Census 2000 bridged-race file,<sup>7</sup> which bridges the 31 race categories specified in the 1997 Office of Management and Budget (OMB) standards (used in Census 2000) with the 4 race categories specified under 1977 OMB standards (used in the 1980 and 1990 censuses).<sup>8</sup>

### AI/AN Denominators (National STD Profile)

National AI/AN rates, like U.S. rates, were calculated using national-level census population estimates. For 1990-2011, rates were calculated based on estimates of identified AI/AN in the Census 2000 bridged-race file.<sup>7</sup>

### IHS Denominators (IHS Area STD Profiles)

Population denominators used to calculate IHS rates are based on estimates of AI/AN identified to be eligible for IHS services (i.e. the **IHS eligible population**).

IHS eligible population estimates are unique to this publication and are based on official county estimates from the Census 2000 bridged-race file.<sup>7</sup> The Census Bureau enumerates those individuals who self-identify as being AI/AN. The IHS eligible population is estimated by counting those AI/AN (as self-identified during the Census) who reside in specified counties in which IHS provides services or resources (“on or near” reservations). Within IHS, these counties are commonly referred to as contract health service delivery areas (CHSDAs) or service counties. In 2011, there were 625 service counties in 35 states; the current listing of service counties can be obtained by contacting IHS Division of Program Statistics (DPS) at [IHSStatsHelp@ihs.gov](mailto:IHSStatsHelp@ihs.gov) or accessing the Federal Register of June 21, 2007.<sup>10</sup>

# Data Source and Limitations

Based on current IHS service counties, the estimated overall 2011 IHS eligible population is 2.19 million persons, comprising 75% of all AI/AN residing in the U.S. This population may or may not access IHS services.

IHS eligible population estimates are similar, but not identical, to IHS service population estimates, which are official IHS population counts referenced in IHS publications<sup>1,2</sup> and used by IHS when calculating AI/AN natality/mortality rates and other health statistics. In contrast to IHS eligible population estimates, IHS service population estimates are further adjusted using an intercensal smoothing process based on the most current 10 years of AI/AN natality and mortality data. This adjustment results in small differences between the IHS eligible and IHS service population estimates. (Appendix A) Overall, in 2011, IHS eligible population estimates were 8.1% higher than IHS service population estimates (2,194,164 vs. 2,016,143 respectively). For individual IHS Areas, IHS eligible population estimates (when compared to IHS service population estimates) ranged from 36.7% higher in the California Area to 43.2% lower in the Navajo Area.

Populations and population rankings shown in the individual Area IHS profiles are based on the official IHS service population. A population rank of 1 has the largest population; a rank of 12 has the smallest. Rates in the Area IHS profile graphs and tables use IHS eligible populations in order to compute rates by sex and age for each area.

## Healthy People 2020 Objectives

In December 2010, CDC released Healthy People 2020, a set of health objectives for the U.S. to achieve over the second decade of the new century.<sup>11</sup> Healthy People 2020 provide a framework for program planning and development and establish benchmarks for measuring program performance. The year 2020 targets for the diseases addressed in this report are: gonorrhea (age 15-44 years) — 194.8 cases per 100,000 population males, 251.9 cases per 100,000 population females, and primary and secondary syphilis—6.7 cases per 100,000 population males and 1.3 cases per 100,000 females.

## Data Limitations and Clarifications

### AI/AN and Hispanic Ethnicity

IHS-specific races shown in the IHS Area Profiles section of this report are based on case reports and population estimates for all individuals identified as AI/AN, including AI/AN Hispanics and AI/AN non-Hispanics. This methodology is consistent with current practices at IHS DPS.

In contrast, AI/AN STD rates shown in the National STD Profile and as published in the annual CDC STD Surveillance Report include case reports and population estimates only for AI/AN non-Hispanics; STD cases which occurred among AI/AN Hispanics are included in the Hispanic rates.

Differences in how AI/AN Hispanics are categorized in the National Profile versus IHS Area Profiles result from differences in how primary data were collected in the STDSS and NETSS databases.

### Misreporting of AI/AN Race

Previous studies have documented misreporting of AI/AN race on death certificates and in state STD surveillance databases,<sup>12, 13</sup> resulting in underestimates when characterizing the burden of disease among AI/AN people. Misreporting of AI/AN race occurs particularly in areas distant from traditional AI/AN reservations.<sup>12</sup> AI/AN and IHS rates presented in this report have not been adjusted for racial misreporting.

### IHS Areas Containing Partial Service Counties

Five of the IHS Areas (Albuquerque, California, Navajo, Phoenix, and Tucson) contain service counties which are shared between IHS Areas or are partially contained within an IHS Area. For these 13 partial service counties, (Appendix B) IHS DPS developed “percentage splits” (based on the 1990 census), which determine what proportion of the county’s AI/AN population lies within the jurisdiction of a given IHS Area. These percentage splits, which are based

on geographic boundaries, tribal population counts and health care utilization data, are updated periodically.

For chlamydia and gonorrhea rates presented in this report, case counts and IHS populations for partial service counties were determined using percentage splits. This is the same methodology that IHS DPS currently uses when calculating natality and mortality rates involving partial service counties.

Because primary and secondary syphilis (P&S) rates are significantly lower than chlamydia and gonorrhea rates, attributing cases which occurred in partial service counties based on percentage splits could lead to substantial differences in rates as described in this report compared to actual disease rates. For the P&S cases which occurred in partial service counties during 2002-2011, we adjusted rates by reviewing case data with state STD database managers to determine which IHS Area the case should be assigned to, based on the patient's community of residence. Adjusted P&S case counts and rates are shown for the 5 affected IHS Areas (Albuquerque, California, Navajo, Phoenix, and Tucson).

### **Urban Indians and Non-Federally Recognized Tribes**

STD data specific to urban Indians and members of non-federally recognized tribes are not included in this report. Methodologies to describe STD rates in these populations must still be developed. Such data may be included in future issues and updates.

### **Reporting Practices**

Although most areas generally adhere to the case definition for STDs found in Case Definitions for Infectious Conditions under Public Health Surveillance,<sup>14</sup> there may be differences 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 by these differences. In many areas, the reporting from publicly supported institutions (e.g. STD clinics and IHS, tribal, or urban Indian health organizations) has been more complete than from other sources (e.g. private practitioners). Thus, trends may not be representative of all segments of the population.

### **Reporting of Chlamydia Cases**

Trends in chlamydia case reporting from many states and areas are more reflective of changes in testing, diagnosis, and reporting of cases, rather than actual trends in disease incidence.<sup>15,16</sup> In areas where chlamydia positivity data are limited or not available, it is important to publish data on chlamydia rates (as provided in this report) in order to emphasize the large numbers of chlamydia cases being detected. Chlamydia positivity data by IHS Area are not included in this report.

### **Interpretation of Case Rates when Case Counts are Small**

STD case rates for many analyses presented in this report are based on small case counts (e.g.  $\leq 20$  cases); such rates and trends should be interpreted with caution. Small case counts occur in analyses by sex and age as well as P&S analyses, and analyses involving IHS Areas with small populations (e.g. Tucson and Billings). Case counts corresponding to all rates shown in this report are provided in the tables section.

### **What is New in This Report**

- The 2011 report is expanded to include cases and rates from 2010-2011.
- Cases reported with unknown race, unknown sex, and unknown age were not redistributed. Because missing data are excluded from calculations of rates, incidence rates by these characteristics, particularly for chlamydia and gonorrhea, appear somewhat lower than in previous reports. Data for the National profile is presented in this report from 2006-2011, to be consistent with CDC's *Sexually Transmitted Disease Surveillance 2011* report.
- The age groups for the national profile and IHS area tables were expanded to include 0-4 and 5-9 age groups as well as unknown age.
- Counties in each IHS region were modified to be consistent with the CHSDA counties reported in the June 21, 2007 Federal Registry.<sup>12</sup> Changes included adding Torrance County, NM to Albuquerque IHS area; Grand Parish and LaSalle Parish LA to the Nashville IHS area; Utah County, UT to the Phoenix IHS area; and San Juan County, WA to the Portland IHS area. Counties deleted were Hudspeth County, TX from the Albuquerque IHS area; Pierce County, WI from the Bemidji IHS area and Santa Cruz County, AZ from the Tucson IHS area.



# Summary of Data

# Summary of Data

Sexually transmitted diseases (STDs) remain a major public health challenge in the U.S. While substantial progress has been made in preventing, diagnosing, and treating certain STDs in recent years, CDC estimates that 20 million new infections occur in the United States each year, half of them occur among young men and women.<sup>16</sup> In addition to the physical and psychological consequences of STDs, these diseases also exact a tremendous economic toll. Direct medical costs associated with STDs in the U.S. are estimated at \$16 billion annually.<sup>17</sup>

This report summarizes 2011 national data and trends for chlamydia, gonorrhea, and primary and secondary syphilis (P&S) among American Indians and Alaska Natives (AI/AN). AI/ANs are one of the smallest racial groups in the U.S., comprising between 0.9%-1.7% of the total U.S. population<sup>18</sup>—but are disproportionately affected by STDs. In 2011, reported rates of chlamydia, gonorrhea, and P&S among AI/AN were 1.2 to 4.6 times higher than comparable rates for whites.<sup>3</sup>

## Chlamydia

Across all race/ethnicities, chlamydia remains the most commonly reported infectious disease in the U.S. In 2011, 16,658 chlamydia diagnoses were reported among AI/AN, up from 15,470 cases in 2010.<sup>3</sup> The national AI/AN rate of reported chlamydia in 2011 was 648.3 cases per 100,000 population, an increase of 7.7% from 2010 (602.0 cases per 100,000 population).<sup>3</sup> The 2011 chlamydia rate among AI/AN was 1.4 times higher than the U.S. rate (457.6 cases per 100,000 population).<sup>3</sup>

## Disparity Between IHS and U.S. Rates

Among AI/AN residing in IHS service areas, the overall IHS chlamydia rate in 2011 was 694.0 cases per 100,000 population, which was 1.5 times higher than the corresponding total U.S. rate (457.6 cases per 100,000 population); 10 IHS Areas (all but California and Nashville) had chlamydia rates up to 5.0 times higher than the U.S. rate. For all populations, increases in chlamydia rates over the past 20 years reflect the expansion of screening activities, increasingly sensitive diagnostic tests, an increased emphasis on case reporting, and improvements in reporting systems. However, many women who are at risk are still not being tested.<sup>3</sup> During 2010-2011, 9 of 12 IHS Areas had increasing chlamydia rates: Aberdeen (+9.1%), Albuquerque (+14.9%), Bemidji (+28.0%), Billings (+2.9); California (+70.4%), Nashville (+11.4%), Navajo (+15.3%), Oklahoma City (+8.5%), Phoenix (+16.5%), and Portland (+26.7%).

## Young Women Especially Affected

Compared to men, chlamydia rates are higher among women and reflect the fact that women are more likely to be screened for this infection. In 2011, among AI/AN women residing in IHS services areas, the highest age-specific rates of chlamydia were among those aged 15-19 years (3,638.8 cases per 100,000 women) and 20-24 years (4,773.6 cases per 100,000 women). In 2011, the overall IHS rates among women ages 15-19 years and 20-24 years were 1.1 and 1.3 times higher than the corresponding U.S. rates (3,416.5 cases per 100,000 and 3,722.5 cases per 100,000 women, respectively). For individual IHS Areas, chlamydia rates among women 15-24 years ranged between 761.0 cases per 100,000 women in the California Area to 13,157.2 cases per 100,000 women in the Alaska Area.

## Gonorrhea

Gonorrhea is the second most commonly reported infectious disease in the U.S. In 2011, 2,972 gonorrhea diagnoses were reported among AI/AN, up from 2,759 cases in 2010.<sup>3</sup> The national rate of reported gonorrhea in 2011 among AI/AN was 115.7 cases per 100,000 population, an increase of 7.7% from 2010 (107.4 cases per 100,000 population).<sup>3</sup>

### Overall 2011 IHS Gonorrhea Rate Higher than U.S. Rate

In 2011, the overall IHS gonorrhea rate of 116.6 cases per 100,000 population was higher than the U.S. gonorrhea rate of 104.2 cases per 100,000 population. Gonorrhea rates for the overall IHS population increased from 63.5 to 116.6 cases per 100,000 population between 1998 and 2011, with 2011 representing the highest rate over that period of time.

### High Gonorrhea Rates in 4 IHS Areas

Reported gonorrhea rates in 2011 for 4 IHS Areas—Aberdeen, Alaska, Oklahoma City, and Navajo—were 1.2 to 5.6 times higher than the U.S. rate. The Alaska Area had the highest gonorrhea rate (581.1 cases per 100,000 population). For the overall IHS population in 2011, gonorrhea rates were higher—almost double—for women (147.1 cases per 100,000 population) compared to men (85.3 cases per 100,000 population).

## Primary and Secondary Syphilis (P&S)

The rate of P&S in the U.S. decreased throughout the 1990s, and in 2000 reached an all-time low. However, since that time U.S. and AI/AN syphilis rates have slowly increased. Between 2010 and 2011, the AI/AN P&S rate increased slightly, from 2.5 to 2.7 cases per 100,000 population; comparatively, the U.S. P&S rate between 2010 and 2011 remained the same at 4.5 cases per 100,000 population. In 2011, 70 P&S diagnoses were reported among AI/AN, up from 64, in 2010.<sup>3</sup>

### IHS Cases Primarily Occurring in the West and Southwest

In 2011, 47 of 54 P&S cases (87%) diagnosed within the IHS service area occurred in 6 IHS Areas—Albuquerque, California, Navajo, Oklahoma City, Phoenix, and Portland. IHS service areas in the Southwest and Northwest reported the highest number of cases; 2 IHS Areas (Aberdeen and Bemidji) had no P&S cases in 2011. IHS cases of P&S in the Southwest (Tucson, Navajo, and Phoenix Areas) have been increasing since 2000, with peaks in 2004 (53 cases) and 2007 (51 cases). During 2010-2011, the greatest P&S rate increase occurred in the Portland Area (from 1.3 to 4.2 cases per 100,000 population). Additional Areas with notable increases include: Albuquerque (from 4.0 to 5.2 cases per 100,000 population); Billings (from 0.0 to 1.5 cases per 100,000 population), and Navajo (from 2.2 to 3.4 case per 100,000 population). Three areas had notable decreases in P&S rates: Bemidji (from 3.0 to 0.0 cases per 100,000 population, Phoenix (from 7.6 to 4.2 cases per 100,000 population), and Tucson (from 8.6 to 6.5 cases per 100,000 population).

### IHS Cases Higher Among Men

For overall IHS cases in 2011, the P&S male-to-female rate ratio was 11:1, which indicates a disproportionate number of P&S cases occurring among AI/AN men compared to AI/AN women. This increase represents a large increase since the 2009 Indian Health Surveillance Report was published, when the ratio was 3:1.<sup>6</sup> The U.S. P&S male-to-female rate ratio in 2011 was 9:1. These disparities reflect syphilis increases in the U.S. which have primarily occurred among men who have sex with men (MSM). The ratios vary among IHS areas, but are high in multiple areas (e.g., Tucson (13:1), Albuquerque (11:1), Phoenix (9:1), Portland (8:1), and Navajo (5:1).



# National STD Profile

Chlamydia

Gonorrhea

Primary and Secondary Syphilis

# Chlamydia

Chlamydia is the most common nationally notifiable disease in the U.S. and disproportionately affects young women.<sup>3</sup> Chlamydia infections are asymptomatic in most women and, if untreated, can result in serious complications, including pelvic inflammatory disease (PID), infertility, and ectopic pregnancy.<sup>19,20</sup> A pregnant woman infected with chlamydia can transmit infection to her child during delivery, potentially leading to neonatal pneumonia. In addition, chlamydia infections may facilitate the transmission of HIV.<sup>21</sup> Despite these complications, chlamydia is easily treated and cured with antibiotics.

In 2000, for the first time, regulations in all 50 states and DC required the reporting of chlamydia cases. Trends in chlamydia case reporting from many states and areas are more reflective of changes in testing, diagnosis, and reporting of cases, rather than actual trends in disease incidence.

In 2011, 1,412,791 chlamydia infections were reported in the U.S. This case count corresponds to a rate of 457.6 cases per 100,000 population, a 8.0% increase from 2010 (423.6 cases per 100,000 population).<sup>3</sup>

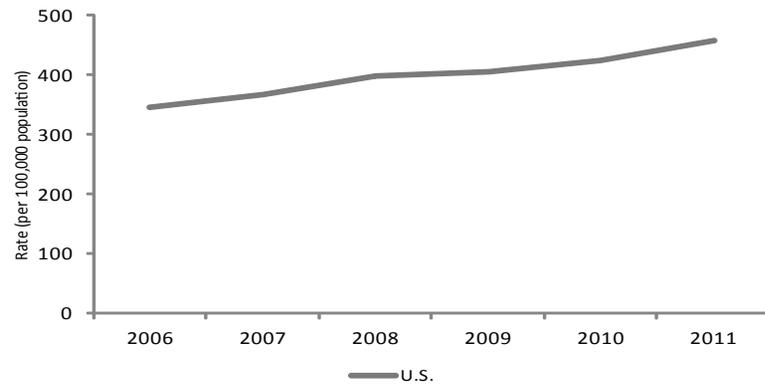
## Key Points and Trends

- In 2011, among all race/ethnicities, AI/AN had the second highest chlamydia rate (648.3 cases per 100,000 population), which was 4.1 times higher than the rate for whites (159.0 cases per 100,000 population). African-Americans had the highest chlamydia rate (1,194.4 cases per 100,000 population).<sup>3</sup>
- In 2011, 16,658 of 1,412,791 chlamydia infections (1.2%) were reported among AI/AN. The AI/AN chlamydia rate increased by 7.7% during 2010-2011 (2010 rate: 602.0 cases per 100,000 population).<sup>3</sup>
- In 2011, the chlamydia rate among AI/AN women in the U.S. (983.8 cases per 100,000 females) was 3.3 times higher than the rate among AI/AN men (296.9 cases per 100,000 males), likely reflecting a greater number of women screened for this infection.<sup>3</sup> This rate ratio was slightly higher than the rate ratio by sex in the total U.S. (648.9 cases per 100,000 females and 256.9 cases per 100,000 males; female to male rate ratio of 2.5).<sup>3</sup>
- Among AI/AN women, the highest age-specific rates of reported chlamydia in 2011 were among 20- to 24-year-olds (4,688.0 per 100,000 females) and 15- to 19-year-olds (3,624.4 per 100,000 females).<sup>3</sup> These two age groups also represented the highest age-specific rates among all women in the U.S. (15-19 years: 3,416.5 per 100,000 females and 20-24 years: 3,722.5 per 100,000 females).<sup>3</sup>
- Age-specific rates among AI/AN men, while substantially lower than the rates in AI/AN women in 2011, were highest among 20 to 24-year-olds (1,332.1 cases per 100,000 males).<sup>3</sup> This age group also had the highest rates among all men in the U.S. (1,343.3 cases per 100,000 males).<sup>3,21</sup>

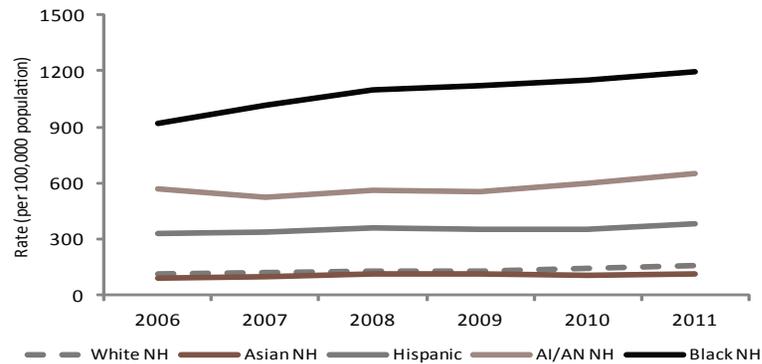
## United States

Reference: Tables 1A, 1B, 2A, 2B

### Total Chlamydia Rates, U.S.



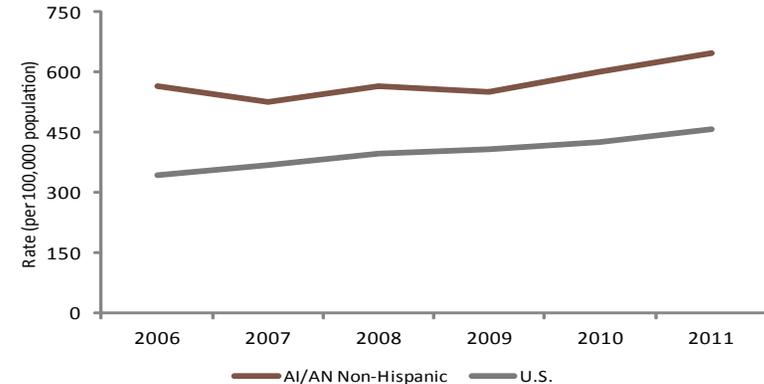
### Chlamydia Rates by Race and Ethnicity



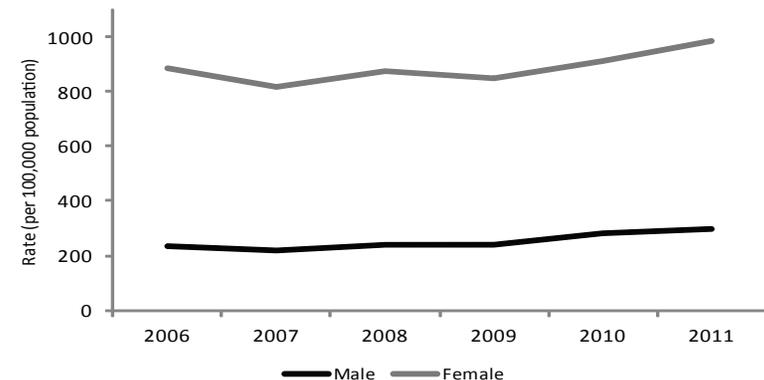
## American Indians / Alaska Natives

Reference: Tables 2A, 2B, 3A, 3B

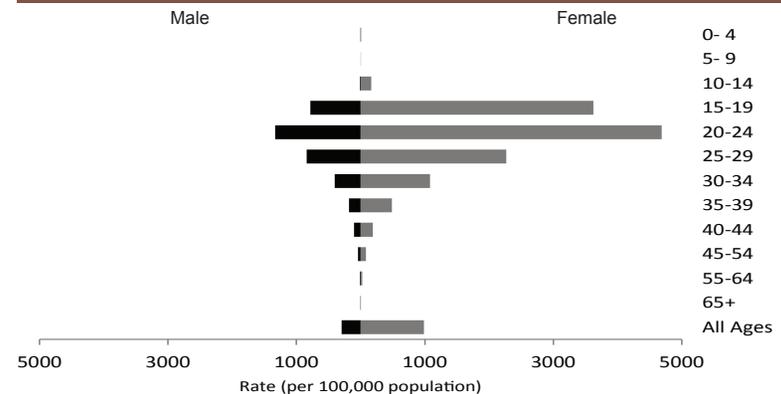
### Total Chlamydia Rates, AI/AN Non-Hispanic and U.S.



### Chlamydia Rates by Sex, AI/AN Non-Hispanic



### Chlamydia Rates by Sex and Age, AI/AN Non-Hispanic, 2011



#### About these graphs:

- AI/AN rates (and rates for other race/ ethnicities) based on national populations
- AI/AN rates based on AI/AN non-Hispanics only; AI/AN Hispanics included in Hispanic rates
- Exclusions: Cases reported with unknown (i.e., unknown, missing, or invalid data) sex, race/ethnicity, or age data are not included for given years
- Data source: STDSS

# Gonorrhea

Gonorrhea is the second most common nationally notifiable disease in the U.S.<sup>3</sup> and, like chlamydia, is a major cause of PID, infertility, and ectopic pregnancy. Gonococcal infections may be transmitted from a pregnant woman to her child during delivery (potentially causing ophthalmic disease),<sup>20</sup> and might facilitate the transmission of HIV.<sup>19</sup> Gonorrhea is curable with antibiotics, though resistance to certain classes of antibiotics is an emerging problem.<sup>3</sup>

From 1975 through 1997, gonorrhea declined 74% following implementation of the national gonorrhea control program in the mid-1970s.<sup>20</sup> During 1998-2006, the rate ranged between 132.9 and 129.3 cases per 100,000 population. During 2007-2010, national gonorrhea rates declined from 118.0 to 100.2 cases per 100,000 population.<sup>3</sup>

In 2011, 321,849 cases of gonorrhea were reported in the U.S. These cases correspond to a rate of 104.2 cases per 100,000 population, a 4.0% increase from 2010 (100.2 cases per 100,000 population).<sup>3</sup>

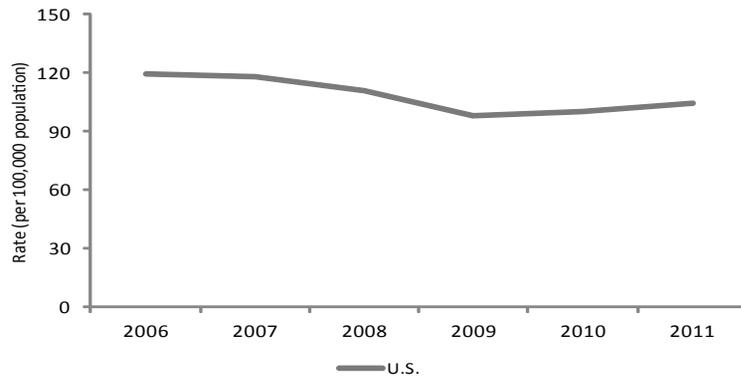
## Key Points and Trends

- In 2011, among all race/ethnicities, AI/AN had the second highest gonorrhea rate (115.7 cases per 100,000 population), which was 4.6 times higher than the rate for whites (25.2 cases per 100,000 population). African-Americans had the highest gonorrhea rate (427.3 cases per 100,000 population).<sup>3</sup>
- In 2011, 2,972 of 321,849 gonorrhea infections (0.9%) reported to CDC from the 50 states and DC occurred among AI/AN. The AI/AN gonorrhea rate increased by 7.7% during 2010-2011 (2010 rate: 107.4 cases per 100,000 population). The total U.S. gonorrhea rate increased 4.0% during 2010-2011.<sup>3</sup>
- In 2011, the gonorrhea rate among AI/AN women in the U.S. (145.3 cases per 100,000 females) was 1.7 times higher than the rate among AI/AN men (84.4 cases per 100,000 males).<sup>3</sup> For the U.S., the gonorrhea rate among women was 108.9 cases per 100,000 females and 98.7 cases per 100,000 males.<sup>3</sup>
- Among AI/AN women, the highest age-specific rates of reported gonorrhea in 2011 were among 20- to 24-year-olds (668.6 per 100,000 females) and 15- to 19-year-olds (424.2 per 100,000 females).<sup>3</sup> These two age groups also represented the highest age-specific rates among all women in the U.S. (15-19 years: 556.5 per 100,000 females and 20-24 years: 584.2 per 100,000 females).<sup>3</sup>
- Age-specific rates among AI/AN men, while substantially lower than the rates in AI/AN women in 2011, were highest among 20- to 24-year-olds (355.4 cases per 100,000 males).<sup>3</sup> This age group also had the highest rates among all men in the U.S. (450.6 cases per 100,000 males).<sup>3</sup>

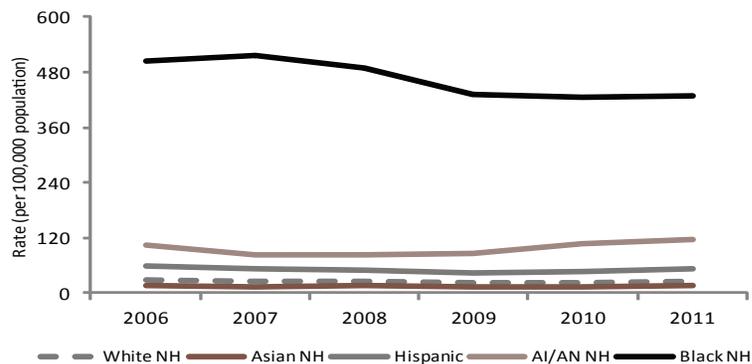
## United States

Reference: Tables 1A, 1B, 4A, 4B

### Total Gonorrhea Rates, U.S.



### Gonorrhea Rates by Race and Ethnicity



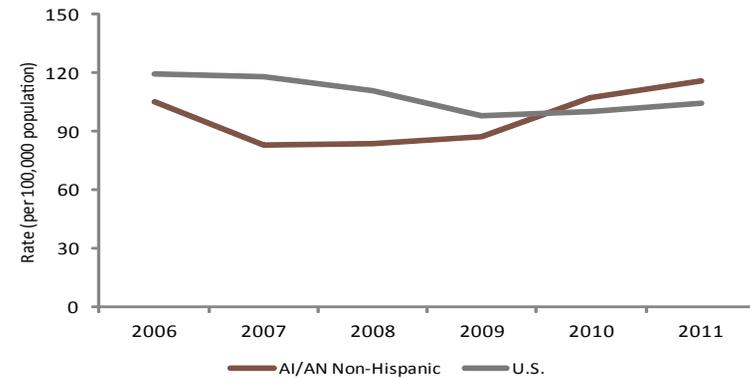
#### About these graphs:

- AI/AN rates (and rates for other race/ ethnicities) based on national populations
- AI/AN rates based on AI/AN non-Hispanics only; AI/AN Hispanics included in Hispanic rates
- Exclusions: Cases reported with unknown (i.e., unknown, missing, or invalid data) sex, race/ethnicity, or age data are not included for given years
- Data source: STDSS

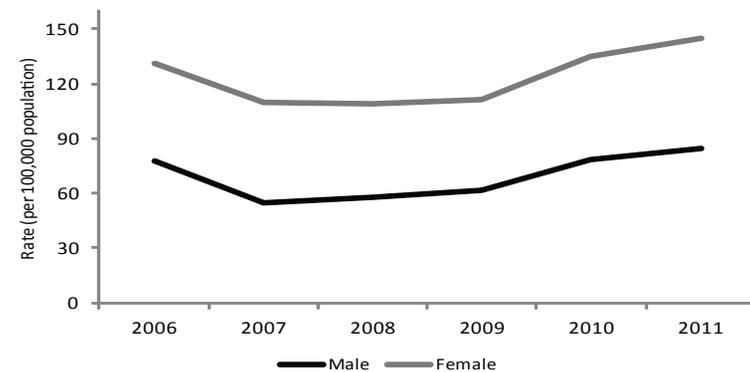
## American Indians / Alaska Natives

Reference: Tables 4A, 4B, 5A, 5B

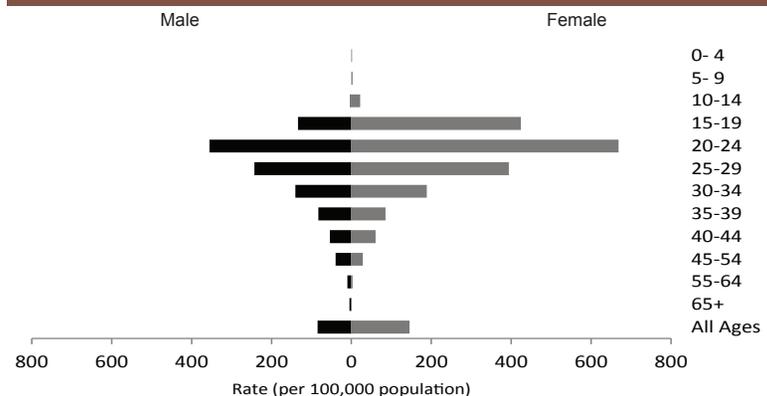
### Total Gonorrhea Rates, AI/AN Non-Hispanic and U.S.



### Gonorrhea Rates by Sex, AI/AN Non-Hispanic



### Gonorrhea Rates by Sex and Age, AI/AN Non-Hispanic, 2011



# Primary and Secondary Syphilis (P&S)

Syphilis, in its primary and secondary stages, is a highly infectious, but easily curable, STD. However, if untreated, it can lead to serious long-term complications, including stroke, heart disease, and death. Syphilis can be transmitted from untreated mothers to their fetuses, potentially leading to stillbirths and congenital deformities.<sup>21</sup> In addition, syphilis has been shown to increase the rate of HIV transmission by two- to five-fold.<sup>22</sup> For these reasons, syphilis prevention and control is a public health priority.

The rate of P&S decreased during the 1990s and reached an all-time low in 2000 (2.1 cases per 100,000 population).<sup>3</sup> The low rate of infectious syphilis and the concentration of the majority of syphilis in a small number of geographic areas in the U.S. led to the development of the CDC's National Plan to Eliminate Syphilis in October 1999.<sup>23</sup> Since 2000, P&S rates in the U.S. have increased, with increases primarily occurring among men who have sex with men (MSM).<sup>3</sup>

In 2011, 13,970 P&S cases were reported in the U.S. This case count corresponds to a rate of 4.5 cases per 100,000 population, which was unchanged from 2010.<sup>3</sup>

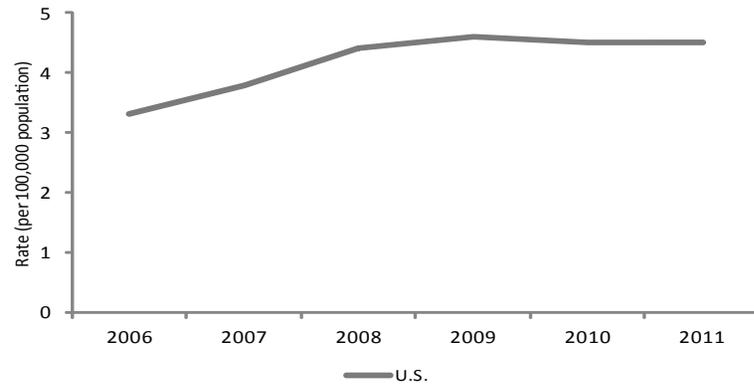
## Key Points and Trends

- In 2011, among all race/ethnicities, AI/AN had the third highest P&S rate (2.7 cases per 100,000 population), which was slightly higher than the rate for whites (2.3 cases per 100,000 population). African-Americans (15.5 cases per 100,000) and Hispanics (4.6 cases per 100,000 population) had higher rates than AI/AN.<sup>3</sup>
- In 2011, 70 of 13,970 P&S cases (0.5%) reported to CDC from the 50 states and DC occurred among AI/AN.<sup>3</sup> The AI/AN P&S rate increased slightly to 2.7 cases per 100,000 population during 2010-2011 (2010 rate: 2.5 cases per 100,000 population).<sup>3</sup>
- In 2011, the male-to-female P&S rate ratio among AI/AN increased to 10:1, indicating more cases being diagnosed among men than women.<sup>3</sup> Similarly, for the total U.S., the male-to-female P&S rate ratio has risen steadily since 1996 to 8:1 in 2011, reflecting an increase in syphilis among men who have sex with men (MSM) during this time.<sup>3</sup>
- In 2011, among AI/AN, the age-specific P&S syphilis rates were highest among women aged 25-29 years (2.1 cases per 100,000 population) and among men aged 20-24 years (13.5 cases per 100,000 population).<sup>3</sup> For the total U.S., the highest age-specific P&S rates were reported among 20-24 year olds for both women and men (3.8 and 23.4 cases per 100,000 population, respectively).<sup>3</sup> Since 2008, P&S rates have been highest among U.S. men aged 20-24 years.<sup>3</sup>

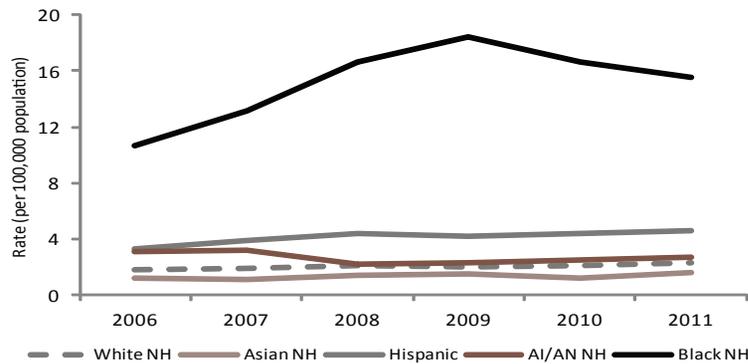
## United States

Reference: Tables 1A, 1B, 6A, 6B

### Total P&S Rates, U.S.



### P&S Rates by Race and Ethnicity



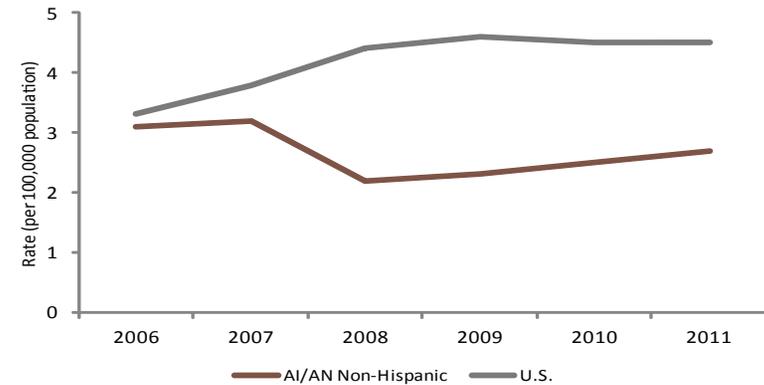
#### About these graphs:

- AI/AN rates (and rates for other race/ ethnicities) based on national populations
- AI/AN rates based on AI/AN non-Hispanics only; AI/AN Hispanics included in Hispanic rates
- Exclusions: Cases reported with unknown (i.e., unknown, missing, or invalid data) sex, race/ethnicity, or age data are not included for given years
- Data source: STDSS

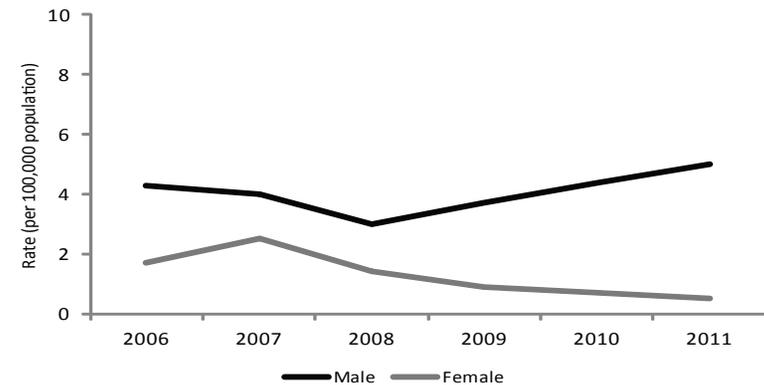
## American Indians / Alaska Natives

Reference: Tables 6A, 6B, 7A, 7B

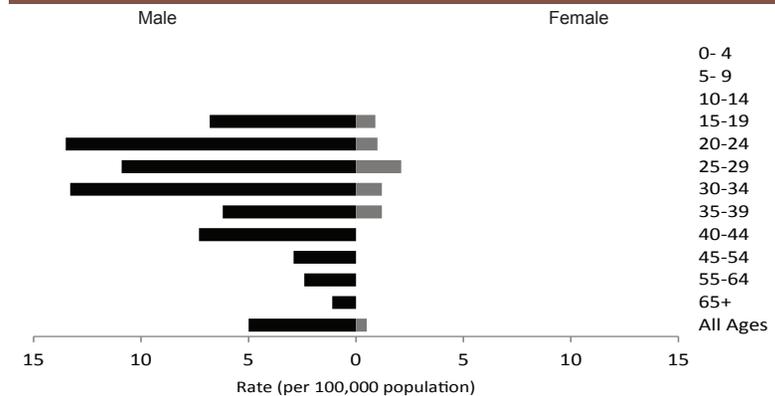
### Total P&S Rates, AI/AN Non-Hispanic and U.S.



### P&S Rates by Sex, AI/AN Non-Hispanic



### P&S Rates by Sex and Age, AI/AN Non-Hispanic, 2011





# IHS Area STD Profiles

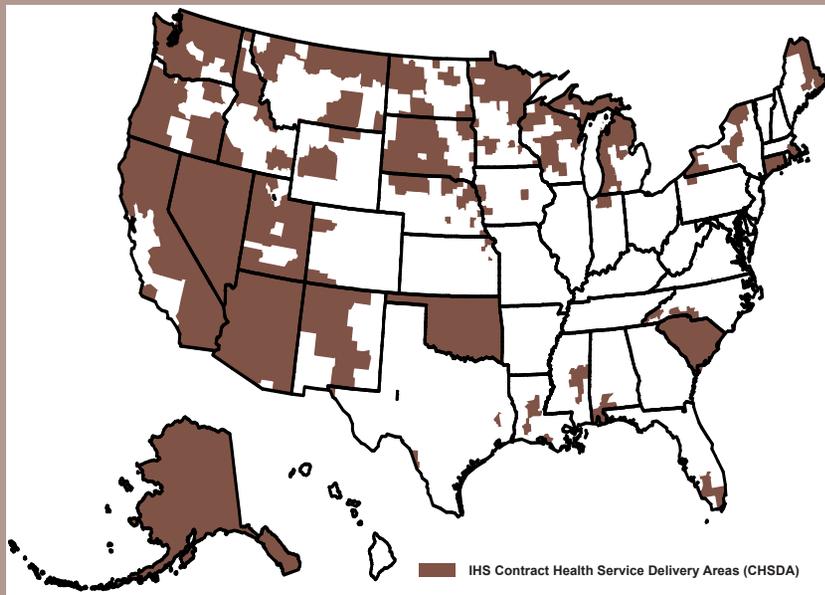
Aberdeen / Alaska / Albuquerque

Bemidji / Billings / California

Nashville / Navajo / Oklahoma City

Phoenix / Portland / Tucson

# Indian Health Service



The IHS service area is comprised of 625 service counties in 35 states. The IHS service population is estimated by enumerating AI/AN who live in service counties.

### Geography:

- States: 35 (AL, AZ, CA, CO, CT, FL, ID, IN, IA, KS, LA, ME, MA, MI, MN, MS, MT, NE, NV, NM, NY, NC, ND, OK, OR, PA, RI, SC, SD, TX, UT, WA, WI, WY)
- Counties: 625
- IHS Areas: 12

Tribes: 566

2011 IHS Service Population (est.): 2,016,143

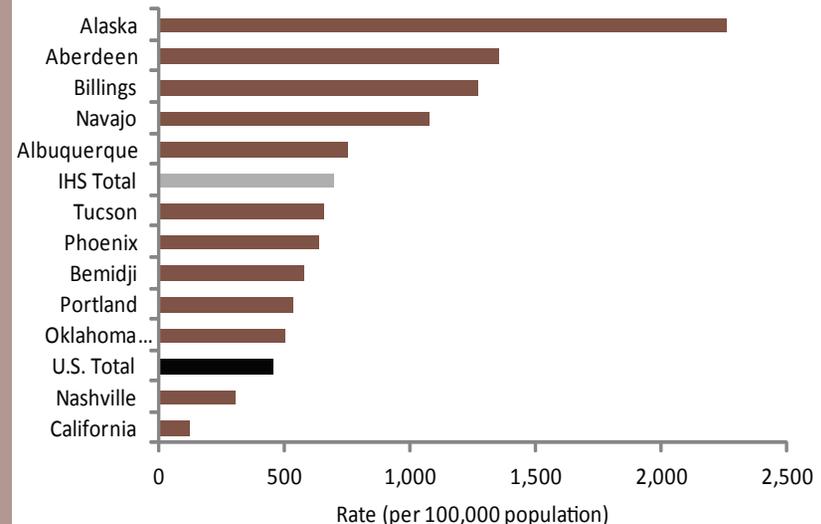
### Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Counts represent summations of all valid data reported in reporting year 2011
- Missing data are excluded from calculations
- Cases from partial IHS Area service counties are redistributed
- IHS data source: NNDSS
- U.S. data source: NNDSS

## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

### Chlamydia Rates by IHS Area, 2011



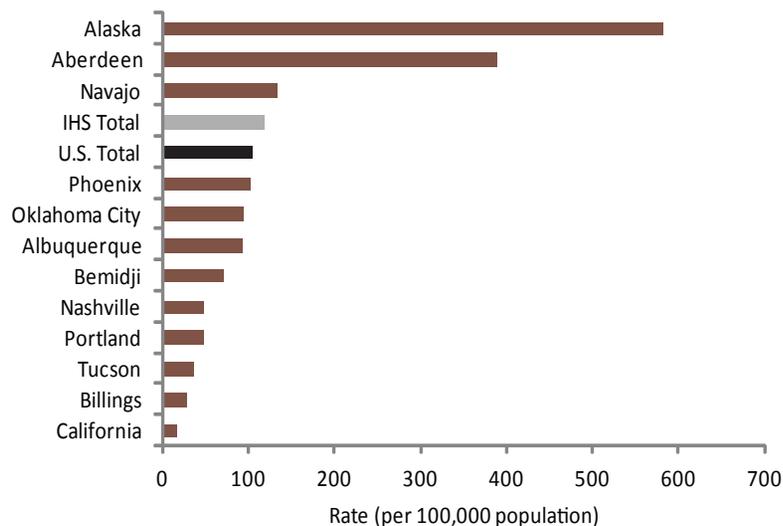
### Key Points and Trends

- In 2011, the overall IHS chlamydia rate was 1.5 times higher than the U.S. rate (694.0 and 453.4 cases per 100,000 population respectively)
- Ten of the 12 IHS Areas had higher 2011 chlamydia rates compared to the U.S. rate, ranging from 1.1 to 5.0 times higher than the U.S. rate.
- In 2011, all IHS Areas had female chlamydia rates that were between 2.7 to 4.1 times higher than male rates, likely reflecting greater numbers of women screened for this infection.
- During 2010-2011 overall chlamydia rates in the U.S. increased 7.0% (from 423.6 to 453.4 cases per 100,000 population), while overall IHS chlamydia rates increased by 10.4%; the IHS Area with the greatest increase was the California Area (70.4%); the Tucson Area had the largest decrease (-5.8%).

## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

### Gonorrhea Rates by IHS Area, 2011



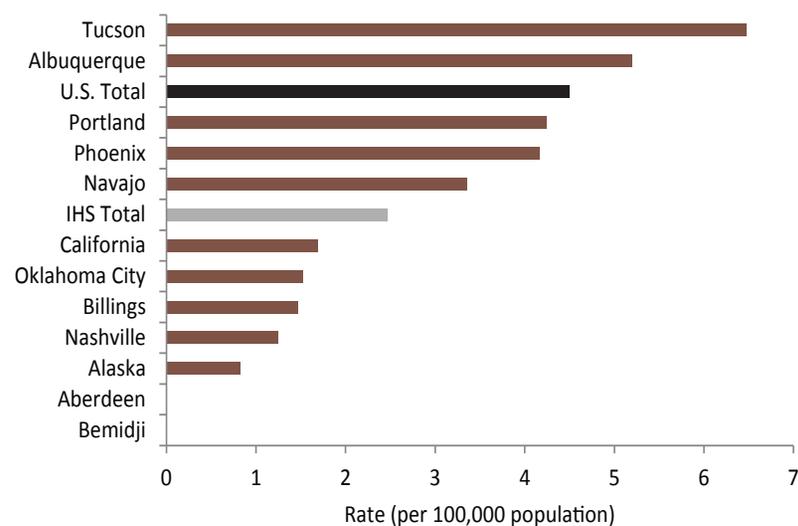
### Key Points and Trends

- In 2011, the overall IHS gonorrhea rate was higher than U.S. rates (116.6 to 103.3 cases per 100,000 population, respectively).
- Three IHS Areas (Aberdeen, Alaska, and Navajo) had gonorrhea rates higher than the U.S. rate, ranging from 1.3 to 5.6 times greater.
- In 2011, the overall IHS female gonorrhea rate was 1.7 times the male rate; all IHS Areas had higher female gonorrhea rates than male rates.
- During 2010-2011, overall gonorrhea rates in the U.S. increased 3.1% (from 100.2 to 103.3 cases per 100,000 population), while overall IHS rates increased by 7.8%; IHS areas with the greatest increases were Navajo Area (157.1%), California Area (96.1%) and Phoenix Area (85.1%); the IHS Areas with the greatest decreases were Tucson (-66.6%), Alaska (-25.6%), and Bemidji (15.0%).

## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

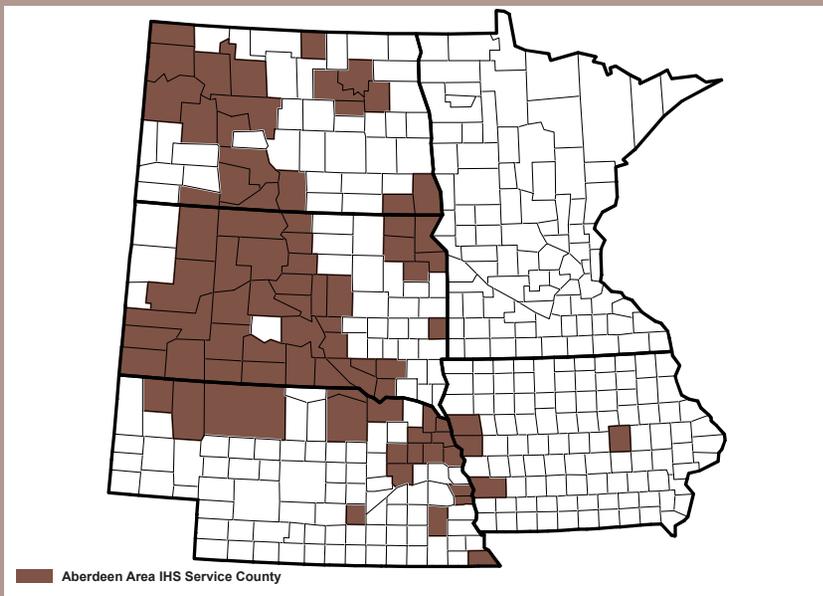
### P&S Rates by IHS Area, 2011



### Key Points and Trends

- In 2011, the overall IHS P&S rate was 2.5 cases per 100,000 population, compared to 4.5 cases per 100,000 population for the overall U.S.
- Within IHS, 35 of 54 (65%) P&S cases occurred in 5 IHS Areas in the southwest: Albuquerque (9 cases), Navajo (6 cases), Oklahoma City (6 cases), Phoenix (11 cases), and Tucson (3 cases); 2 IHS Areas (Aberdeen and Bemidji) had no P&S cases in 2011.
- In 2011, the overall IHS male P&S rate was 11.3 times the female rate. The overall U.S. male P&S rate was 9 times the female rate.
- During 2010-2011, overall P&S rates in the U.S. were unchanged at 4.5 cases per 100,000 population; overall IHS rates were also unchanged at 2.5 cases per 100,000. The largest increase occurred in the Portland Area (from 1.3 to 4.3 cases per 100,000); the Phoenix and Tucson Areas had the largest decreases (81% and 32% cases per 100,000 population, respectively).

# Aberdeen Area IHS



## Geography:

- States: 5 (IA, MN, ND, NE, SD)
- Counties: IA (4/99) MN (1/87) ND (20/53) NE (19/93) SD (37/66)

Tribes: 18

## IHS Service Population:

- 2011 (est.): 129,283
- Rank: 8 of 12 Areas

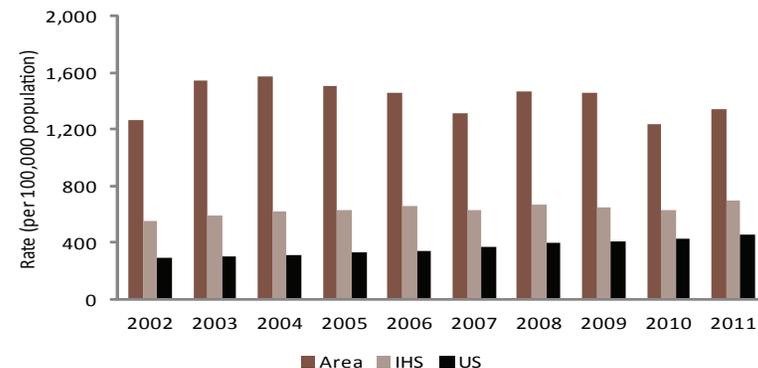
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: Cases with unknown race
- Adjustments: None
- IHS data source: NNDSS
- U.S. data source: NNDSS

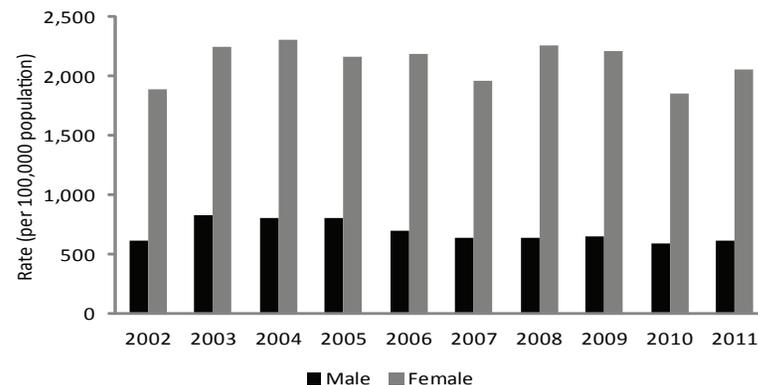
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

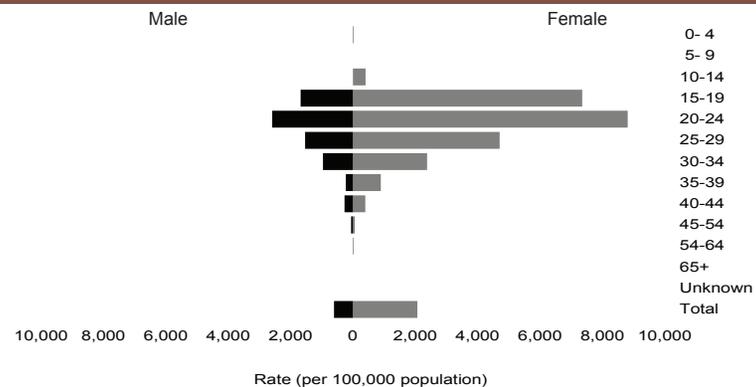
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Aberdeen Area IHS



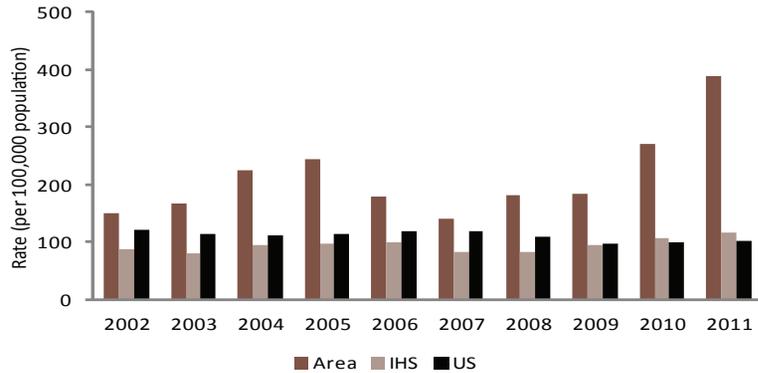
### Chlamydia Rates by Sex and Age, Aberdeen Area IHS, 2011



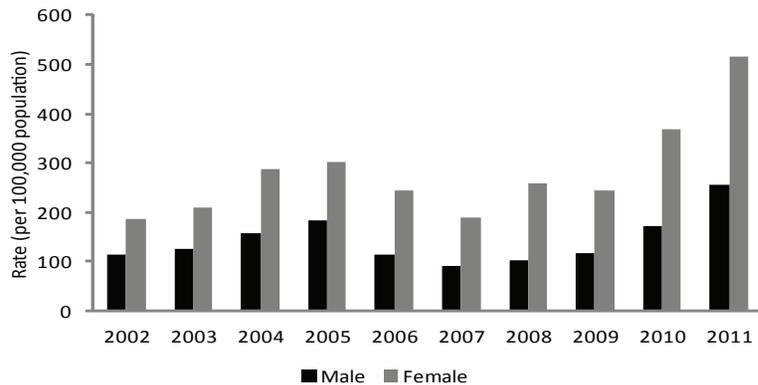
## Gonorrhoea

Reference: Tables 10A, 10B, 11A, 11B

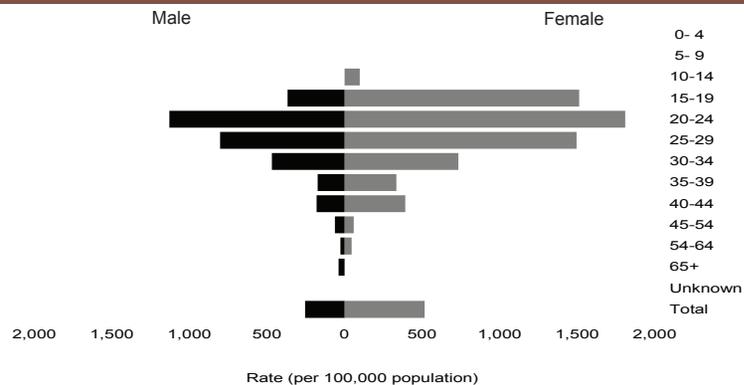
### Total Gonorrhoea Rates



### Gonorrhoea Rates by Sex, Aberdeen Area IHS



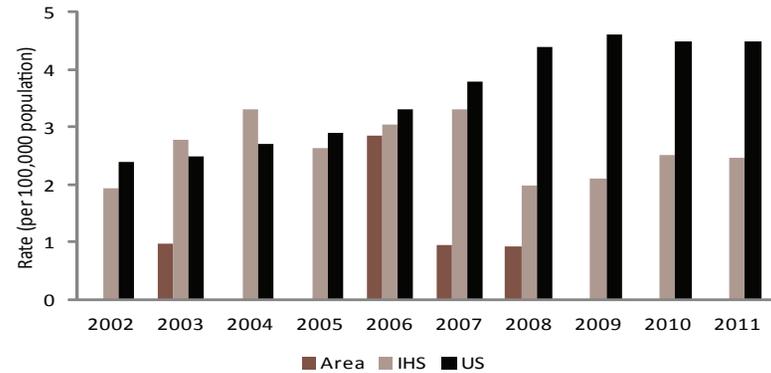
### Gonorrhoea Rates by Sex and Age, Aberdeen Area IHS, 2011



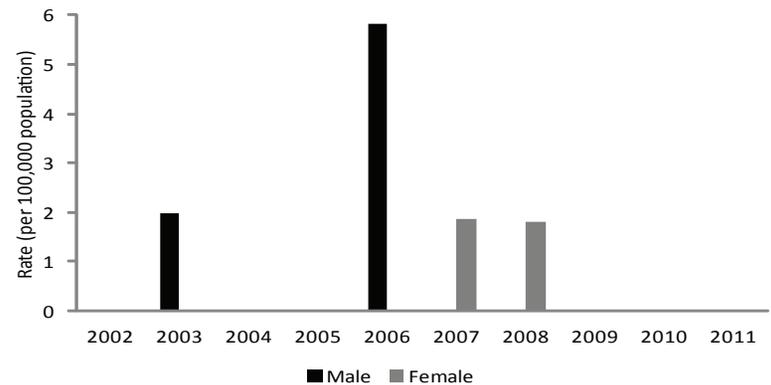
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

### Total P&S Rates



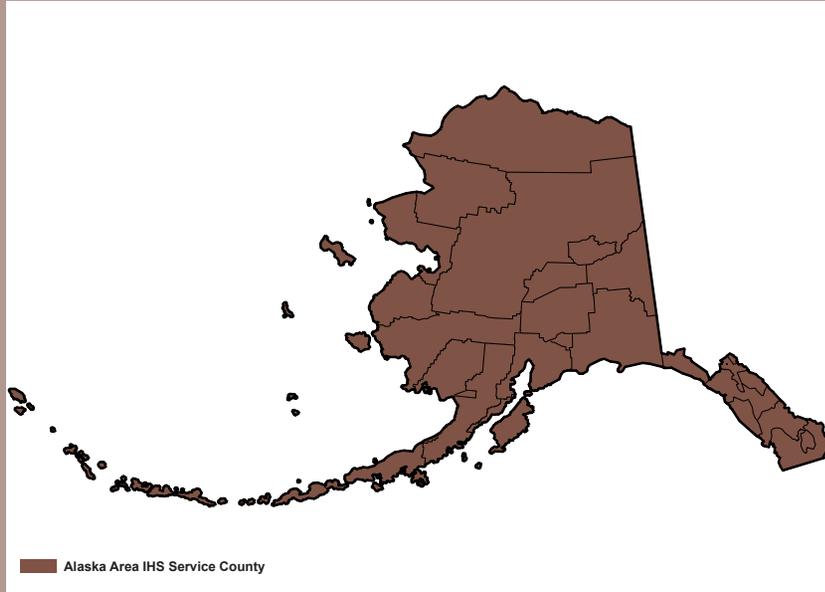
### P&S Rates by Sex, Aberdeen Area IHS



### P&S Rates by Sex and Age, Aberdeen Area IHS, 2011

No P&S cases reported in 2011

# Alaska Area IHS



## Geography:

- States: 1 (AK)
- County-equivalents: AK (27/27)

Tribes: 228

## IHS Service Population:

- 2011 (est.): 132,363
- Rank: 7 of 12 Areas

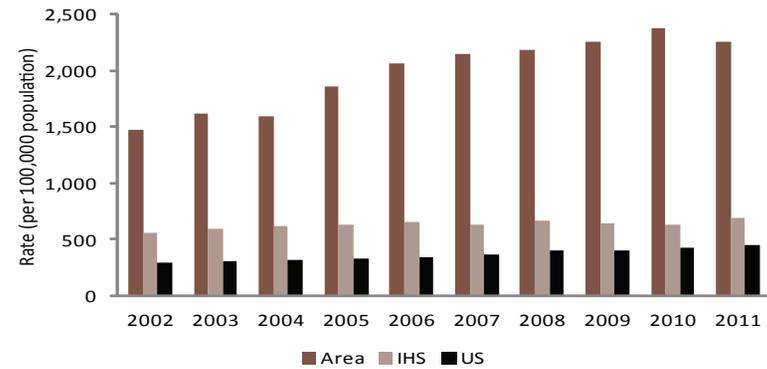
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: Cases with unknown race
- Adjustments: None
- IHS data source: NNDSS
- U.S. data source: NNDSS

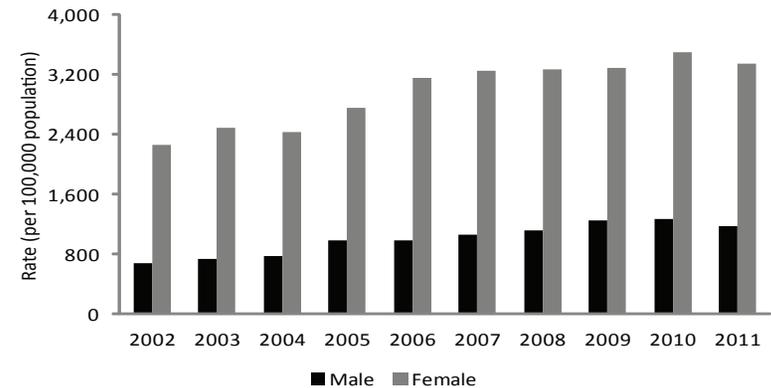
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

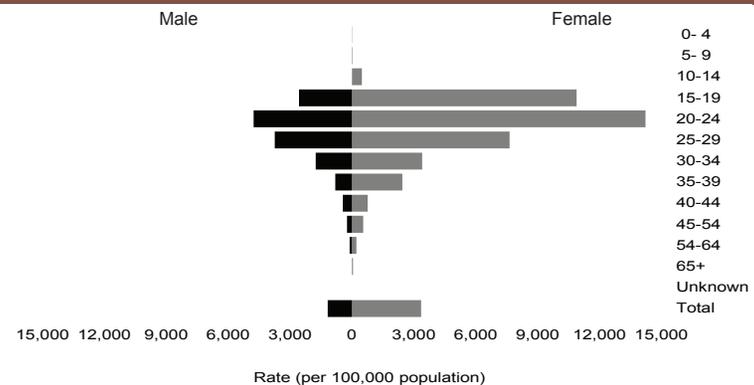
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Alaska Area IHS, 2009



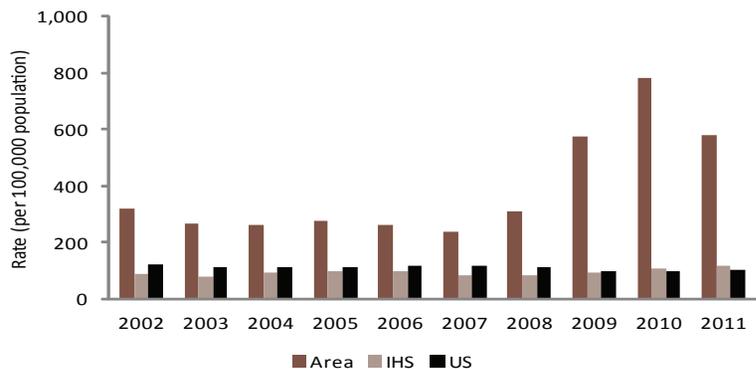
### Chlamydia Rates by Sex and Age, Alaska Area IHS, 2011



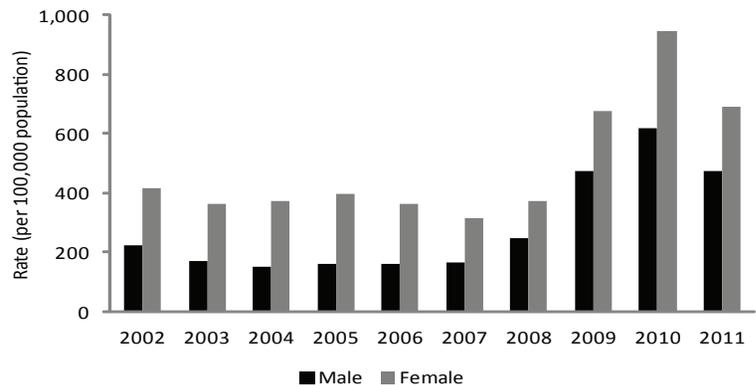
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

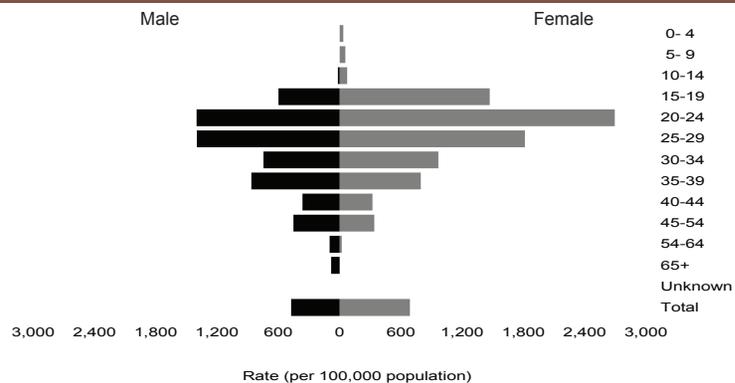
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Alaska Area IHS



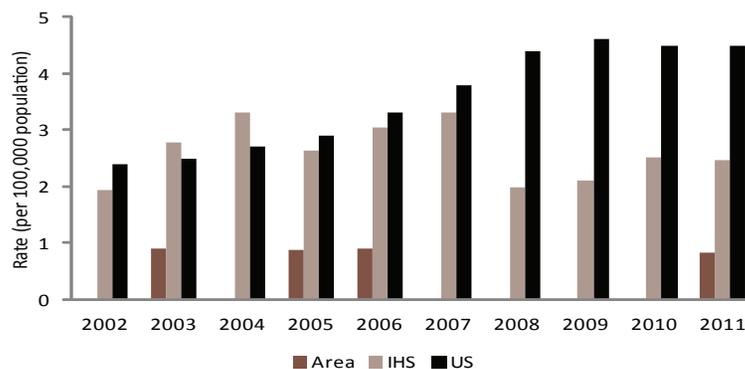
### Gonorrhea Rates by Sex and Age, Alaska Area IHS, 2011



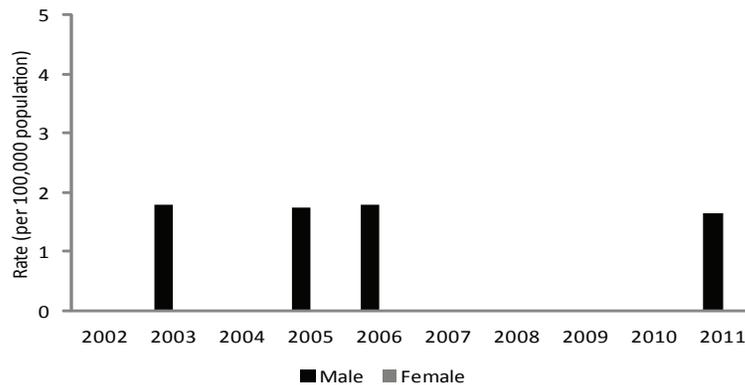
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

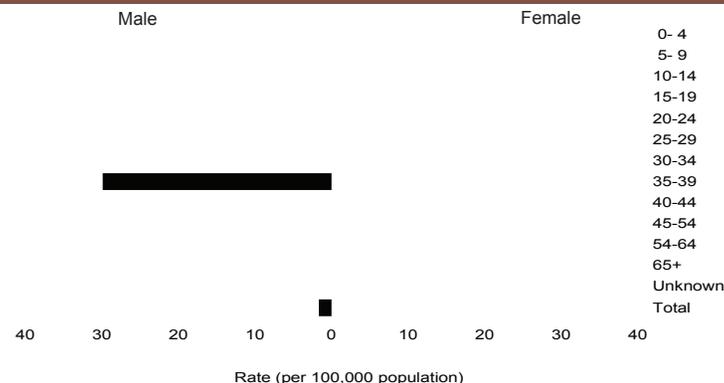
### Total P&S Rates



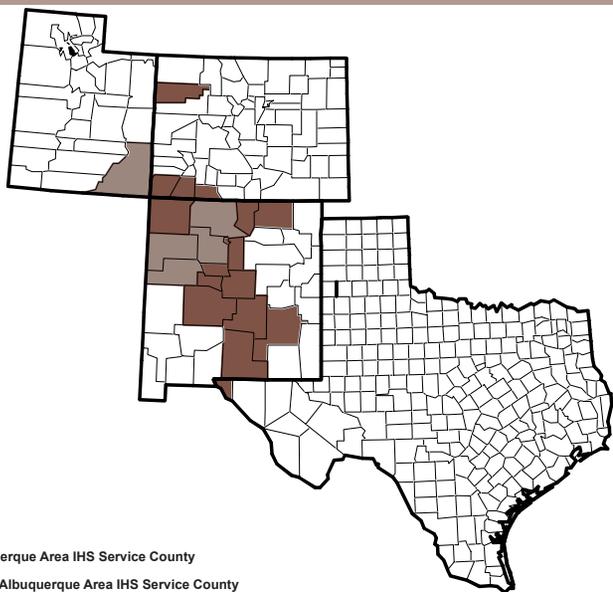
### P&S Rates by Sex, Alaska Area IHS



### P&S Rates by Sex and Age, Alaska Area IHS, 2011



# Albuquerque Area IHS



## Geography:

- States: 4
- (CO, NM, TX, UT)
- Counties: CO (3/64) NM (15/33) TX (1/254) UT (1/29)

## Tribes: 25

## IHS Service Population:

- 2011 (est.): 113,229
- Rank: 10 of 12 Areas

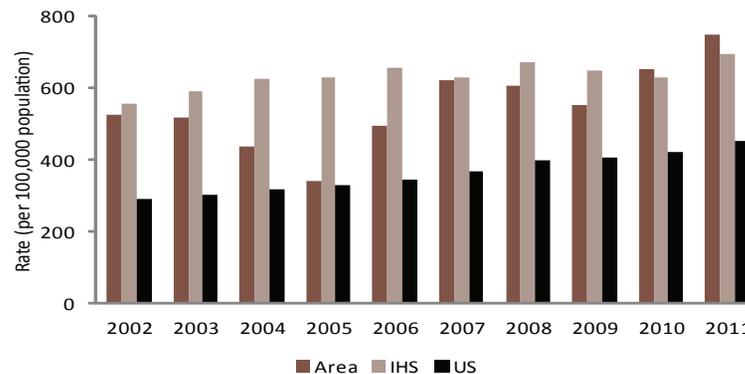
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: CO (chlamydia 03-05); cases with unknown race
- Adjustments: Cases from partial Albuquerque Area service counties are redistributed
- IHS data source: NNDSS
- U.S. data source: NNDSS

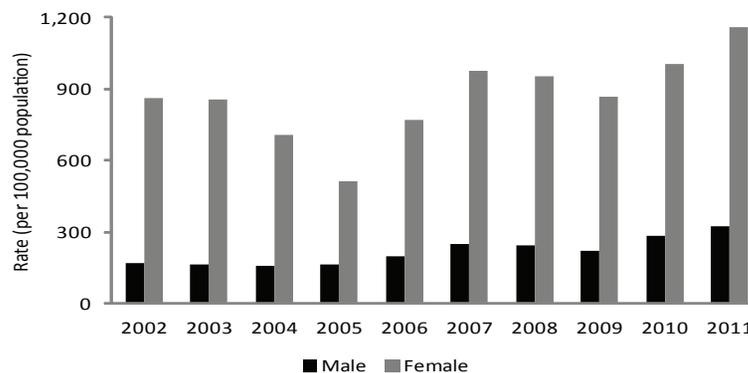
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

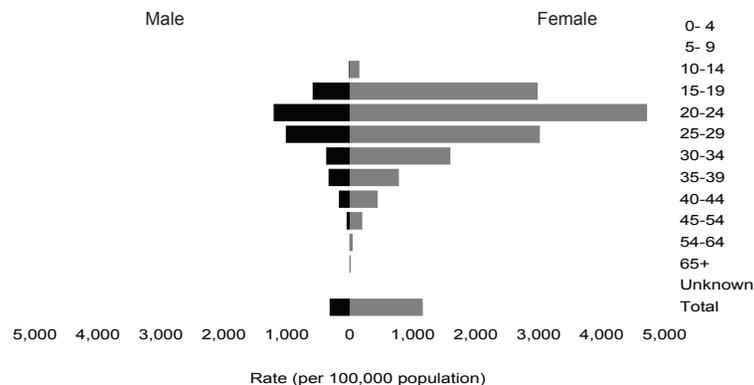
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Albuquerque Area IHS



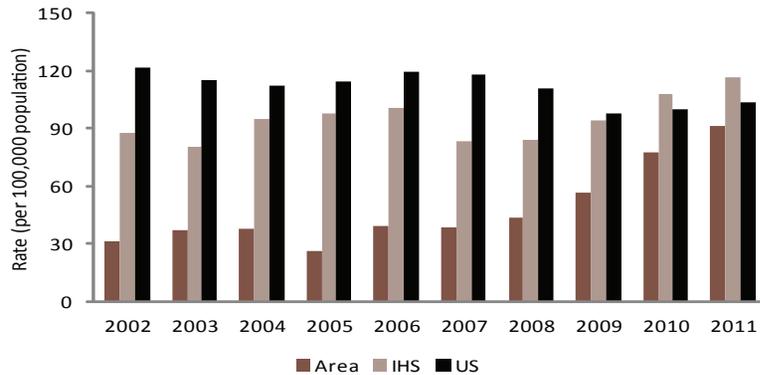
### Chlamydia Rates by Sex and Age, Albuquerque Area IHS, 2011



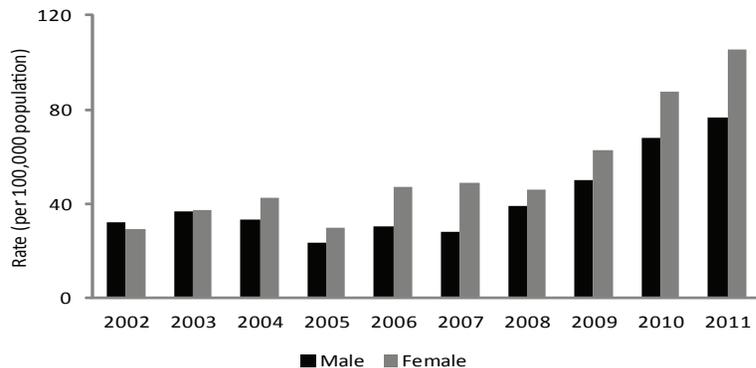
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

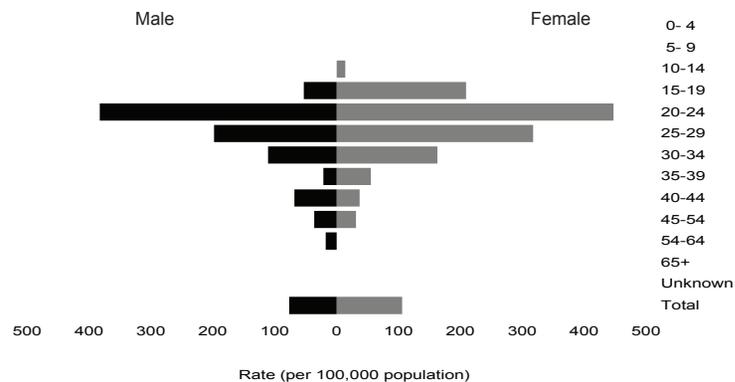
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Albuquerque Area IHS



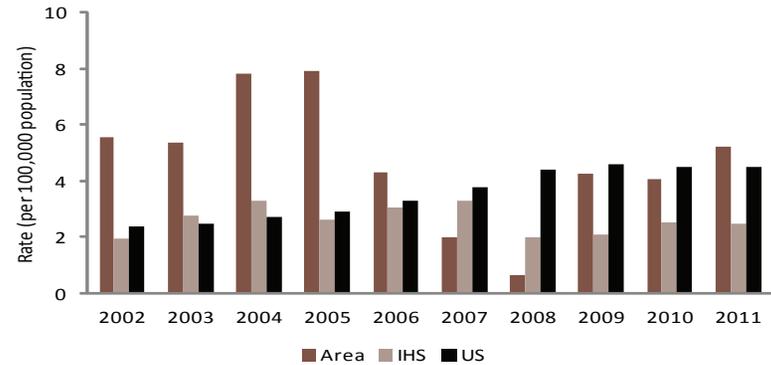
### Gonorrhea Rates by Sex and Age, Albuquerque Area IHS, 2011



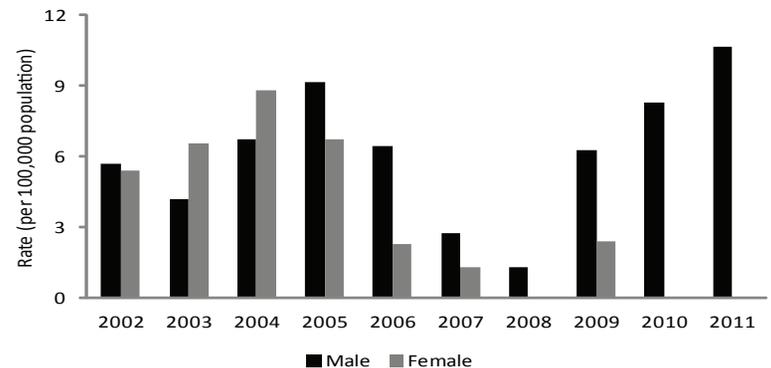
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

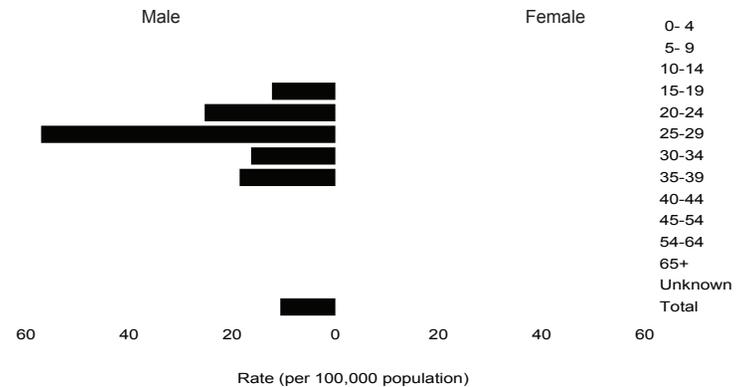
### Total P&S Rates



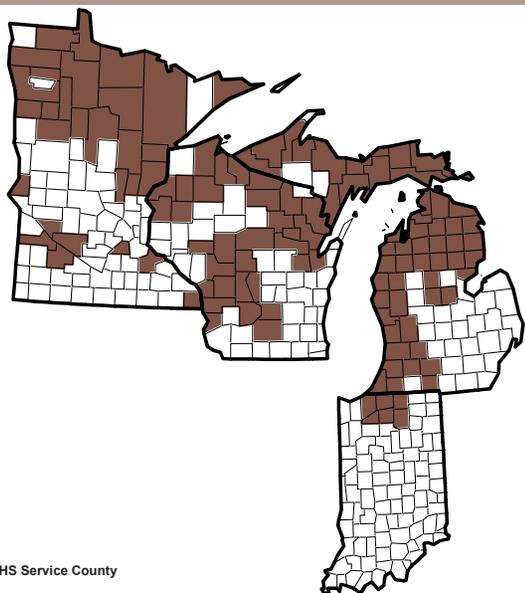
### P&S Rates by Sex, Albuquerque Area IHS



### P&S Rates by Sex and Age, Albuquerque Area IHS, 2011



# Bemidji Area IHS



## Geography:

- States: 4 (IN, MI, MN, WI)
- Counties: IN (6/92) MI (52/83) MN (27/87) WI (33/72)

Tribes: 34

## IHS Service Population:

- 2011 (est.): 128,506
- Rank: 9 of 12 Areas

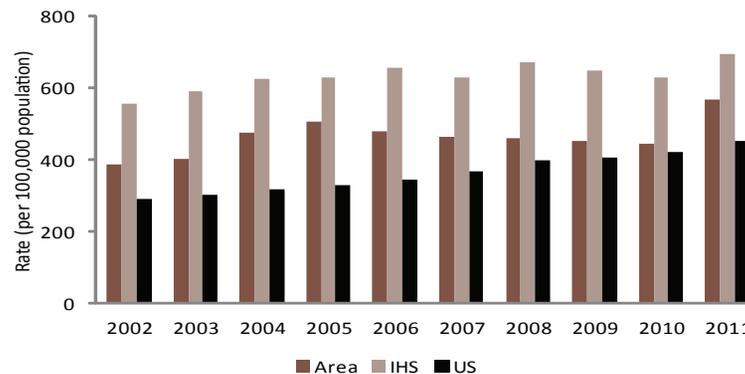
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: MI (chlamydia 02); cases with unknown race
- Adjustments: None
- IHS data source: NNDSS
- U.S. data source: NNDSS

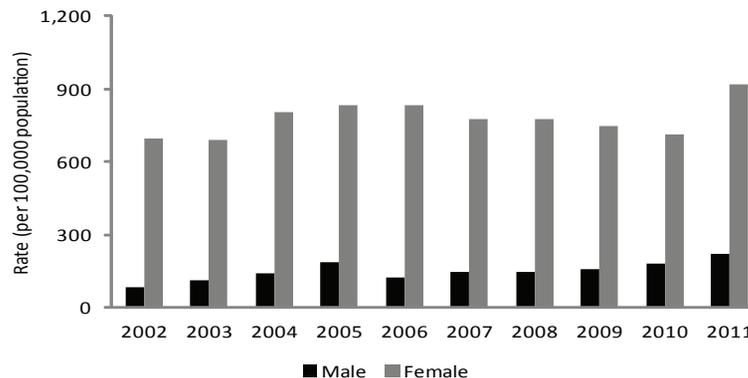
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

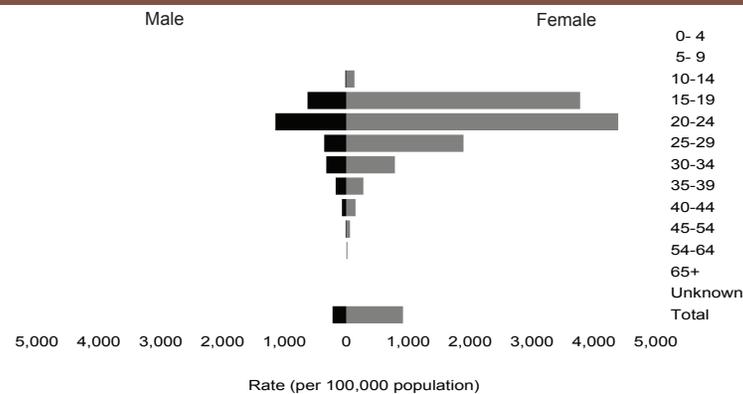
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Bemidji Area IHS



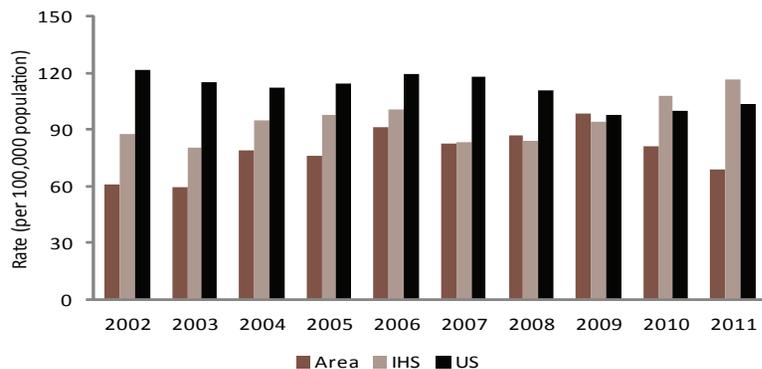
### Chlamydia Rates by Sex and Age, Bemidji Area IHS, 2011



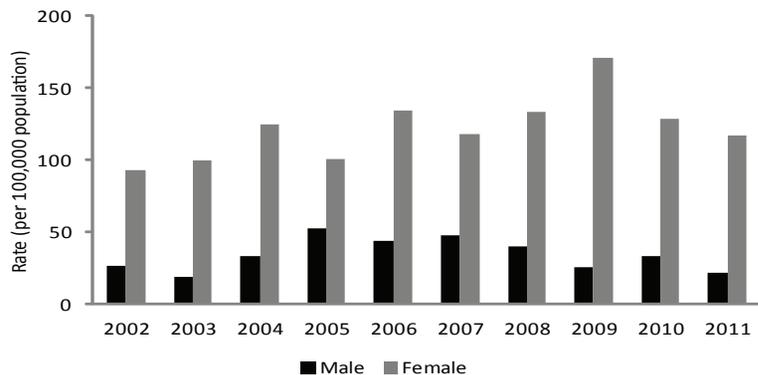
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

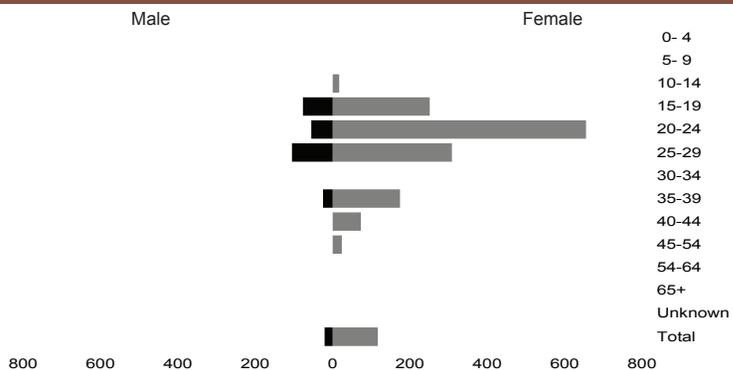
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Bemidji Area IHS



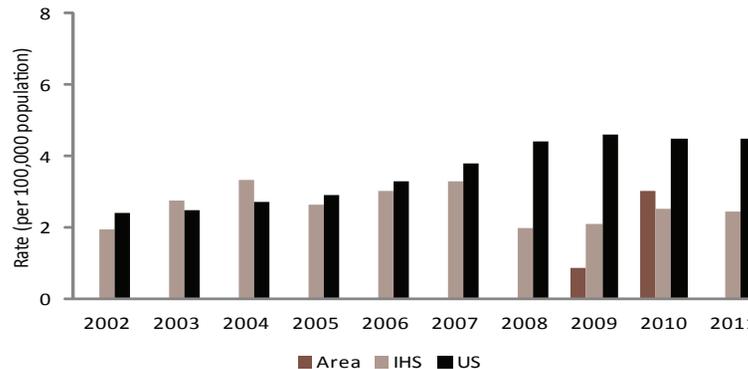
### Gonorrhea Rates by Sex and Age, Bemidji Area IHS, 2011



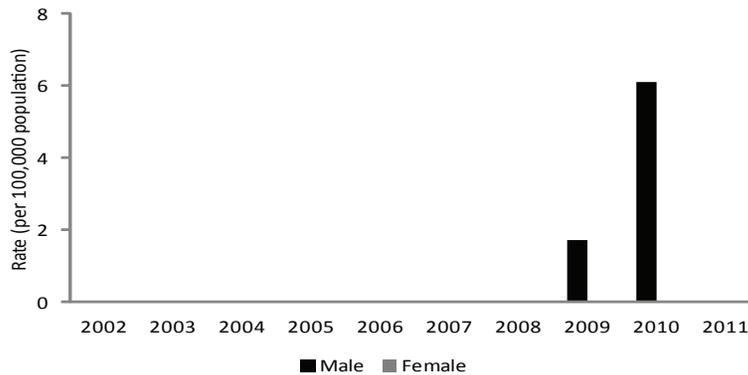
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

### Total P&S Rates



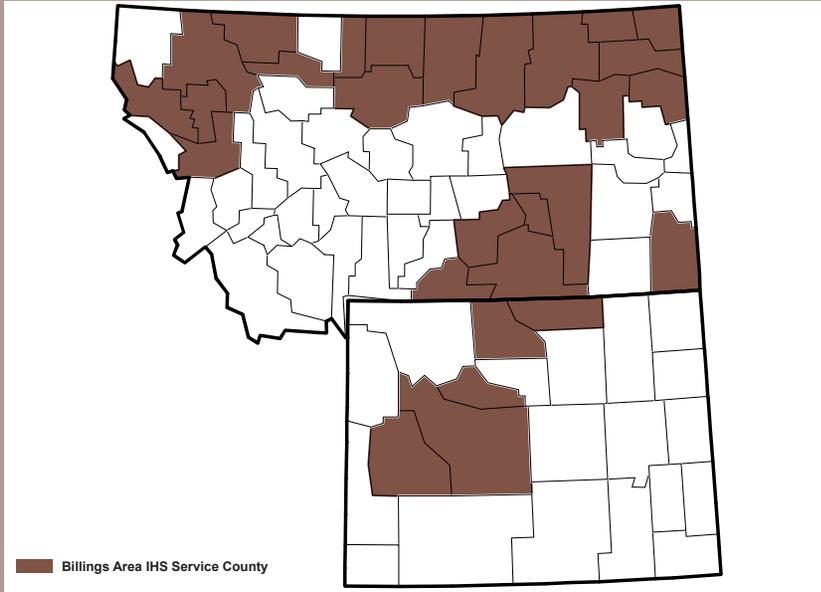
### P&S Rates by Sex, Bemidji Area IHS



### P&S Rates by Sex and Age, Bemidji Area IHS, 2011

No P&S cases reported in 2011

# Billings Area IHS



## Geography:

- States: 2 (MT, WY)
- Counties: MT (23/56)  
WY (5/23)

Tribes: 8

## IHS Service Population:

- 2011 (est.): 73,098
- Rank: 11 of 12 Areas

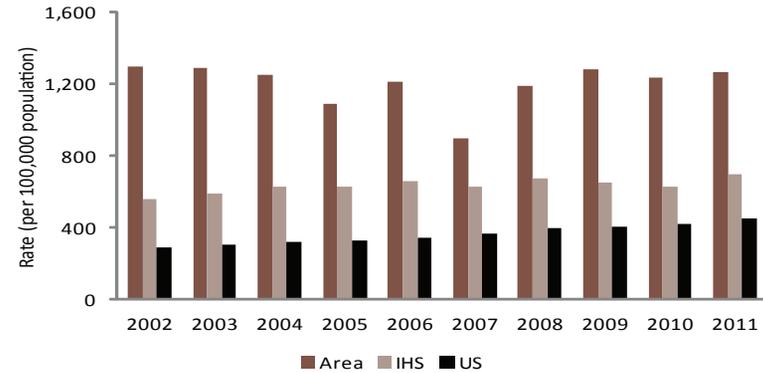
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: Cases with unknown race
- Adjustments: None
- IHS data source: NNDSS
- U.S. data source: NNDSS

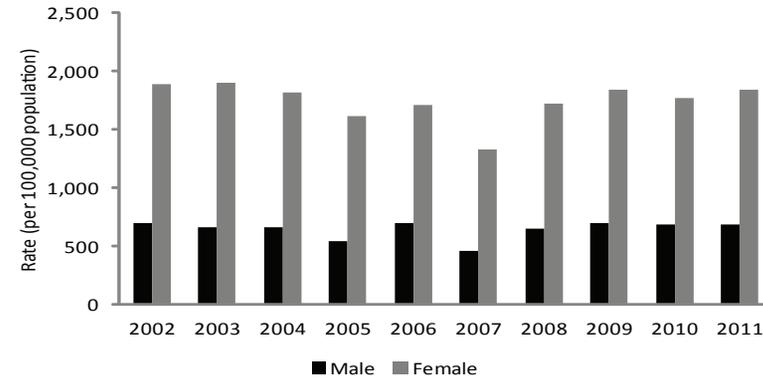
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

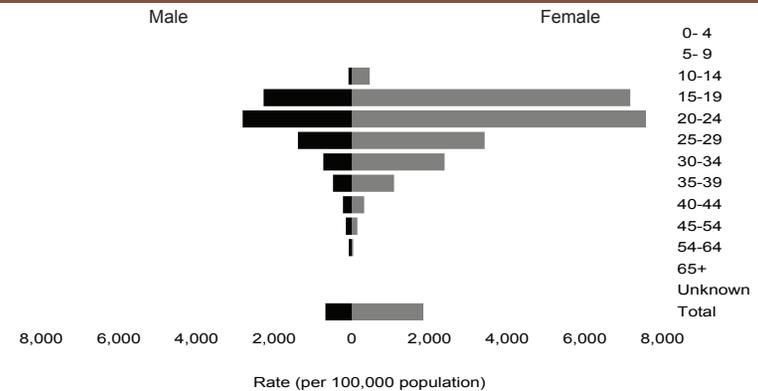
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Billings Area IHS



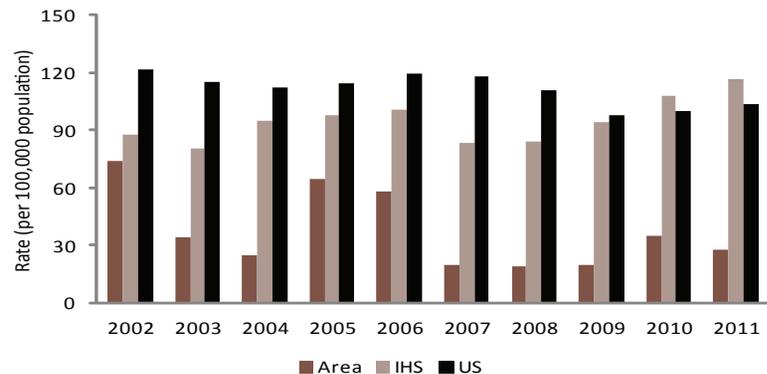
### Chlamydia Rates by Sex and Age, Billings Area IHS, 2011



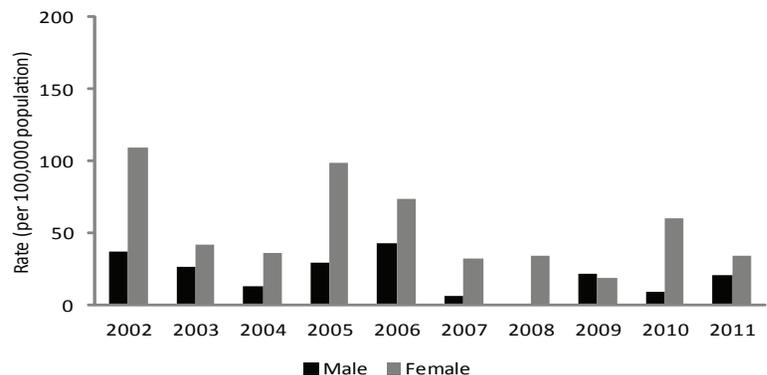
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

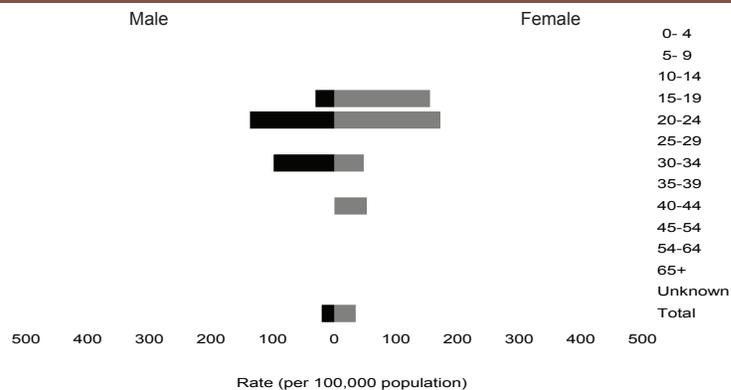
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Billings Area IHS



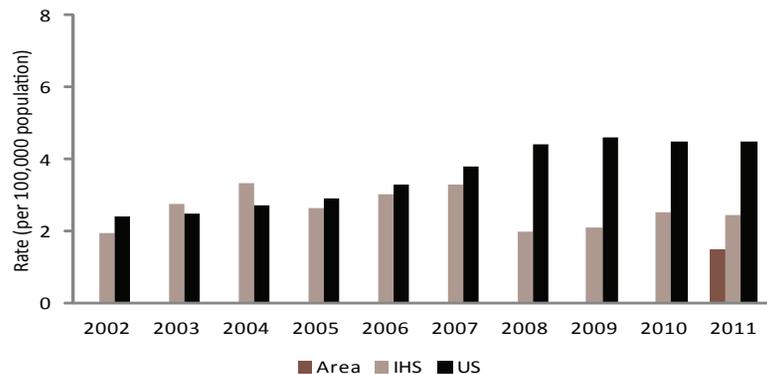
### Gonorrhea Rates by Sex and Age, Billings Area IHS, 2011



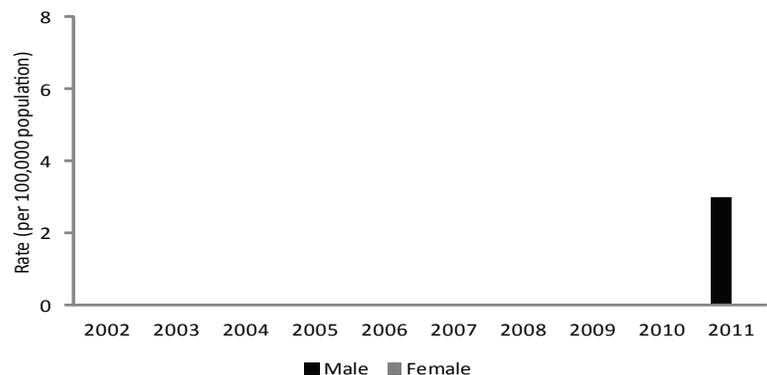
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

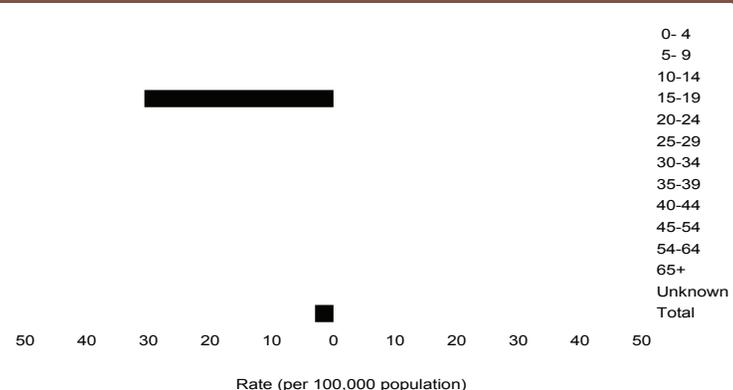
### Total P&S Rates



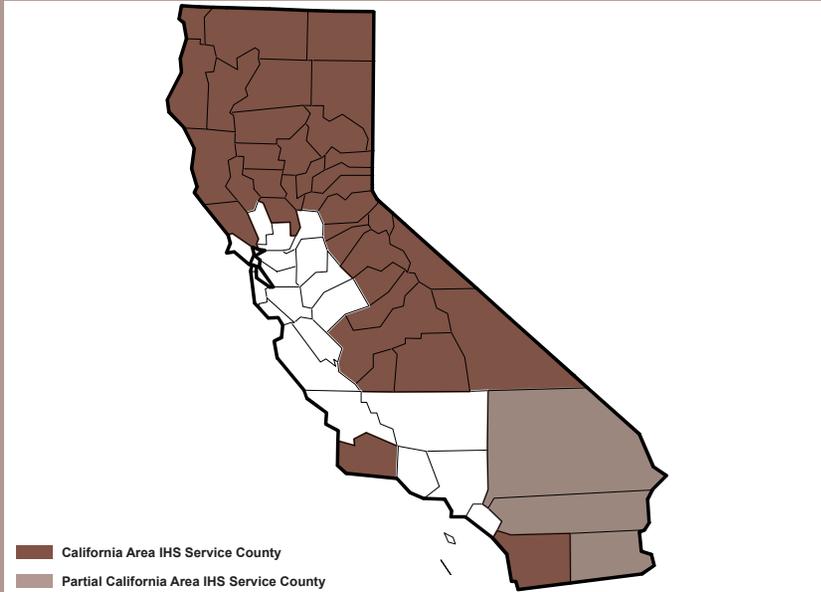
### P&S Rates by Sex, Billings Area IHS



### P&S Rates by Sex and Age, Billings Area IHS, 2011



# California Area IHS



### Geography:

- States: 1 (CA)
- Counties: CA (37/58)

**Tribes:** 107

### IHS Service Population:

- 2011 (est.): 189,624
- Rank: 5 of 12 Areas

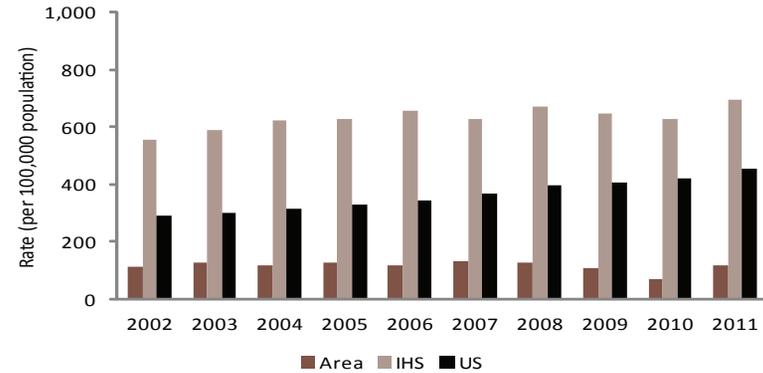
### Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: Cases with unknown race
- Adjustments: Cases from partial California Area service counties are redistributed
- IHS data source: NNDSS
- U.S. data source: NNDSS

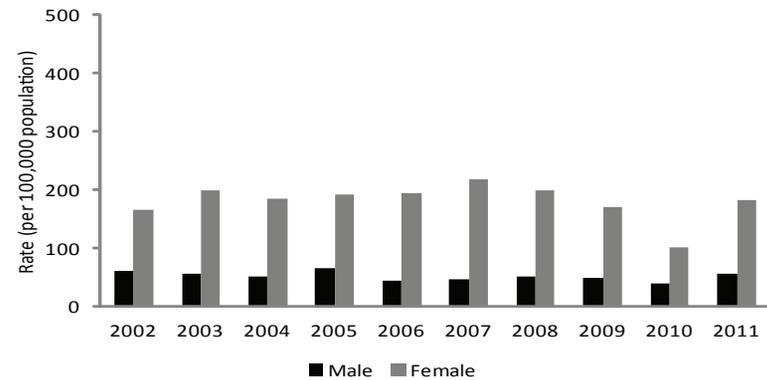
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

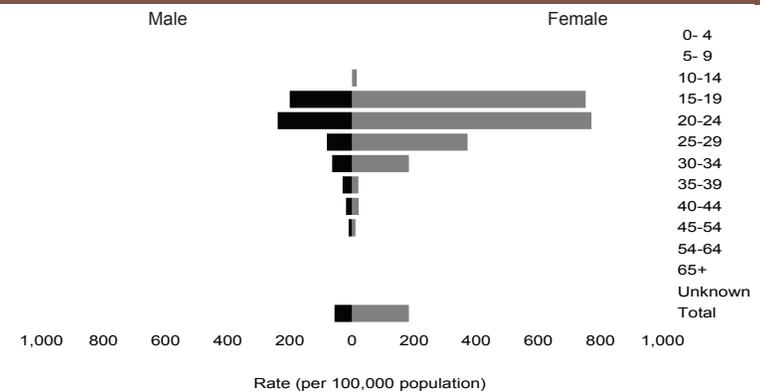
### Total Chlamydia Rates



### Chlamydia Rates by Sex, California Area IHS



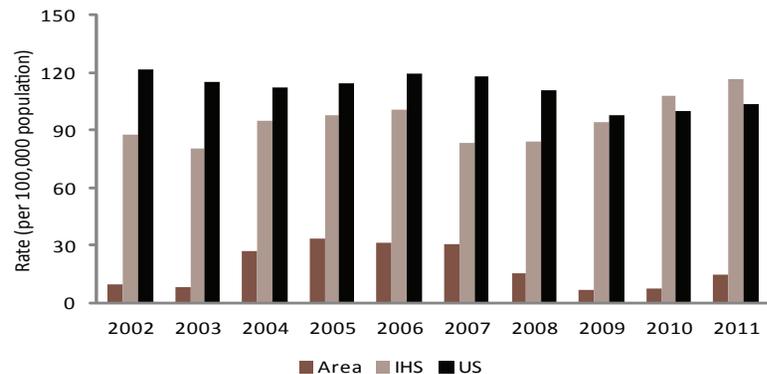
### Chlamydia Rates by Sex and Age, California Area IHS, 2011



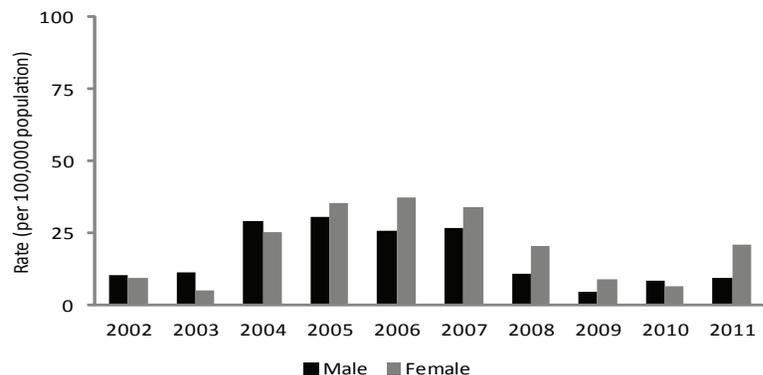
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

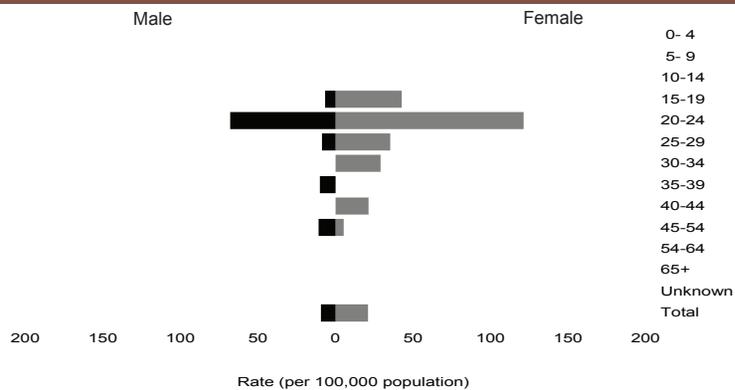
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, California Area IHS



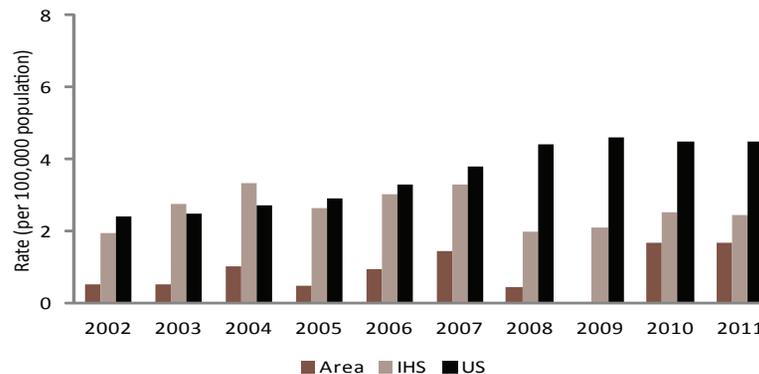
### Gonorrhea Rates by Sex and Age, California Area IHS, 2011



## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

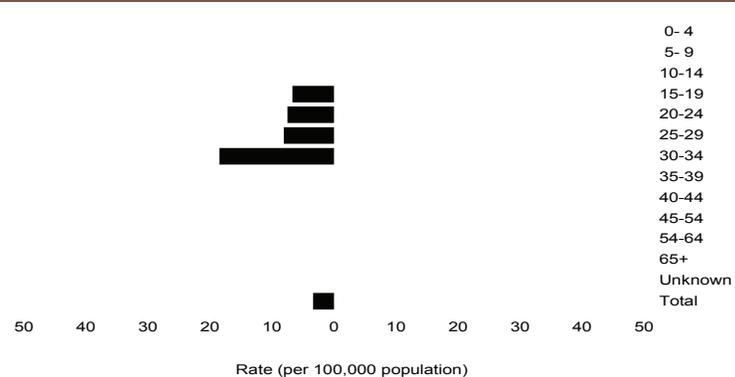
### Total P&S Rates



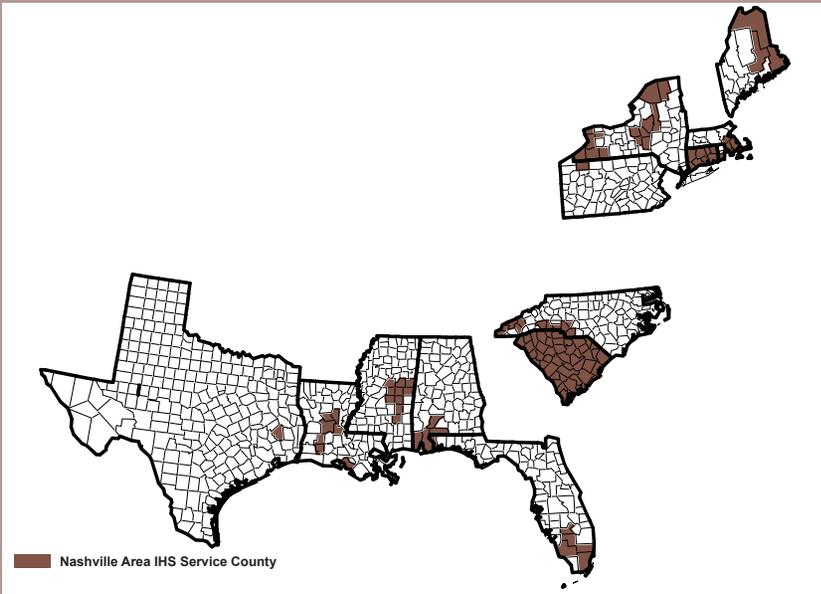
### P&S Rates by Sex, California Area IHS



### P&S Rates by Sex and Age, California Area IHS, 2011



# Nashville Area IHS



## Geography:

- States: 13 (AL, CT, FL, LA, ME, MA, MS, NY, NC, PA, RI, SC, TX)
- Counties: AL (4/67) CT (8/8) FL (6/67) LA (6/64) ME (3/16) MA (1/14) MS (10/82) NY (14/62) NC (11/100) PA (1/67) RI (1/5) SC (46/46) TX (1/254)

Tribes: 24

## IHS Service Population:

- 2011 (est.): 134,501
- Rank: 6 of 12 Areas

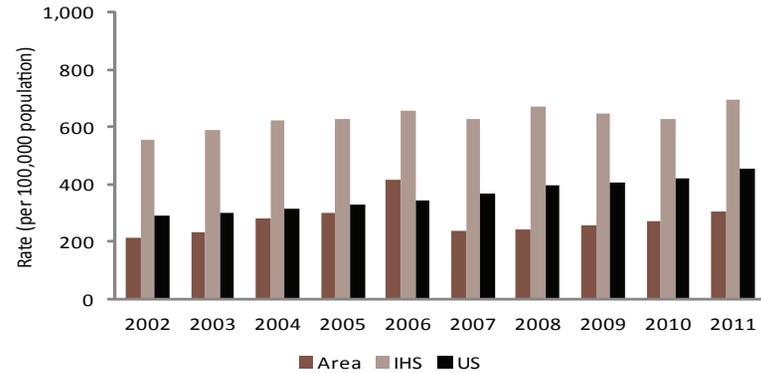
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: Cases with unknown race
- Adjustments: None
- IHS data source: NNDSS
- U.S. data source: NNDSS

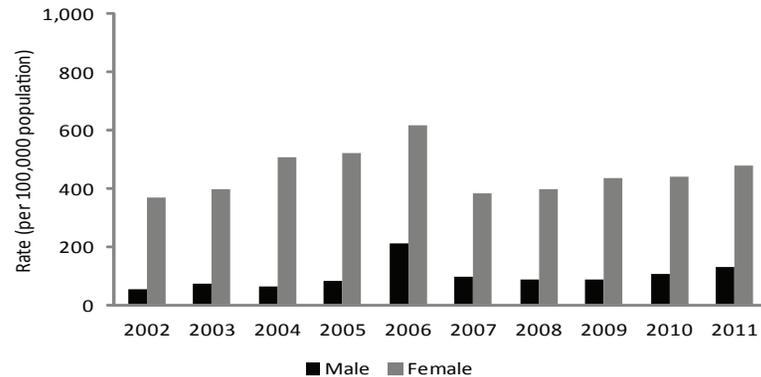
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

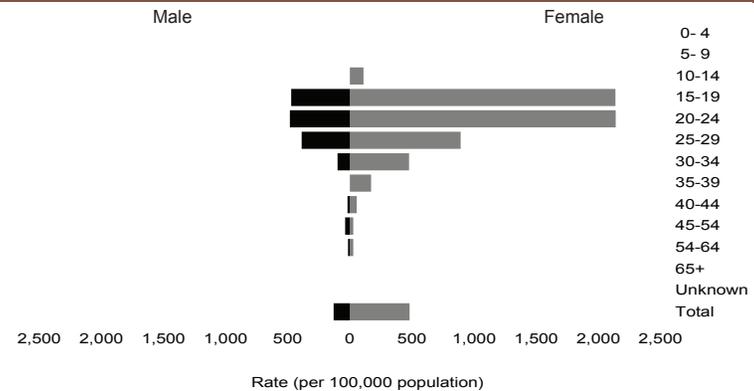
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Nashville Area IHS



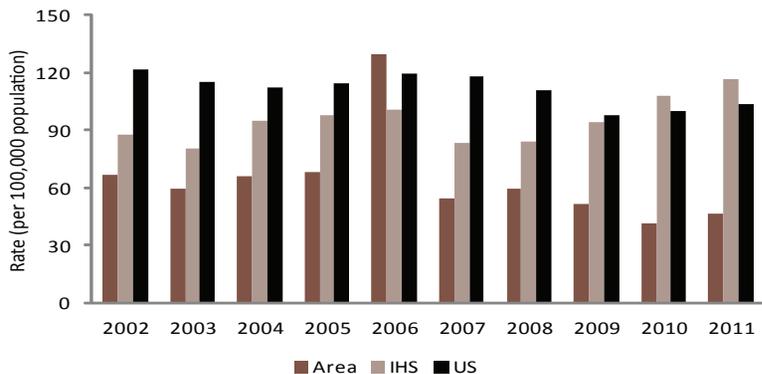
### Chlamydia Rates by Sex and Age, Nashville Area IHS, 2011



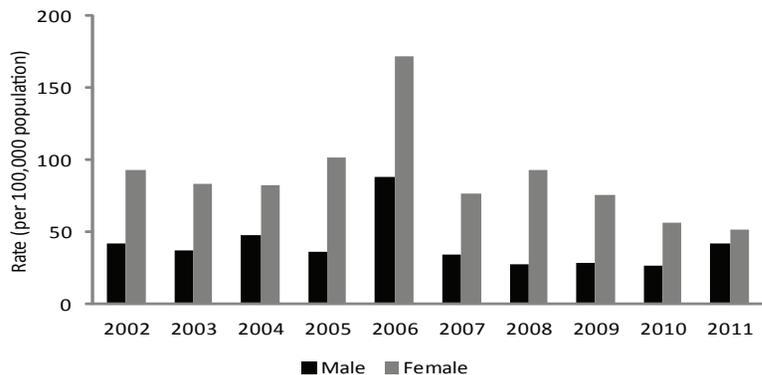
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

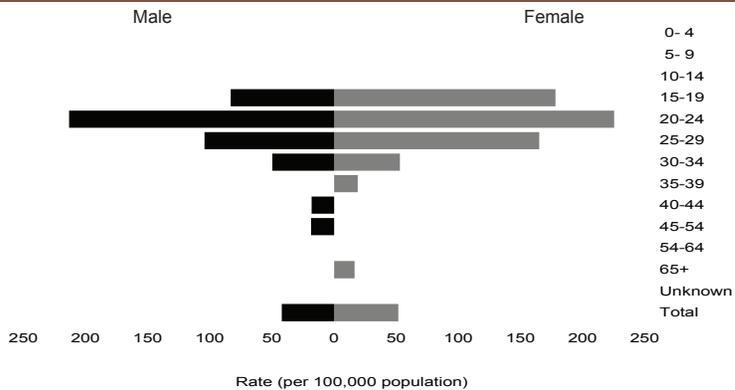
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Nashville Area IHS



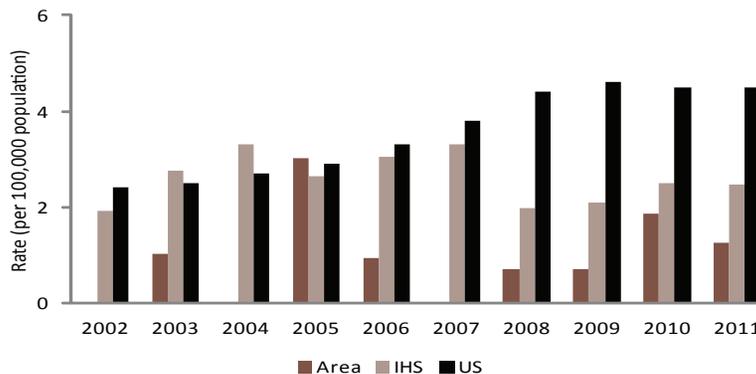
### Gonorrhea Rates by Sex and Age, Nashville Area IHS, 2011



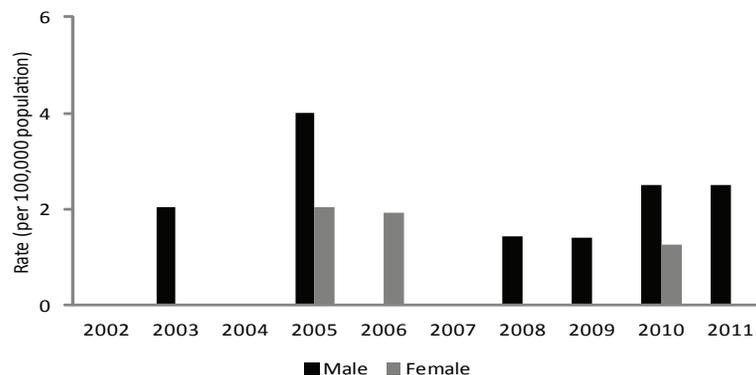
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

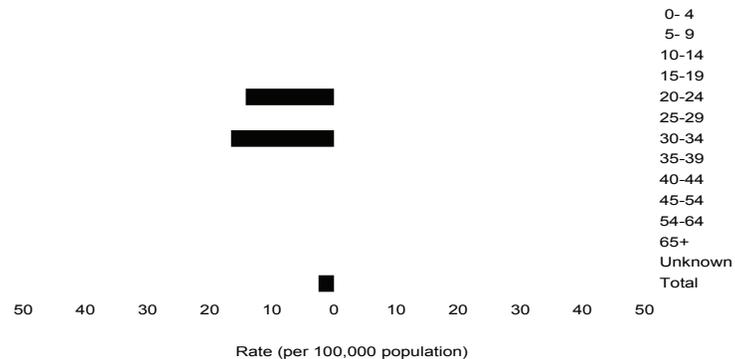
### Total P&S Rates



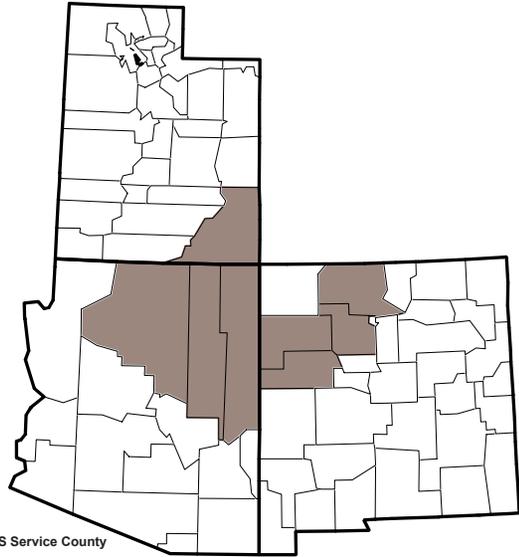
### P&S Rates by Sex, Nashville Area IHS



### P&S Rates by Sex and Age, Nashville Area IHS, 2011



# Navajo Area IHS



■ Navajo Area IHS Service County  
■ Partial Navajo Area IHS Service County

## Geography:

- States: 3 (AZ, NM, UT)
- Counties: AZ (3/15) NM (5/33) UT (2/29)

## Tribes: 2

## IHS Service Population:

- 2011 (est.): 256,211
- Rank: 2 of 12 Areas

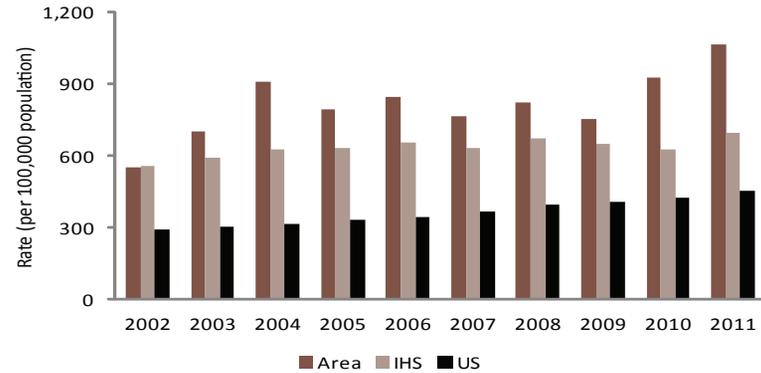
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: Cases with unknown race
- Adjustments: Cases from partial Navajo Area service counties are redistributed
- IHS data source: NNDSS
- U.S. data source: NNDSS

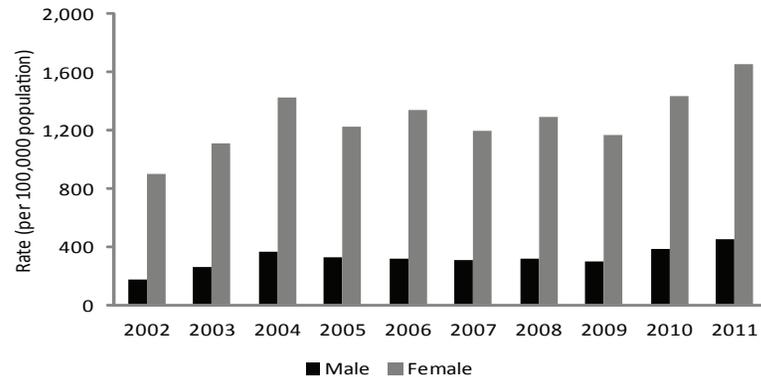
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

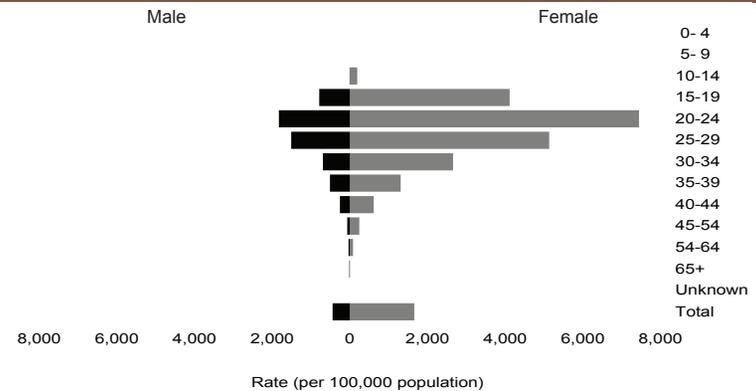
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Navajo Area IHS



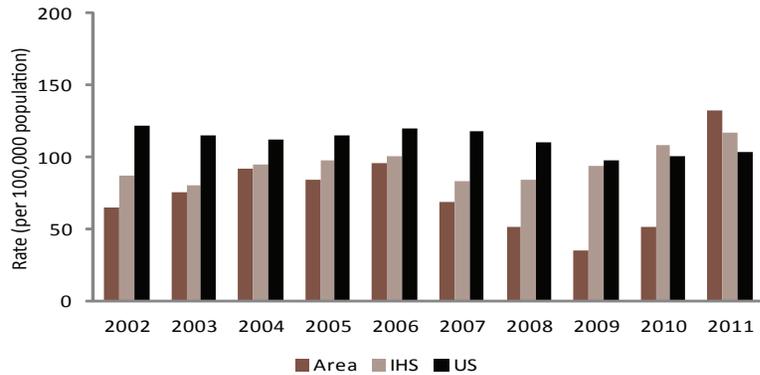
### Chlamydia Rates by Sex and Age, Navajo Area IHS, 2011



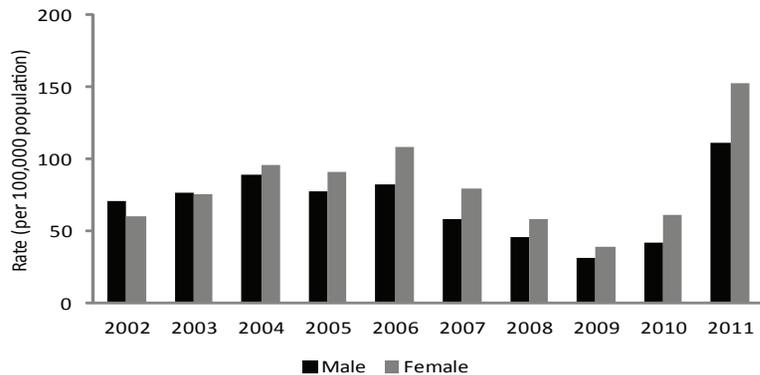
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

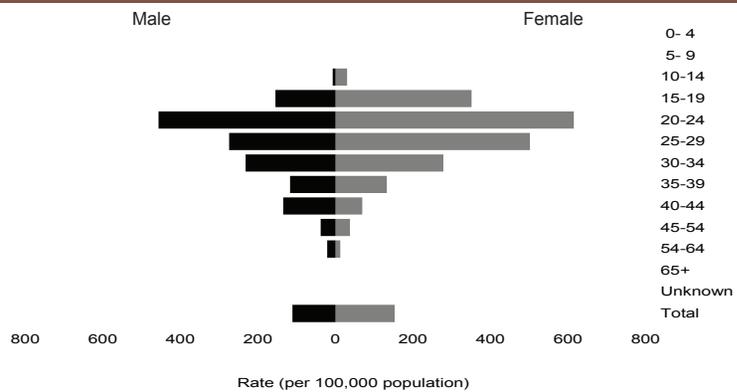
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Navajo Area IHS



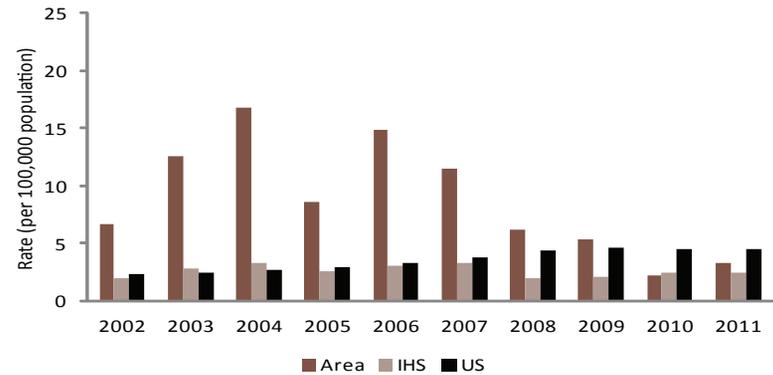
### Gonorrhea Rates by Sex and Age, Navajo Area IHS, 2011



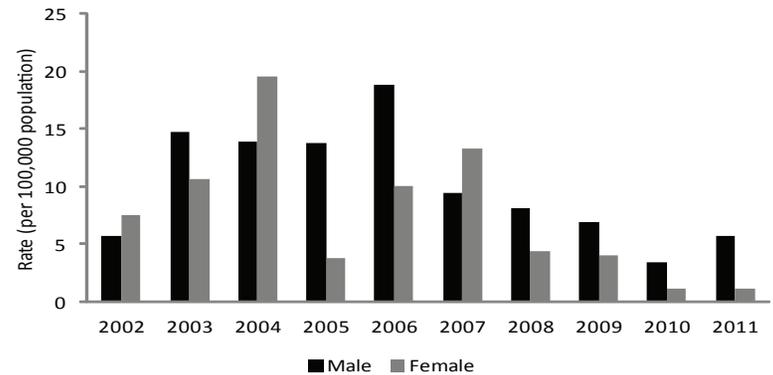
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

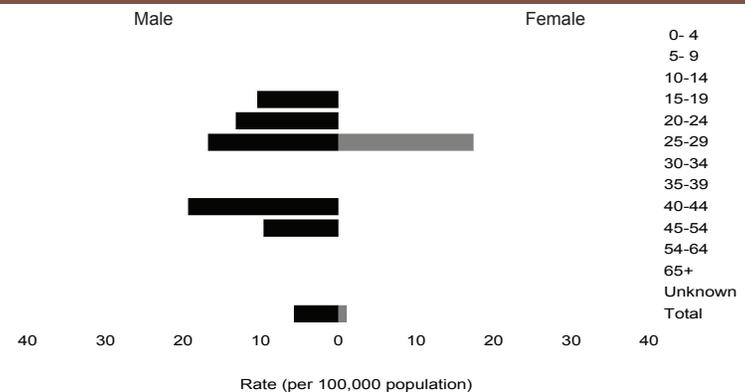
### Total P&S Rates



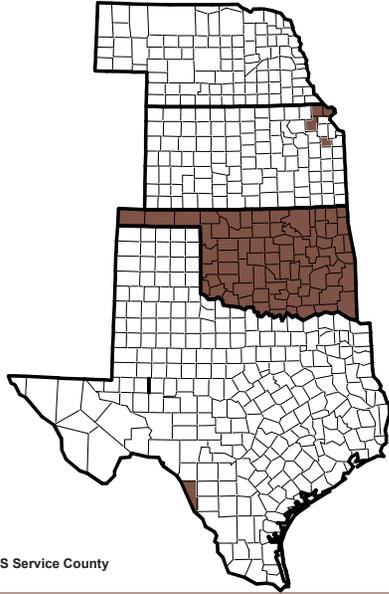
### P&S Rates by Sex, Navajo Area IHS



### P&S Rates by Sex and Age, Navajo Area IHS, 2011



# Oklahoma City Area IHS



## Geography:

- States: 4 (KS, NE, OK, TX)
- Counties: KS (4/105) NE (1/93) OK (77/77) TX (1/254)

Tribes: 37

## IHS Service Population:

- 2011 (est.): 388,412
- Rank: 1 of 12 Areas

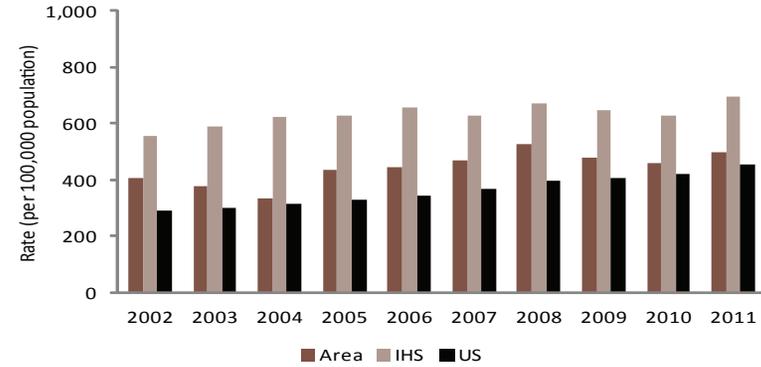
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: Cases with unknown race
- Adjustments: None
- IHS data source: NNDSS
- U.S. data source: NNDSS

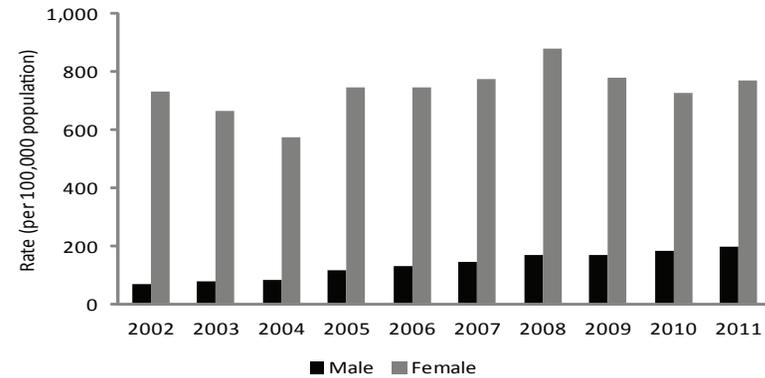
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

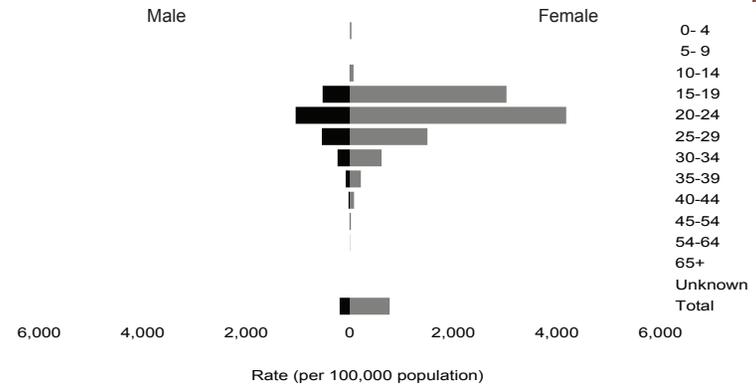
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Oklahoma City Area IHS



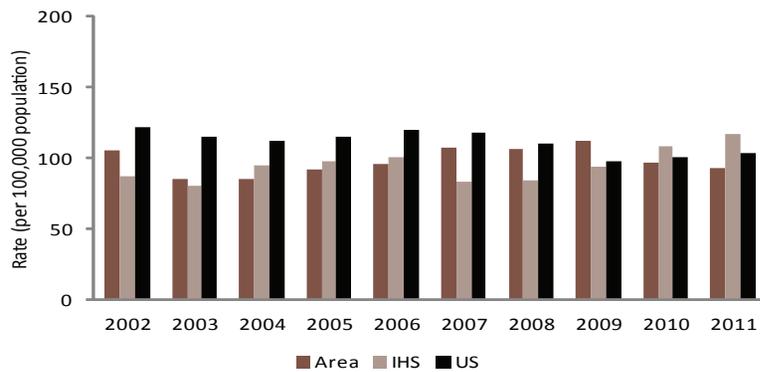
### Chlamydia Rates by Sex and Age, Oklahoma City Area IHS, 2011



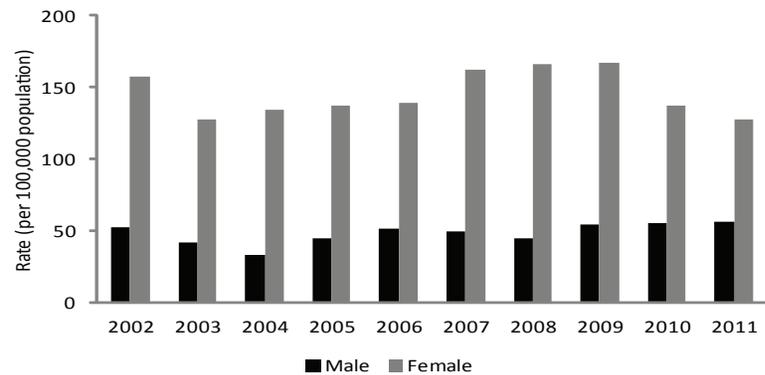
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

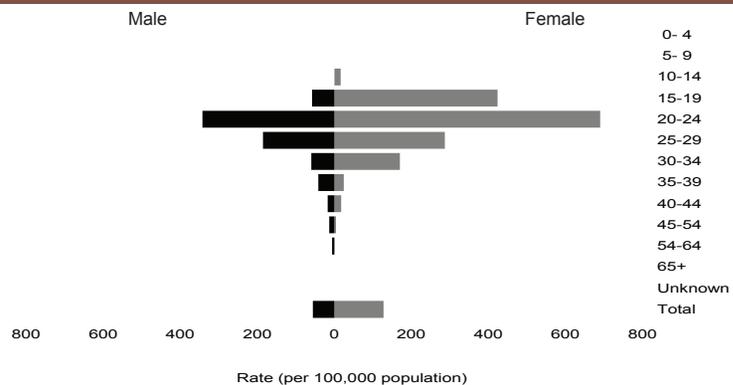
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Oklahoma City Area IHS



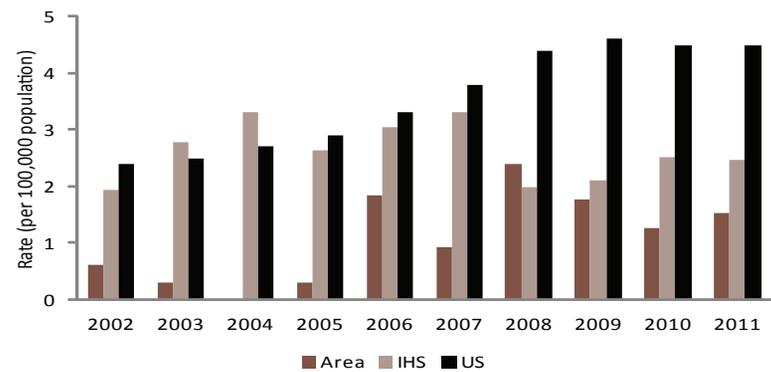
### Gonorrhea Rates by Sex and Age, Oklahoma City Area IHS, 2011



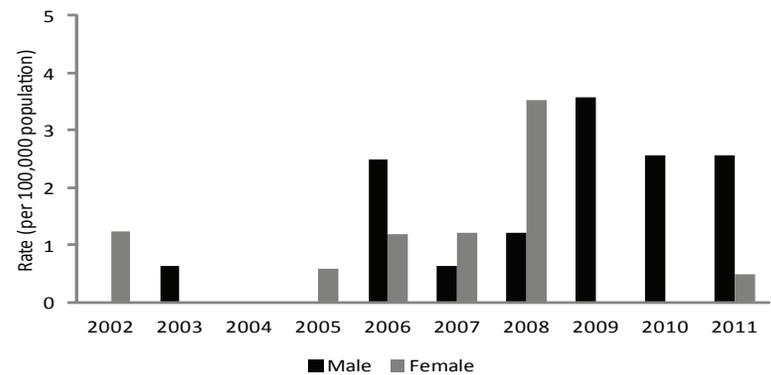
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

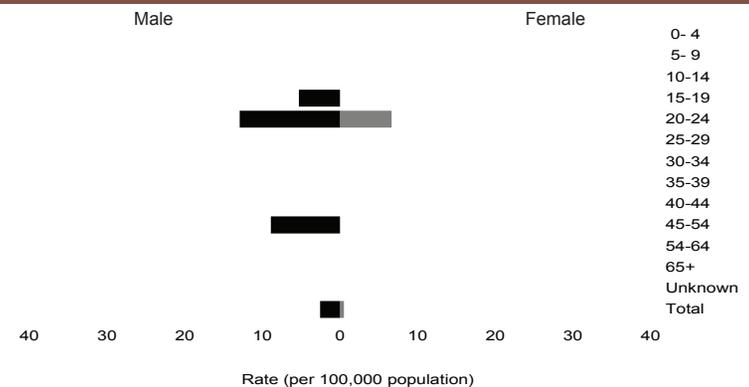
### Total P&S Rates



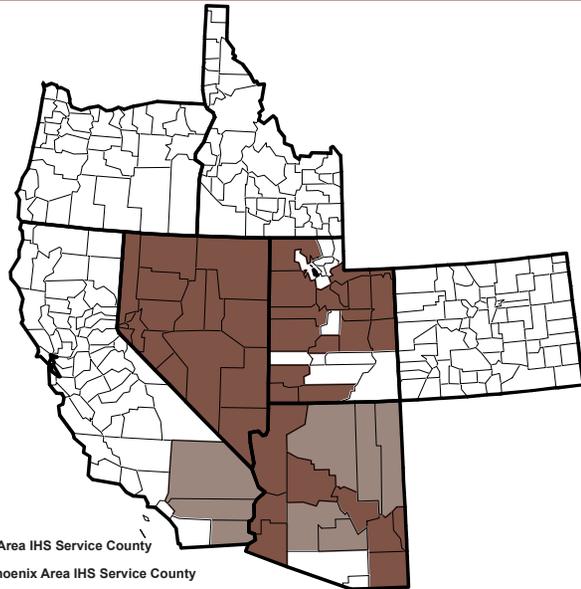
### P&S Rates by Sex, Oklahoma City Area IHS



### P&S Rates by Sex and Age, Oklahoma City Area IHS, 2011



# Phoenix Area IHS



## Geography:

- States: 7 (AZ, CA, CO, ID, NV, OR, UT)
- Counties: AZ (13/15) CA (4/58) CO (1/64) ID (1/44) NV (17/17) OR (1/36) UT (16/29)

Tribes: 41

## IHS Service Population:

- 2011 (est.): 216,988
- Rank: 3 of 12 Areas

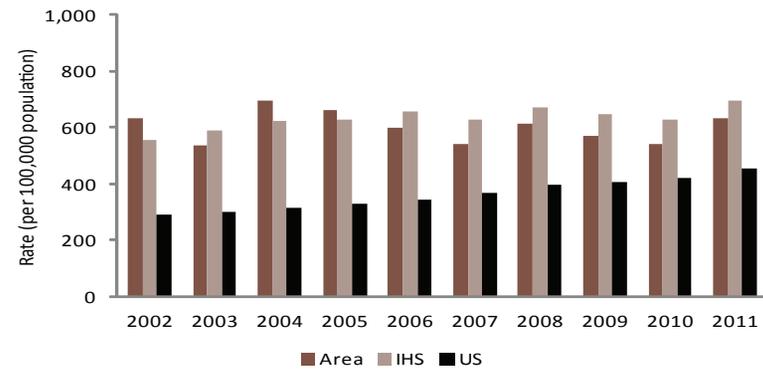
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: CO (chlamydia 03-05); cases with unknown race
- Adjustments: Cases from partial Phoenix Area service counties are redistributed
- IHS data source: NNDSS
- U.S. data source: NNDSS

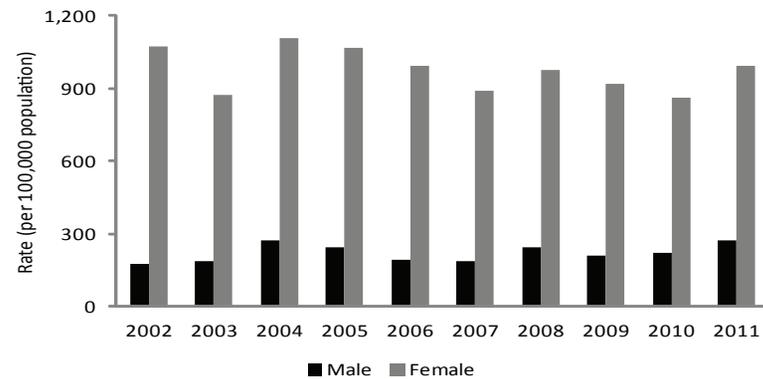
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

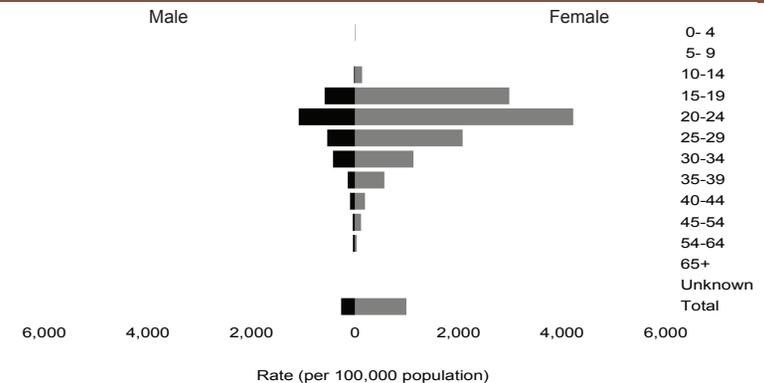
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Phoenix Area IHS



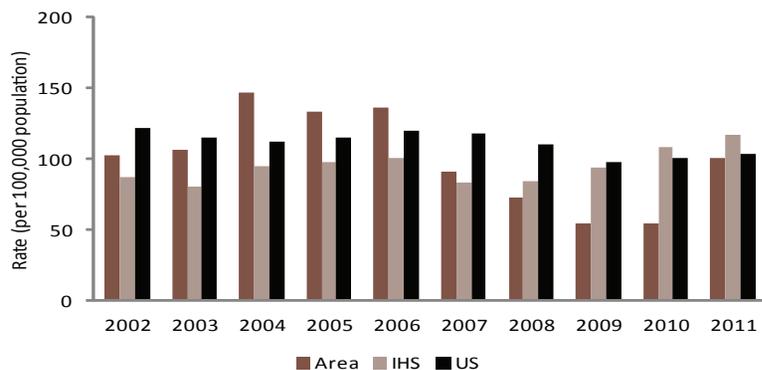
### Chlamydia Rates by Sex and Age, Phoenix Area IHS, 2011



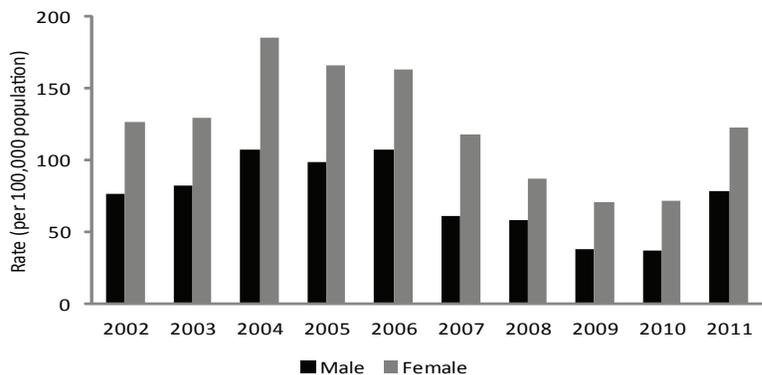
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

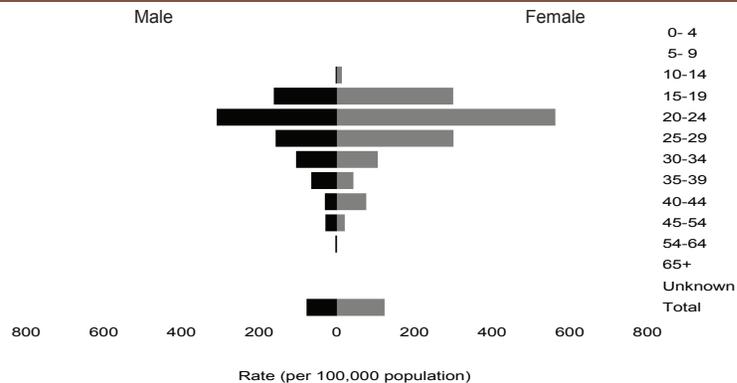
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Phoenix Area IHS



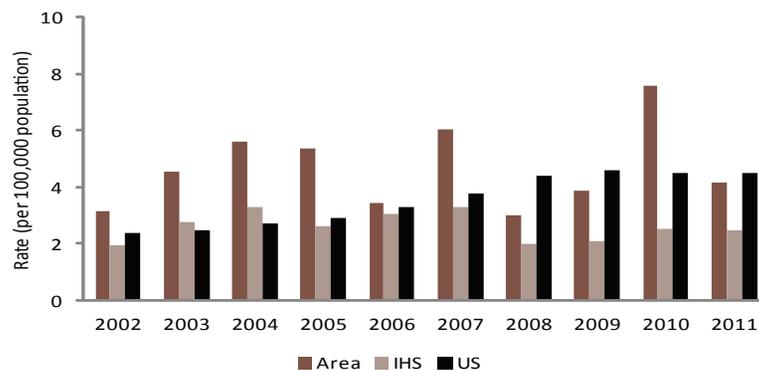
### Gonorrhea Rates by Sex and Age, Phoenix Area IHS, 2011



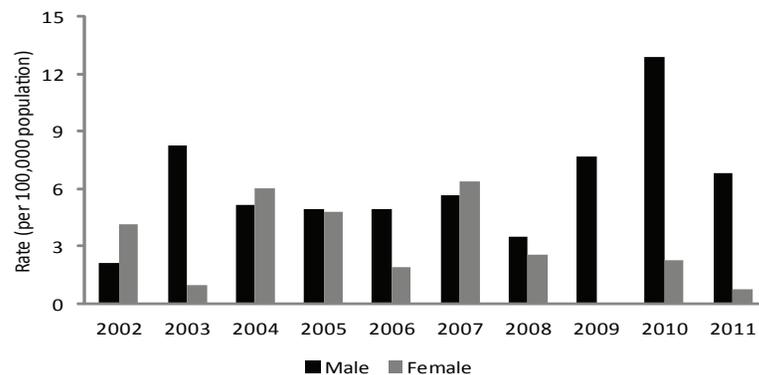
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

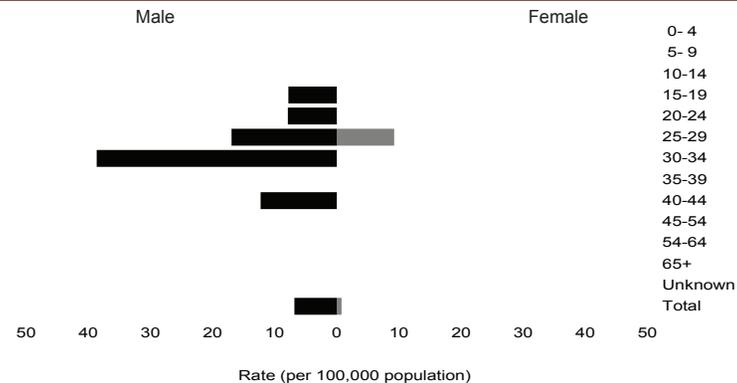
### Total P&S Rates



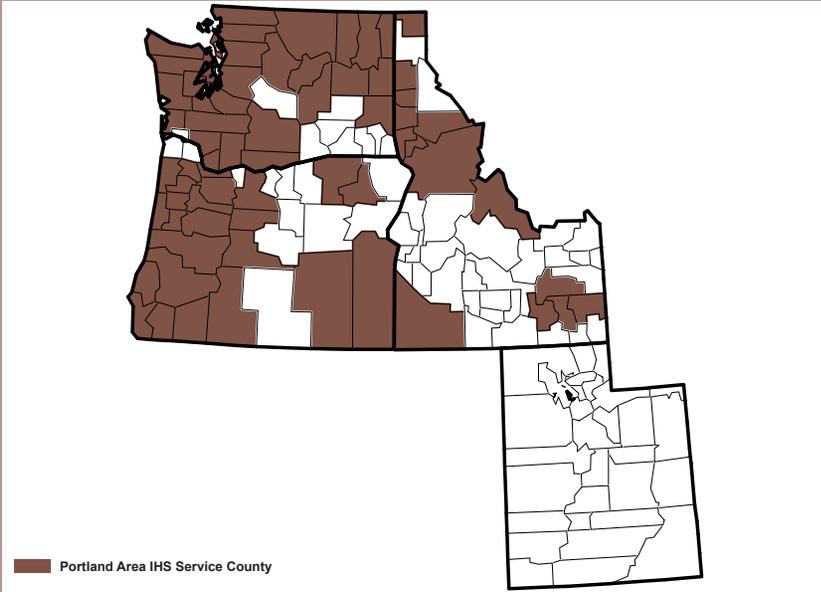
### P&S Rates by Sex, Phoenix Area IHS



### P&S Rates by Sex and Age, Phoenix Area IHS, 2011



# Portland Area IHS



### Geography:

- States: 4 (ID, OR, UT, WA)
- Counties: ID (13/44) OR (23/36) UT (1/29) WA (30/39)

Tribes: 43

### IHS Service Population:

- 2011 (est.): 215,3044
- Rank: 4 of 12 Areas

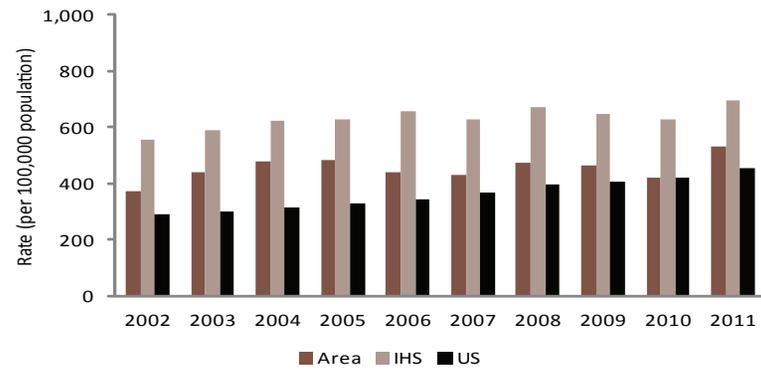
### Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: Cases with unknown race
- Adjustments: None
- IHS data source: NNDSS
- U.S. data source: NNDSS

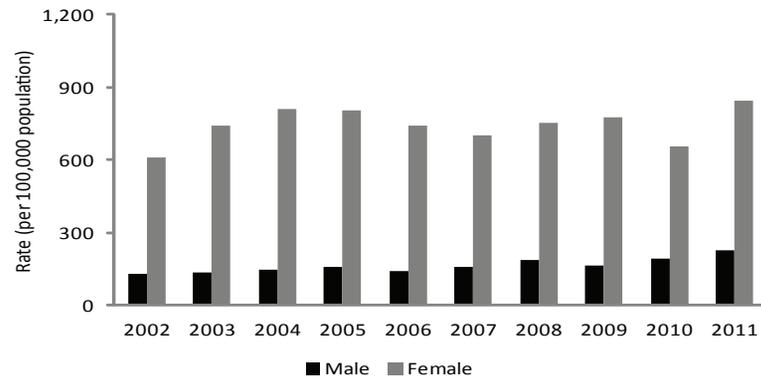
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

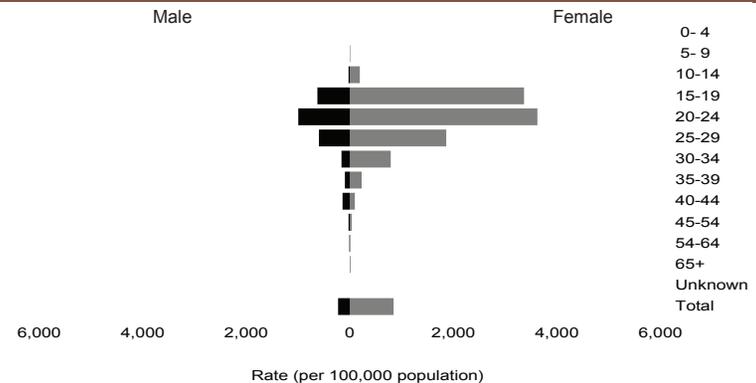
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Portland Area IHS



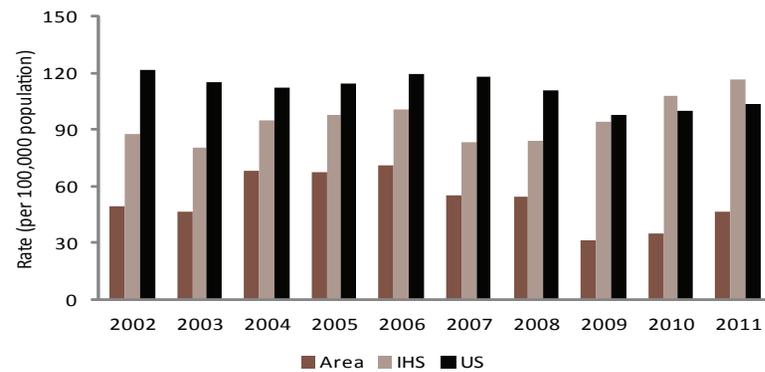
### Chlamydia Rates by Sex and Age, Portland Area IHS, 2011



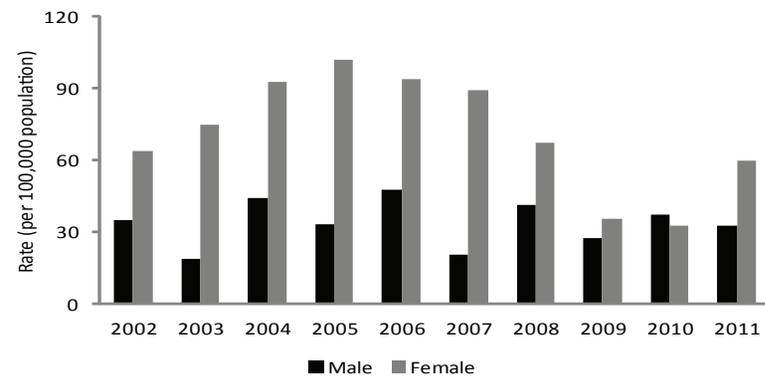
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

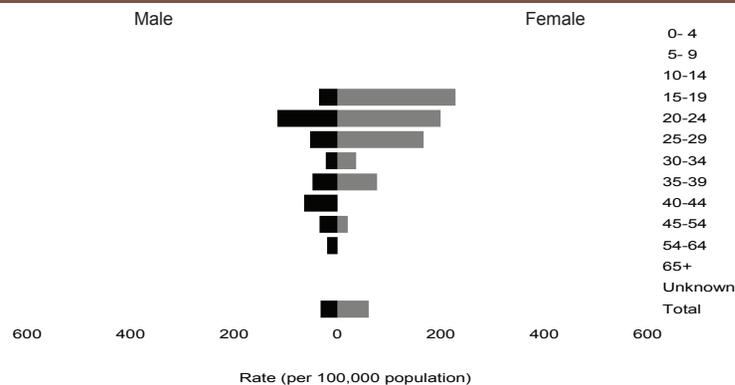
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Portland Area IHS



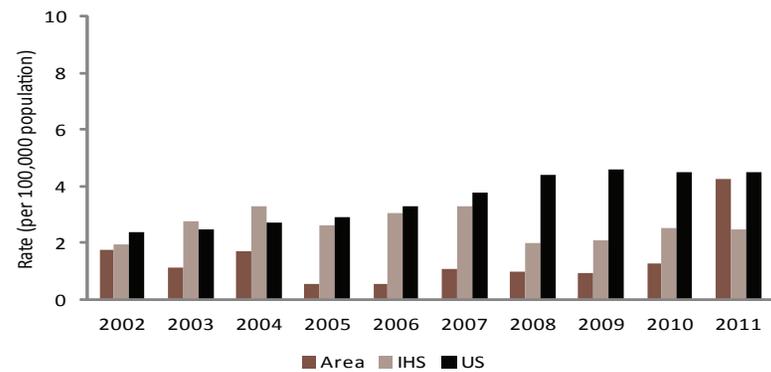
### Gonorrhea Rates by Sex and Age, Portland Area IHS, 2011



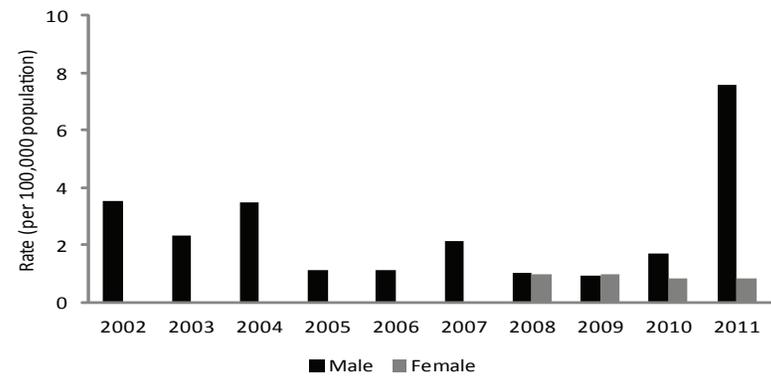
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

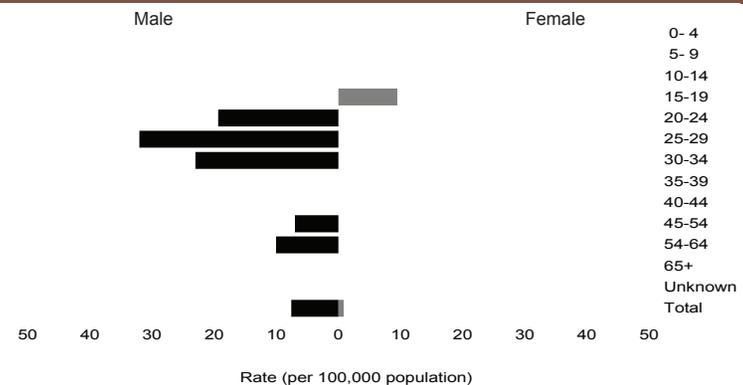
### Total P&S Rates



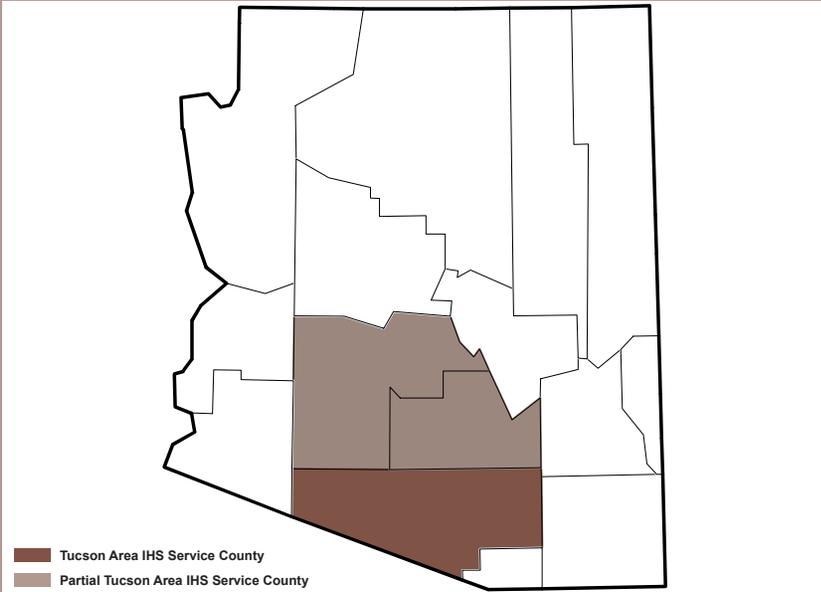
### P&S Rates by Sex, Portland Area IHS



### P&S Rates by Sex and Age, Portland Area IHS, 2011



# Tucson Area IHS



## Geography:

- States: 1 (AZ)
- Counties: AZ (3/15)

## Tribes: 2

## IHS Service Population:

- 2011 (est.): 38,624
- Rank: 12 of 12 Areas

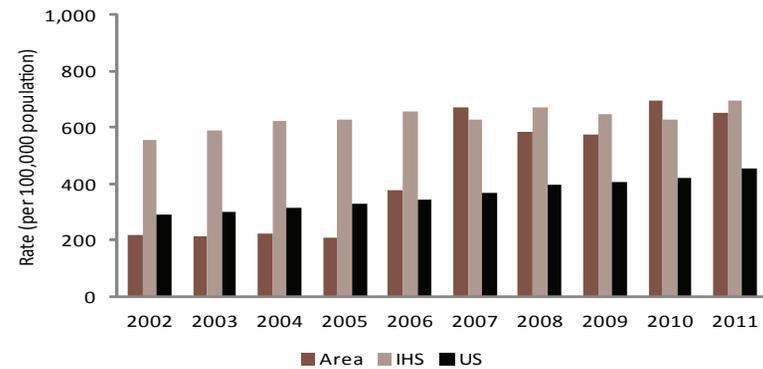
## Notes for the STD graphs:

- IHS rates based on AI/AN living in service counties
- U.S. rates based on all races and ethnicities
- Exclusions: Cases with unknown race
- Adjustments: Cases from partial Tucson Area service counties are redistributed
- IHS data source: NNDSS
- U.S. data source: NNDSS

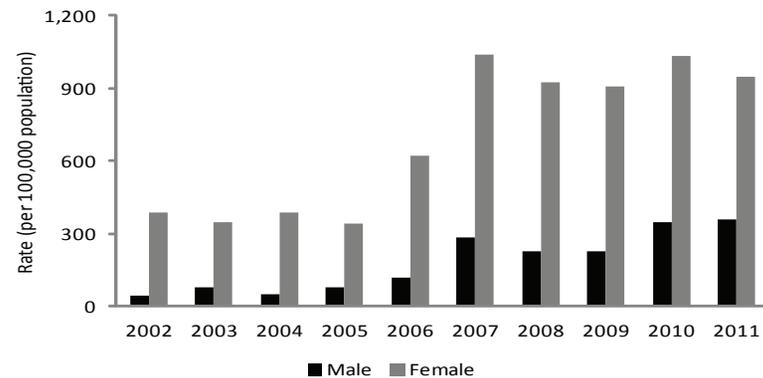
## Chlamydia

Reference: Tables 8A, 8B, 9A, 9B

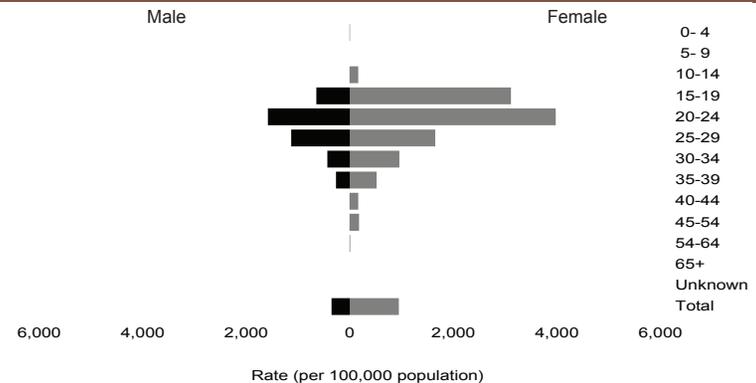
### Total Chlamydia Rates



### Chlamydia Rates by Sex, Tucson Area IHS



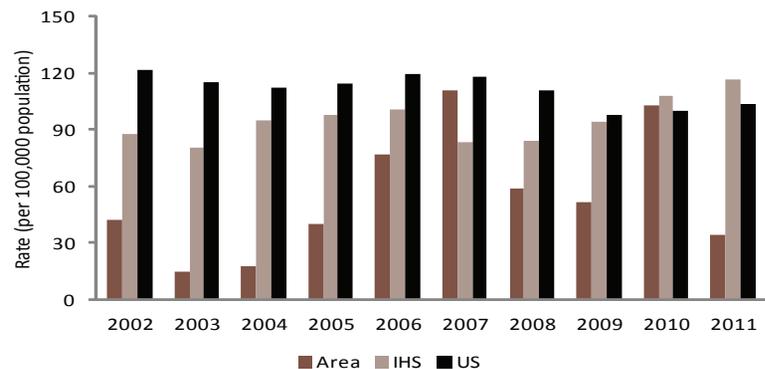
### Chlamydia Rates by Sex and Age, Tucson Area IHS, 2011



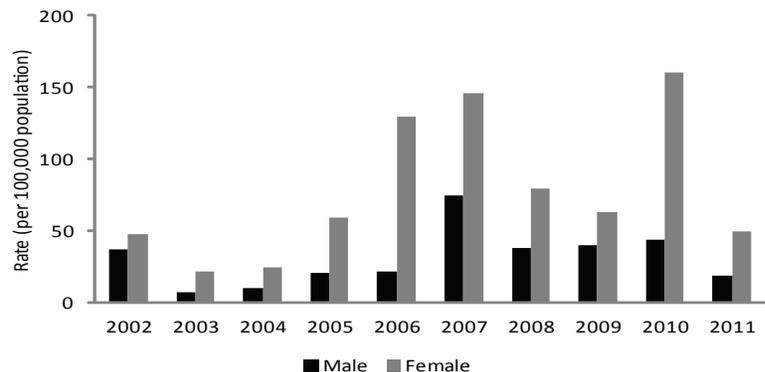
## Gonorrhea

Reference: Tables 10A, 10B, 11A, 11B

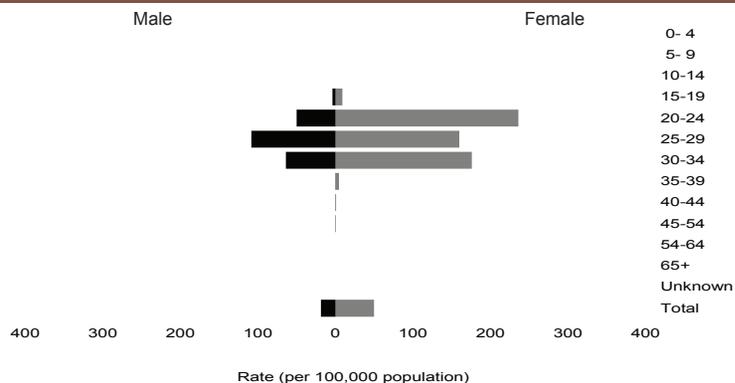
### Total Gonorrhea Rates



### Gonorrhea Rates by Sex, Tucson Area IHS



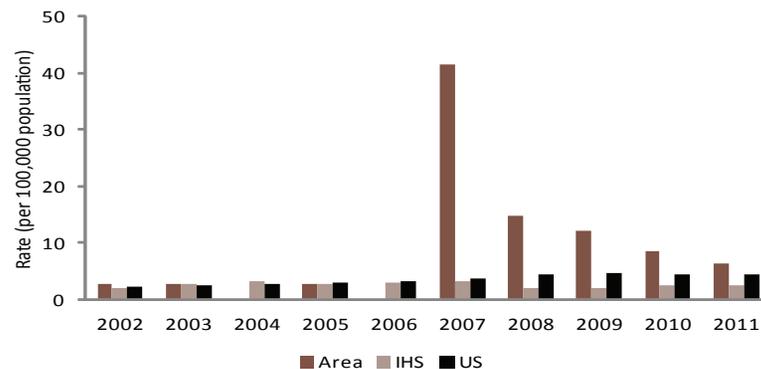
### Gonorrhea Rates by Sex and Age, Tucson Area IHS, 2011



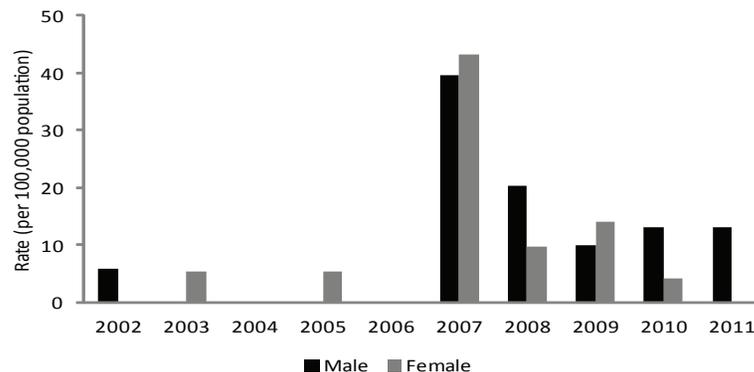
## Primary and Secondary Syphilis (P&S)

Reference: Tables 12A, 12B, 13A, 13B

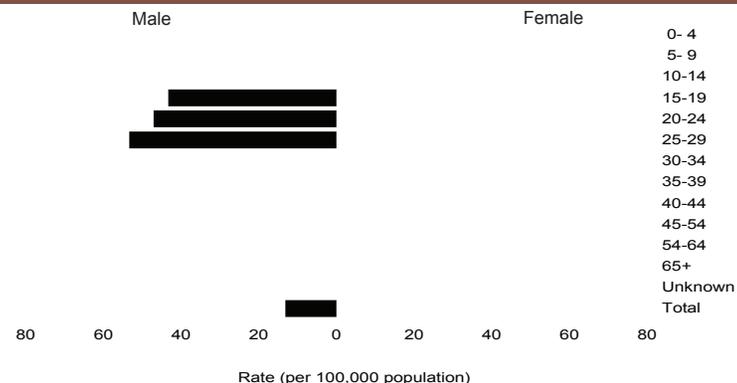
### Total P&S Rates



### P&S Rates by Sex, Tucson Area IHS



### P&S Rates by Sex and Age, Tucson Area IHS, 2011





# **Tables**

**National Tables**

**IHS Area Tables**

# National Tables

**Table 1A Reported STD Cases by Sex: United States, 2006-2011**

Year	Chlamydia			Gonorrhea			Primary and Secondary Syphilis		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
2006	252,630	775,788	1,030,911	170,508	187,033	358,366	8,293	1,458	9,756
2007	280,337	825,660	1,108,374	167,685	187,594	355,991	9,769	1,692	11,466
2008	313,779	893,004	1,210,523	153,103	182,577	336,742	11,255	2,242	13,500
2009	328,783	912,718	1,244,180	137,819	162,568	301,174	11,764	2,232	13,997
2010	353,923	949,802	1,307,893	142,470	165,693	309,341	11,981	1,780	13,774
2011	389,970	1,018,552	1,412,791	149,835	171,005	321,849	12,453	1,501	13,970

Note: Total cases include cases with unknown sex and therefore may not equal male plus female cases. Additional table notes on page 92.

**Table 1B STD Rates per 100,000 Population by Sex: United States, 2006-2011**

Year	Chlamydia			Gonorrhea			Primary and Secondary Syphilis		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
2006	171.3	510.8	344.3	115.6	123.1	119.7	5.6	1.0	3.3
2007	188.6	539.8	367.5	112.8	122.6	118.0	6.6	1.1	3.8
2008	209.3	579.4	398.1	102.1	118.5	110.7	7.5	1.5	4.4
2009	217.1	586.7	405.3	91.0	104.5	98.1	7.8	1.4	4.6
2010	233.2	605.1	423.6	93.9	105.6	100.2	7.9	1.1	4.5
2011	256.9	648.9	457.6	98.7	108.9	104.2	8.2	1.0	4.5

Note: Total cases include cases with unknown sex and therefore may not equal male plus female cases. Additional table notes on page 92.

# National Tables

**Table 2A Chlamydia - Reported Cases by Race/Ethnicity and Sex: United States, 2006-2011**

Year	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
2006	2,863	11,154	16	14,033	48,860	173,350	141	222,351	99,507	247,506	234	347,247
2007	2,718	10,433	10	13,161	53,675	183,892	137	237,704	114,700	272,434	318	387,452
2008	3,034	11,449	21	14,504	58,745	193,119	215	252,079	126,773	294,506	387	421,666
2009	3,081	11,248	18	14,347	62,787	198,281	203	261,271	134,065	301,646	399	436,110
2010	3,550	11,908	12	15,470	69,388	210,914	163	280,465	141,346	312,020	337	453,703
2011	3,744	12,872	42	16,658	80,958	236,788	526	318,272	148,186	322,370	479	471,035

Year	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)		
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Total
2006	35,114	112,345	166	147,625	2,927	10,134	30	13,091	252,630	775,788	1,030,911
2007	36,763	115,599	166	152,528	3,308	10,723	30	14,061	280,337	825,660	1,108,374
2008	41,799	125,327	180	167,306	3,901	12,403	44	16,348	313,779	893,004	1,210,523
2009	43,454	127,726	157	171,337	3,925	12,446	35	16,406	328,783	912,718	1,244,180
2010	46,213	132,608	158	178,979	4,322	12,903	21	17,246	353,923	949,802	1,307,893
2011	49,657	143,722	244	193,623	4,716	13,856	26	18,598	389,970	1,018,552	1,412,791

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 92.  
 In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 26.1% of reported chlamydia cases.

**Table 2B Chlamydia - Rates per 100,000 Population by Race/Ethnicity and Sex:  
United States, 2006-2011**

Year	American Indian/Alaska Native, Non Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
2006	234.3	885.1		565.3	49.6	169.5		110.7	552.9	1,253.0		919.8
2007	220.2	818.8		524.7	54.3	179.6		118.1	630.5	1,365.3		1,015.7
2008	239.4	875.8		563.4	59.3	188.1		125.0	693.7	1,469.8		1,100.6
2009	239.9	848.9		549.8	63.2	192.8		129.2	722.5	1,485.4		1,122.2
2010	281.5	910.1		602.0	70.5	207.3		140.1	751.4	1,512.8		1,150.4
2011	296.9	983.8		648.3	82.3	232.7		159.0	787.7	1,563.0		1,194.4

Year	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)		
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Total
2006	153.2	525.1		333.1	42.9	140.3		93.2	171.3	510.8	344.3
2007	156.3	525.9		335.2	47.7	146.2		98.5	188.6	539.8	367.5
2008	172.3	552.4		356.4	55.4	166.6		112.9	209.3	579.4	398.1
2009	173.4	546.7		353.9	54.2	161.3		109.7	217.1	586.7	405.3
2010	180.4	533.4		354.6	56.1	153.0		106.9	233.2	605.1	423.6
2011	193.8	578.2		383.6	61.2	164.3		115.3	256.9	648.9	457.6

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 92.  
In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 26.1% of reported chlamydia cases.

# National Tables

**Table 3A Chlamydia - Reported Cases by Race/Ethnicity, Age Group, and Sex: United States, 2011**

Age Group	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	1	9	0	10	47	92	0	139	100	136	1	237
5-9	0	2	0	2	4	20	1	25	12	42	0	54
10-14	13	172	0	185	140	1,974	7	2,121	864	5,693	3	6,560
15-19	919	4,093	13	5,025	13,454	80,372	153	93,979	41,117	129,976	181	171,274
20-24	1,383	4,789	17	6,189	33,231	99,732	210	133,173	56,770	121,948	169	178,887
25-29	771	2,119	9	2,899	17,182	33,592	97	50,871	25,074	39,663	67	64,804
30-34	336	918	2	1,256	7,554	12,153	29	19,736	11,903	14,693	21	26,617
35-39	144	406	1	551	3,429	4,620	13	8,062	5,593	5,369	14	10,976
40-44	85	164	0	249	2,398	2,177	6	4,581	3,141	2,341	6	5,488
45-54	72	157	0	229	2,606	1,470	3	4,079	2,811	1,835	8	4,654
55-64	15	34	0	49	671	294	0	965	599	400	0	999
65+	1	4	0	5	156	80	0	236	99	70	0	169
Unknown	4	5	0	9	86	212	7	305	103	204	9	316
All Ages	3,744	12,872	42	16,658	80,958	236,788	526	318,272	148,186	322,370	479	471,035

Age Group	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	29	47	0	76	1	5	0	6	284	458	5	747
5-9	0	23	0	23	0	2	0	2	24	118	1	143
10-14	189	1,604	3	1,796	7	80	1	88	1,743	13,588	74	15,405
15-19	10,500	46,227	62	56,789	515	3,152	4	3,671	90,764	366,818	1,447	459,029
20-24	18,469	54,030	93	72,592	1,448	5,235	7	6,690	147,948	393,534	1,465	542,947
25-29	10,455	22,924	46	33,425	1,156	2,691	4	3,851	73,357	140,628	549	214,534
30-34	5,051	10,364	24	15,439	636	1,258	4	1,898	34,971	56,562	254	91,787
35-39	2,377	4,824	7	7,208	374	703	2	1,079	16,911	23,711	112	40,734
40-44	1,346	2,078	3	3,427	231	349	2	582	10,460	11,120	74	21,654
45-54	965	1,206	1	2,172	255	256	2	513	9,910	8,182	44	18,136
55-64	162	216	1	379	68	94	0	162	2,300	1,903	7	4,210
65+	38	52	1	91	15	11	0	26	569	486	9	1,064
Unknown	76	127	3	206	10	20	0	30	729	1,444	228	2,401
All Ages	49,657	143,722	244	193,623	4,716	13,856	26	18,598	389,970	1,018,552	4,269	1,412,791

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 92.  
 In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 26.1% of reported chlamydia cases.

**Table 3B Chlamydia - Rates per 100,000 Population by Race/Ethnicity, Age Group, and Sex: United States, 2011**

Age Group	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	0.9	8.7		4.8	0.9	1.8		1.3	6.4	9.0		7.7
5-9	0.0	2.0		1.0	0.1	0.4		0.2	0.8	2.8		1.8
10-14	12.0	163.7		86.8	2.3	34.4		18.0	53.9	368.2		208.4
15-19	781.4	3,624.4		2,179.7	207.1	1,301.5		741.7	2,301.6	7,507.1		4,868.7
20-24	1,332.1	4,688.0		3,004.8	516.4	1,595.5		1,049.8	3,662.0	7,680.2		5,700.5
25-29	840.0	2,267.8		1,565.2	273.6	544.1		408.5	1,867.9	2,726.8		2,317.0
30-34	405.4	1,082.2		749.0	128.2	209.6		168.8	956.0	1,061.0		1,012.1
35-39	179.7	486.7		336.9	56.1	76.4		66.3	456.1	387.9		420.5
40-44	104.0	190.8		148.4	35.8	32.6		34.2	249.8	166.7		206.2
45-54	41.4	82.9		63.0	16.7	9.3		13.0	108.5	62.7		84.4
55-64	12.2	25.2		19.0	5.0	2.1		3.5	33.9	18.9		25.7
65+	1.1	3.6		2.5	1.1	0.4		0.7	7.3	3.4		4.9
Unknown	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
All Ages	296.9	983.8		648.3	82.3	232.7		159.0	787.7	1,563.0		1,194.4
Age Group	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	1.1	1.9		1.5	0.2	1.0		0.6	2.8	4.6		3.7
5-9	0.0	1.0		0.5	0.0	0.4		0.2	0.2	1.2		0.7
10-14	8.2	72.5		39.7	1.4	15.9		8.7	16.5	134.6		74.5
15-19	447.6	2,114.6		1,253.0	92.3	593.8		337.1	803.0	3,416.5		2,082.7
20-24	802.2	2,674.8		1,679.5	232.4	857.0		542.2	1,343.3	3,722.5		2,515.3
25-29	459.3	1,126.9		775.4	178.8	379.0		283.9	689.7	1,343.6		1,016.7
30-34	235.7	523.1		374.3	100.5	175.6		140.6	349.8	567.6		459.8
35-39	120.6	255.8		186.9	56.9	95.5		77.4	168.4	233.9		201.9
40-44	76.3	123.8		99.6	39.5	53.0		46.8	100.6	105.9		103.7
45-54	35.3	44.2		39.8	24.6	21.6		23.1	44.8	35.8		40.3
55-64	10.6	12.9		11.8	9.2	10.5		9.9	13.1	10.1		11.5
65+	3.2	3.3		3.3	2.4	1.3		1.8	3.3	2.1		2.6
Unknown	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
All Ages	193.8	578.2		383.6	61.2	164.3		115.3	256.9	648.9		457.6

Note: Table notes on page 92.

In 2011, race/ethnicity was unknown (i. e., unknown, missing , or invalid data values) for 26.1% of reported chlamydia cases.

# National Tables

**Table 4A Gonorrhea - Reported Cases by Race/Ethnicity and Sex:  
United States, 2006-2011**

Year	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
2006	953	1,653	5	2,611	21,824	34,316	46	56,186	98,637	91,853	107	190,597
2007	675	1,397	4	2,076	20,706	33,619	35	54,360	99,353	97,016	148	196,517
2008	736	1,422	2	2,160	17,801	30,823	55	48,679	90,963	96,194	196	187,353
2009	787	1,479	5	2,271	16,829	25,999	56	42,884	80,898	86,379	252	167,529
2010	989	1,769	1	2,759	19,373	27,364	37	46,774	80,445	87,484	153	168,082
2011	1,064	1,901	7	2,972	21,744	28,527	90	50,361	80,580	87,728	207	168,515

Year	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)		
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Total
2006	12,208	13,310	37	25,555	1,015	1,189	3	2,207	170,508	187,033	358,366
2007	11,723	12,313	35	24,071	970	1,095	0	2,065	167,685	187,594	355,991
2008	11,411	12,449	28	23,888	1,050	1,172	7	2,229	153,103	182,577	336,742
2009	10,561	11,016	22	21,599	985	1,057	5	2,047	137,819	162,568	301,174
2010	12,201	11,939	28	24,168	1,239	1,079	5	2,323	142,470	165,693	309,341
2011	13,808	13,331	37	27,176	1,308	1,116	7	2,431	149,835	171,005	321,849

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 92.  
In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 20.4% of reported gonorrhea cases.

**Table 4B Gonorrhea - Rates per 100,000 Population by Race/Ethnicity and Sex:  
United States, 2006-2011**

Year	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
2006	78.0	131.2		105.2	22.1	33.6		28.0	548.0	465.0		504.9
2007	54.7	109.6		82.8	21.0	32.8		27.0	546.1	486.2		515.2
2008	58.1	108.8		83.9	18.0	30.0		24.1	497.7	480.1		489.0
2009	61.3	111.6		87.0	16.9	25.3		21.2	436.0	425.4		431.1
2010	78.4	135.2		107.4	19.7	26.9		23.4	427.6	424.2		426.2
2011	84.4	145.3		115.7	22.1	28.0		25.2	428.3	425.4		427.3

Year	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)		
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Total
2006	53.3	62.2		57.7	14.9	16.5		15.7	115.6	123.1	119.7
2007	49.8	56.0		52.9	14.0	14.9		14.5	112.8	122.6	118.0
2008	47.0	54.9		50.9	14.9	15.7		15.4	102.1	118.5	110.7
2009	42.1	47.2		44.6	13.6	13.7		13.7	91.0	104.5	98.1
2010	47.6	48.0		47.9	16.1	12.8		14.4	93.9	105.6	100.2
2011	53.9	53.6		53.8	17.0	13.2		15.1	98.7	108.9	104.2

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 92.  
In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 20.4% of reported gonorrhea cases.

# National Tables

**Table 5A Gonorrhea - Reported Cases by Race/Ethnicity, Age Group, and Sex: United States, 2011**

Age Group	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	0	2	0	2	7	20	0	27	22	65	1	88
5-9	0	3	0	3	1	4	0	5	8	37	0	45
10-14	3	23	0	26	29	211	3	243	321	1,535	1	1,857
15-19	157	479	1	637	2,058	7,482	16	9,556	17,148	33,409	62	50,619
20-24	369	683	2	1,054	5,906	10,576	29	16,511	29,069	32,557	78	61,704
25-29	223	368	2	593	4,451	5,261	17	9,729	14,890	11,550	26	26,466
30-34	116	160	2	278	2,829	2,357	12	5,198	7,902	4,813	17	12,732
35-39	66	71	0	137	1,789	1,153	5	2,947	4,101	1,978	3	6,082
40-44	44	52	0	96	1,644	683	2	2,329	2,797	915	3	3,715
45-54	69	54	0	123	2,205	624	3	2,832	3,226	697	6	3,929
55-64	12	4	0	16	646	119	0	765	904	114	3	1,021
65+	4	1	0	5	155	22	0	177	144	20	0	164
Unknown	1	1	0	2	24	15	3	42	48	38	7	93
All Ages	1,064	1,901	7	2,972	21,744	28,527	90	50,361	80,580	87,728	207	168,515

Age Group	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	3	10	0	13	0	1	0	1	43	136	3	182
5-9	2	7	0	9	0	0	0	0	15	66	1	82
10-14	40	175	0	215	1	7	1	9	548	2,648	27	3,223
15-19	2,150	4,098	6	6,254	113	306	0	419	28,102	59,747	290	88,139
20-24	4,409	4,781	16	9,206	365	374	1	740	49,633	61,756	341	111,730
25-29	3,100	2,194	5	5,299	292	189	1	482	28,288	24,821	136	53,245
30-34	1,729	1,067	5	2,801	202	86	1	289	16,044	11,044	69	27,157
35-39	936	516	1	1,453	125	66	3	194	8,972	5,096	41	14,109
40-44	679	256	3	938	101	40	0	141	6,955	2,708	23	9,686
45-54	601	179	1	781	83	33	0	116	8,222	2,222	29	10,473
55-64	121	35	0	156	18	12	0	30	2,270	471	6	2,747
65+	15	2	0	17	5	1	0	6	485	99	3	587
Unknown	23	11	0	34	3	1	0	4	258	191	40	489
All Ages	13,808	13,331	37	27,176	1,308	1,116	7	2,431	149,835	171,005	1,009	321,849

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 92.  
 In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 20.4% of reported gonorrhea cases.

**Table 5B Gonorrhea - Rates per 100,000 Population by Race/Ethnicity, Age Group, and Sex: United States, 2011**

Age Group	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	0.0	1.9		1.0	0.1	0.4		0.3	1.4	4.3		2.9
5-9	0.0	2.9		1.4	0.0	0.1		0.0	0.5	2.5		1.5
10-14	2.8	21.9		12.2	0.5	3.7		2.1	20.0	99.3		59.0
15-19	133.5	424.2		276.3	31.7	121.2		75.4	959.9	1,929.6		1,438.9
20-24	355.4	668.6		511.7	91.8	169.2		130.2	1,875.1	2,050.4		1,966.3
25-29	243.0	393.8		320.2	70.9	85.2		78.1	1,109.3	794.1		946.3
30-34	140.0	188.6		165.8	48.0	40.7		44.5	634.6	347.6		484.1
35-39	82.4	85.1		83.8	29.3	19.1		24.2	334.4	142.9		233.0
40-44	53.8	60.5		57.2	24.5	10.2		17.4	222.4	65.1		139.6
45-54	39.7	28.5		33.9	14.1	3.9		9.0	124.5	23.8		71.2
55-64	9.8	3.0		6.2	4.8	0.8		2.8	51.1	5.4		26.3
65+	4.6	0.9		2.5	1.1	0.1		0.5	10.7	1.0		4.8
Unknown	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
All Ages	84.4	145.3		115.7	22.1	28.0		25.2	428.3	425.4		427.3

Age Group	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	0.1	0.4		0.3	0.0	0.2		0.1	0.4	1.4		0.9
5-9	0.1	0.3		0.2	0.0	0.0		0.0	0.1	0.7		0.4
10-14	1.7	7.9		4.8	0.2	1.4		0.9	5.2	26.2		15.6
15-19	91.6	187.5		138.0	20.2	57.6		38.5	248.6	556.5		399.9
20-24	191.5	236.7		213.0	58.6	61.2		60.0	450.6	584.2		517.6
25-29	136.2	107.8		122.9	45.2	26.6		35.5	266.0	237.2		252.3
30-34	80.7	53.8		67.9	31.9	12.0		21.4	160.5	110.8		136.0
35-39	47.5	27.4		37.7	19.0	9.0		13.9	89.3	50.3		69.9
40-44	38.5	15.2		27.2	17.3	6.1		11.3	66.9	25.8		46.4
45-54	22.0	6.6		14.3	8.0	2.8		5.2	37.1	9.7		23.3
55-64	7.9	2.1		4.9	2.4	1.3		1.8	12.9	2.5		7.5
65+	1.3	0.1		0.6	0.8	0.1		0.4	2.8	0.4		1.5
Unknown	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
All Ages	53.9	53.6		53.8	17.0	13.2		15.1	98.7	108.9		104.2

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 92.  
 In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 20.4% of reported gonorrhea cases.

# National Tables

**Table 6A Primary and Secondary Syphilis - Reported Cases by Race/Ethnicity and Sex: United States, 2006-2011**

Year	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
2006	53	22	1	76	3,249	295	0	3,544	3,086	942	1	4,029
2007	49	32	0	81	3,456	370	3	3,829	3,952	1,075	1	5,028
2008	38	18	0	56	3,789	474	2	4,265	4,876	1,478	0	6,354
2009	47	12	0	59	3,702	418	1	4,121	5,535	1,605	0	7,140
2010	55	9	0	64	3,973	299	0	4,272	5,236	1,296	0	6,532
2011	63	6	1	70	4,321	261	1	4,583	5,074	1,041	2	6,117

Year	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)		
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Total
2006	1,304	158	3	1,465	154	10	0	164	8,293	1,458	9,756
2007	1,627	163	1	1,791	155	7	0	162	9,769	1,692	11,466
2008	1,844	209	0	2,053	201	9	0	210	11,255	2,242	13,500
2009	1,904	144	0	2,048	203	15	0	218	11,764	2,232	13,997
2010	2,119	118	1	2,238	190	11	0	201	11,981	1,780	13,774
2011	2,182	142	7	2,331	239	12	0	251	12,453	1,501	13,970

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 93.  
 In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 2.9% of reported gonorrhea cases.

**Table 6B Primary and Secondary Syphilis - Rates per 100,000 Population by Race/Ethnicity and Sex: United States, 2006-2011**

Year	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
2006	4.3	1.7		3.1	3.3	0.3		1.8	17.1	4.8		10.7
2007	4.0	2.5		3.2	3.5	0.4		1.9	21.7	5.4		13.2
2008	3.0	1.4		2.2	3.8	0.5		2.1	26.7	7.4		16.6
2009	3.7	0.9		2.3	3.7	0.4		2.0	29.8	7.9		18.4
2010	4.4	0.7		2.5	4.0	0.3		2.1	27.8	6.3		16.6
2011	5.0	0.5		2.7	4.4	0.3		2.3	27.0	5.0		15.5

Year	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)		
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Total
2006	5.7	0.7		3.3	2.3	0.1		1.2	5.6	1.0	3.3
2007	6.9	0.7		3.9	2.2	0.1		1.1	6.6	1.1	3.8
2008	7.6	0.9		4.4	2.9	0.1		1.4	7.5	1.5	4.4
2009	7.6	0.6		4.2	2.8	0.2		1.5	7.8	1.4	4.6
2010	8.3	0.5		4.4	2.5	0.1		1.2	7.9	1.1	4.5
2011	8.5	0.6		4.6	3.1	0.1		1.6	8.2	1.0	4.5

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 93.  
 In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 2.9% of reported gonorrhea cases.

# National Tables

**Table 7A Primary and Secondary Syphilis - Reported Cases by Race/Ethnicity, Age Group, and Sex: United States, 2011**

Age Group	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	0	0	0	0	1	1	0	2	4	3	0	7
5-9	0	0	0	0	0	0	0	0	1	0	0	1
10-14	0	0	0	0	0	1	0	1	4	8	0	12
15-19	8	1	0	9	87	23	0	110	381	205	0	586
20-24	14	1	1	16	510	55	0	565	1,491	300	0	1,791
25-29	10	2	0	12	594	54	0	648	1,107	181	0	1,288
30-34	11	1	0	12	506	32	0	538	664	125	0	789
35-39	5	1	0	6	465	22	0	487	413	78	0	491
40-44	6	0	0	6	643	24	0	667	397	53	1	451
45-54	5	0	0	5	1,097	33	1	1,131	479	65	0	544
55-64	3	0	0	3	329	15	0	344	104	22	1	127
65+	1	0	0	1	89	1	0	90	28	1	0	29
Unknown	0	0	0	0	0	0	0	0	1	0	0	1
All Ages	63	6	1	70	4,321	261	1	4,583	5,074	1,041	2	6,117

Age Group	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	0	0	0	0	0	0	0	0	5	4	0	9
5-9	0	0	0	0	0	0	0	0	1	0	0	1
10-14	2	0	0	2	0	0	0	0	6	9	0	15
15-19	95	20	0	115	9	2	0	11	606	258	0	864
20-24	432	36	1	469	38	3	0	41	2,582	403	2	2,987
25-29	428	24	0	452	44	1	0	45	2,277	268	1	2,546
30-34	345	24	2	371	46	3	0	49	1,657	187	2	1,846
35-39	286	11	1	298	36	1	0	37	1,265	115	2	1,382
40-44	259	10	0	269	30	0	0	30	1,408	91	4	1,503
45-54	278	12	3	293	30	2	0	32	1,999	120	4	2,123
55-64	46	4	0	50	5	0	0	5	510	43	1	554
65+	11	1	0	12	1	0	0	1	135	3	0	138
Unknown	0	0	0	0	0	0	0	0	2	0	0	2
All Ages	2,182	142	7	2,331	239	12	0	251	12,453	1,501	16	13,970

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 93.  
 In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 2.9% of reported gonorrhea cases.

**Table 7B Primary and Secondary Syphilis - Rates per 100,000 Population by Race/Ethnicity, Age Group, and Sex: United States, 2011**

Age Group	American Indian/Alaska Native, Non-Hispanic				White, Non-Hispanic				Black, Non-Hispanic			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	0.0	0.0		0.0	0.0	0.0		0.0	0.3	0.2		0.2
5-9	0.0	0.0		0.0	0.0	0.0		0.0	0.1	0.0		0.0
10-14	0.0	0.0		0.0	0.0	0.0		0.0	0.2	0.5		0.4
15-19	6.8	0.9		3.9	1.3	0.4		0.9	21.3	11.8		16.7
20-24	13.5	1.0		7.8	7.9	0.9		4.5	96.2	18.9		57.1
25-29	10.9	2.1		6.5	9.5	0.9		5.2	82.5	12.4		46.1
30-34	13.3	1.2		7.2	8.6	0.6		4.6	53.3	9.0		30.0
35-39	6.2	1.2		3.7	7.6	0.4		4.0	33.7	5.6		18.8
40-44	7.3	0.0		3.6	9.6	0.4		5.0	31.6	3.8		16.9
45-54	2.9	0.0		1.4	7.0	0.2		3.6	18.5	2.2		9.9
55-64	2.4	0.0		1.2	2.4	0.1		1.3	5.9	1.0		3.3
65+	1.1	0.0		0.5	0.6	0.0		0.3	2.1	0.0		0.8
Unknown	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
All Ages	5.0	0.5		2.7	4.4	0.3		2.3	27.0	5.0		15.5
Age Group	Hispanic				Asian/Pacific Islander, Non-Hispanic				Total U.S. (Unadjusted)			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total	Male	Female	Unknown	Total
0-4	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
5-9	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
10-14	0.1	0.0		0.0	0.0	0.0		0.0	0.1	0.1		0.1
15-19	4.0	0.9		2.5	1.6	0.4		1.0	5.4	2.4		3.9
20-24	18.8	1.8		10.9	6.1	0.5		3.3	23.4	3.8		13.8
25-29	18.8	1.2		10.5	6.8	0.1		3.3	21.4	2.6		12.1
30-34	16.1	1.2		9.0	7.3	0.4		3.6	16.6	1.9		9.2
35-39	14.5	0.6		7.7	5.5	0.1		2.7	12.6	1.1		6.8
40-44	14.7	0.6		7.8	5.1	0.0		2.4	13.5	0.9		7.2
45-54	10.2	0.4		5.4	2.9	0.2		1.4	9.0	0.5		4.7
55-64	3.0	0.2		1.6	0.7	0.0		0.3	2.9	0.2		1.5
65+	0.9	0.1		0.4	0.2	0.0		0.1	0.8	0.0		0.3
Unknown	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
All Ages	8.5	0.6		4.6	3.1	0.1		1.6	8.2	1.0		4.5

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 93.  
 In 2011, race/ethnicity was unknown (i.e., unknown, missing, or invalid data values) for 2.9% of reported gonorrhea cases.

# IHS Area Tables

**Table 8A** Chlamydia - Reported Cases by Sex - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 1998-2011

Year	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	232	768		1,000	126	704		830	2	7		9	37	261		298
1999	200	816		1,016	144	763		907	68	415		484	36	349		385
2000	262	834	1	1,097	226	956		1,182	80	523	2	605	57	339		396
2001	264	842		1,106	216	1,030		1,246	82	487	3	572	66	351		417
2002	304	989	1	1,294	374	1,234		1,608	118	641	0	759	43	372		415
2003	413	1,181		1,594	413	1,381		1,794	117	651	3	771	59	372		431
2004	410	1,247	1	1,658	434	1,354		1,788	115	558		673	77	437		514
2005	421	1,184	2	1,607	559	1,552		2,111	125	415		540	100	446		546
2006	358	1,181	1	1,540	552	1,750		2,302	149	612		761	68	458	2	528
2007	327	1,050	1	1,378	590	1,803		2,393	184	759		943	81	428		509
2008	340	1,258	5	1,603	631	1,840		2,471	185	780		965	84	447		531
2009	354	1,259	8	1,621	721	1,884		2,605	177	729	1	907	92	441		533
2010	355	1,154	6	1,515	772	2,089		2,861	240	889	1	1,130	117	469		586
2011	367	1,285	1	1,653	720	1,995		2,715	271	1,026	1	1,299	146	604		750

Year	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	5	49		54					34	95		129	82	679		761
1999	8	58		66					28	97		125	91	773		864
2000	141	424		565					18	139	1	158	163	982		1,145
2001	152	449		601					29	165		194	138	886	0	1,024
2002	205	571		776	58	157		215	26	176	1	203	153	839	1	992
2003	198	588	1	787	54	193		247	37	190		227	232	1,047	1	1,279
2004	199	562	2	763	51	182		233	33	251		284	314	1,312		1,626
2005	163	508	1	672	66	195	2	262	42	257		299	289	1,145		1,434
2006	212	535	2	749	46	202		248	114	323		437	276	1,232		1,507
2007	141	412		553	49	229	1	278	63	247		310	257	1,075	1	1,333
2008	206	553	1	760	57	223	1	281	63	275	3	341	276	1,197	1	1,473
2009	225	601	2	828	56	193	1	250	62	306		368	265	1,087	0	1,352
2010	230	613		843	60	150		210	86	351	1	438	334	1,322	1	1,658
2011	228	639		867	86	272		358	106	382		488	390	1,521		1,911

UNK = Unknown

Note: Table notes on page 93.

Table 8A, Continued

Year	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	93	986		1,079	83	912		995	85	464		549	4	51		56
1999	89	924		1,013	107	839		946	92	517		609	5	59		64
2000	101	906		1,007	141	1,072		1,213	96	544		640	3	73		77
2001	104	1,157		1,261	130	914		1,044	99	560		659	16	104		120
2002	110	1,187		1,297	162	1,042	2	1,206	111	527		638	8	71		78
2003	123	1,085		1,208	178	878		1,056	114	648		762	13	64		78
2004	130	952		1,082	261	1,108		1,370	128	708		836	8	70		78
2005	191	1,243		1,434	249	1,116		1,364	139	707		846	14	63		77
2006	211	1,246		1,457	192	1,031	1	1,225	124	653		777	20	113	0	134
2007	233	1,286		1,519	195	973	0	1,168	145	652		797	50	193		243
2008	274	1,494		1,768	277	1,154	0	1,432	186	749	1	936	44	191	1	236
2009	280	1,351	2	1,633	246	1,115		1,361	171	803		974	46	192		237
2010	357	1,446	1	1,804	294	1,140		1,434	224	768		992	79	242		322
2011	387	1,530	40	1,957	354	1,316		1,670	271	986		1,257	81	222		303
Year	Total IHS				Total U.S. (Unadjusted)											
	Male	Female	UNK	Total	Male	Female	UNK	Total								
1998	783	4,976		5,759	106,671	505,533	2,046	614,250								
1999	868	5,610		6,478	120,430	539,894	2,323	662,647								
2000	1,288	6,793	4	8,085	137,957	569,658	1,837	709,452								
2001	1,296	6,945	3	8,244	157,304	623,958	1,980	783,242								
2002	1,671	7,805	5	9,481	179,585	652,858	2,112	834,555								
2003	1,951	8,279	5	10,235	190,244	685,017	2,217	877,478								
2004	2,161	8,741	3	10,905	210,396	716,675	2,391	929,462								
2005	2,356	8,831	5	11,192	232,781	740,371	3,293	976,445								
2006	2,322	9,337	6	11,665	252,630	775,788	2,493	1,030,911								
2007	2,316	9,106	3	11,425	280,337	825,660	2,377	1,108,374								
2008	2,623	10,161	13	12,797	313,779	893,004	3,740	1,210,523								
2009	2,695	9,960	14	12,669	328,783	912,718	2,679	1,244,180								
2010	3,148	10,634	10	13,792	353,923	949,802	4,168	1,307,893								
2011	3,408	11,778	42	15,228	389,970	1,018,552	4,269	1,412,791								

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 93.

# IHS Area Tables

**Table 8B** Chlamydia - Rates per 100,000 Population by Sex - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 1998-2011

Year	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	498.2	1,571.5		1,047.8	241.5	1,358.8		798.2	3.3	10.1		6.8	75.2	528.7		302.4
1999	417.6	1,625.1		1,035.7	271.1	1,450.3		857.9	104.6	601.7		360.2	70.8	682.1		377.5
2000	530.6	1,614.7		1,085.9	418.8	1,789.6		1,100.7	119.0	735.0		437.2	108.1	643.3		375.6
2001	532.9	1,618.9		1,089.1	397.6	1,909.7		1,151.0	121.6	679.3		410.7	124.4	660.9		392.7
2002	609.5	1,885.0		1,264.4	682.1	2,269.6		1,472.5	168.2	861.6		525.2	80.5	694.0		387.7
2003	822.7	2,241.7		1,549.3	738.3	2,497.8		1,612.9	162.1	852.9		519.5	110.0	689.5		400.7
2004	799.1	2,302.0		1,571.9	770.8	2,427.9		1,595.3	154.8	704.6		438.3	142.3	804.3		473.9
2005	810.5	2,165.4		1,507.2	976.3	2,747.7		1,856.0	162.8	510.0		341.8	186.1	830.7		508.2
2006	696.1	2,191.2		1,462.1	984.1	3,160.8		2,065.4	199.6	772.1		494.6	124.1	831.8		480.7
2007	640.4	1,956.0		1,315.6	1,055.2	3,248.7		2,147.9	251.7	973.8		623.9	147.8	777.0		463.2
2008	640.3	2,254.6		1,472.0	1,108.3	3,268.2		2,182.2	240.4	953.4		607.7	146.0	774.3		460.6
2009	651.3	2,215.1		1,457.9	1,244.5	3,281.4		2,258.3	221.9	868.3		554.0	156.1	746.9		451.7
2010	588.1	1,851.3		1,234.7	1,267.5	3,508.2		2,375.2	284.2	1,003.0		653.2	178.1	711.3		445.2
2011	607.9	2,061.4		1,347.1	1,182.2	3,350.3		2,254.0	321.9	1,157.2		750.6	222.3	916.1		569.8

Year	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	18.1	173.9		96.7					81.1	223.8		152.9	96.6	761.9		438.2
1999	28.0	199.9		114.7					64.3	219.4		142.4	107.1	864.0		495.6
2000	488.8	1,441.2		969.7					39.0	304.6		172.2	191.2	1,087.4		652.1
2001	523.5	1,514.5		1,024.1					61.7	354.8		207.4	160.7	969.3		577.4
2002	694.9	1,891.6		1,300.1	60.2	165.0		112.3	54.2	371.3		212.9	174.8	901.9		550.2
2003	656.3	1,899.7		1,287.6	55.4	200.1		127.6	75.8	395.9		234.5	262.6	1,112.8		701.8
2004	660.3	1,820.4		1,250.6	51.3	183.7		117.3	65.4	506.0		283.7	364.3	1,427.3		912.7
2005	537.8	1,617.5		1,088.8	64.9	192.8		129.7	83.9	520.9		300.7	330.3	1,223.5		792.4
2006	695.0	1,705.3		1,210.5	43.9	194.8		119.3	214.5	617.2		414.3	320.6	1,344.3		848.7
2007	462.6	1,330.0		899.8	46.5	217.2		132.4	96.8	384.0		239.6	305.5	1,195.7		765.5
2008	652.3	1,718.4		1,191.9	50.9	199.8		125.8	90.1	397.6		245.2	319.8	1,296.1		825.2
2009	702.6	1,842.5		1,280.8	49.4	169.7		110.2	86.6	434.6		259.1	304.7	1,169.8		751.4
2010	685.9	1,765.0		1,234.9	39.8	100.8		70.1	106.8	442.1		273.9	384.2	1,438.7		926.5
2011	679.9	1,839.9		1,270.1	57.0	182.7		119.5	131.7	481.2		305.2	448.2	1,655.3		1,068.3

UNK = Unknown

Note: Table notes on page 93.

Table 8B, Continued

Year	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	61.8	632.1	352.1		104.6	1,114.1		617.2	106.1	572.4		340.6	28.6	321.1		178.5
1999	57.8	579.2	323.2		127.5	971.0		555.2	112.0	621.1		368.3	31.2	358.3		198.8
2000	64.8	561.5	317.5		161.4	1,195.0		685.9	114.5	641.1		379.5	20.4	432.4		231.4
2001	66.6	715.7	396.7		142.5	973.4		564.5	117.0	653.8		387.0	94.0	584.4		345.6
2002	69.9	729.8	405.4		172.6	1,074.1		632.0	130.2	611.1		372.1	44.0	386.7		220.1
2003	78.0	664.7	376.3		183.9	875.3		535.7	132.4	743.7		439.8	76.1	345.9		214.2
2004	81.5	576.6	333.4		270.2	1,108.7		696.3	148.0	812.4		481.4	47.7	389.0		221.9
2005	118.7	744.2	437.2		245.8	1,067.7		663.5	158.7	803.3		481.8	76.0	339.4		210.3
2006	131.4	744.4	444.3		191.5	991.8		599.2	140.9	739.5		440.7	117.7	622.1		375.8
2007	146.1	776.5	467.3		184.7	890.9		543.9	157.0	700.7		429.9	285.2	1,040.7		671.8
2008	167.0	877.9	529.0		241.3	974.5		613.5	188.1	753.4		472.0	224.1	926.4		585.5
2009	166.9	781.6	479.4		210.0	919.1		570.5	162.1	774.0		465.5	226.3	904.7		573.4
2010	183.0	727.2	458.0		223.1	859.7		542.5	188.9	657.3		421.4	347.8	1,031.9		694.4
2011	198.4	769.4	496.8		269.2	992.2		632.0	228.5	843.9		533.9	356.0	944.9		654.4

Year	Total IHS				Total U.S. (Unadjusted)					
	Male	Female	UNK	Total	Male	Female	UNK	Total		
1998				100.7	622.8		365.3	82.2	374.1	231.8
1999				108.4	681.8		399.0	91.6	395.1	247.2
2000				157.1	808.6		487.1	99.6	396.3	251.4
2001				156.1	815.7		490.3	112.3	429.6	274.5
2002				198.3	902.7		555.3	126.8	445.0	289.4
2003				228.3	943.7		590.9	133.0	463.6	301.7
2004				250.6	987.6		624.1	145.6	480.6	316.5
2005				268.9	981.6		630.2	159.4	492.2	329.4
2006				264.8	1,036.6		656.2	171.3	510.8	344.3
2007				258.8	990.9		629.9	188.6	539.8	367.5
2008				278.6	1,052.2		671.0	209.3	579.4	398.1
2009				279.2	1,010.3		649.3	217.1	586.7	405.3
2010				288.5	964.0		628.6	233.2	605.1	423.6
2011				312.3	1,067.8		694.0	254.4	643.4	453.4

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 93.

# IHS Area Tables

**Table 9A** Chlamydia - Reported Cases by Sex and Age Group - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 2011

Age Group	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4		2		2		1		1								
5-9						1		1								
10-14		25		25		26		26	1	11		12	1	8		9
15-19	105	442		547	154	608		762	48	241		289	41	226		267
20-24	135	448		583	262	734		996	95	367		463	62	228		290
25-29	69	220	1	290	171	341		512	71	214	1	286	17	86		103
30-34	37	97		134	66	123		189	23	98		121	14	33		47
35-39	8	32		40	27	80		107	18	44		62	7	11		18
40-44	9	14		23	16	26		42	9	24		33	3	6		9
45-54	4	4		8	18	42		60	5	22		27	1	5		6
54-64		1		1	6	11		17	0	3		4		1		1
65+						2		2	0	1		1				
Unknown										1		1				
All Ages	367	1,285	1	1,653	720	1,995		2,715	271	1,026	1	1,299	146	604		750

Age Group	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4																
5-9																
10-14	3	14		17		2		2		7		7	1	16		16
15-19	74	231		305	30	106		136	34	144		178	75	383		459
20-24	82	220		302	32	96		128	34	133		167	138	547		686
25-29	33	88		121	10	43		53	26	54		80	90	295		385
30-34	15	50		65	7	19		26	6	27		33	37	141		178
35-39	9	21		30	3	2		5		9		9	26	70		96
40-44	4	6		10	2	2		4	1	3		4	13	33		46
45-54	6	6		12	2	2		4	4	3		7	7	29		36
54-64	2	1		3					1	2		3	2	7		9
65+													1			1
Unknown		2		2		0		0								
All Ages	228	639		867	86	272		358	106	382		488	390	1,521		1,911

UNK = Unknown

Note: Table notes on page 93.

Table 9A, Continued

Age Group	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4		6		6	1			1					0			0
5-9									1			1				
10-14	1	13	1	15	2	16		18	3	20		23	0	3		3
15-19	99	542	11	652	75	371		446	70	354		424	15	66		81
20-24	162	630	18	810	138	507		645	103	345		448	34	88		122
25-29	79	219	7	305	64	226		289	56	168		224	21	32		53
30-34	32	79	2	113	44	109		153	14	66		80	7	17		24
35-39	10	26	1	37	13	50		63	8	18		26	4	8		12
40-44	3	9		12	8	16		24	11	7		18	0	2		2
45-54	1	5		6	7	18		25	4	5		9	0	5		5
54-64		1		1	3	3		6	1	1		2	0	0		0
65+										1		1				
Unknown						1		1	1			1				1
All Ages	387	1,530	40	1,957	354	1,316		1,670	271	986		1,257	81	222		303

Age Group	Total IHS				Total U.S. (Adjusted)				
	Male	Female	UNK	Total	Male	Female	UNK	Total	
0-4		1	9		10	284	458	5	747
5-9			2		2	24	118	1	143
10-14		12	161	1	174	1,743	13,588	74	15,405
15-19		820	3,714	11	4,545	90,764	366,818	1,447	459,029
20-24		1,277	4,344	18	5,639	147,948	393,534	1,465	542,947
25-29		707	1,985	9	2,701	73,357	140,628	549	214,534
30-34		302	859	2	1,163	34,971	56,562	254	91,787
35-39		133	371	1	505	16,911	23,711	112	40,734
40-44		79	148		227	10,460	11,120	74	21,654
45-54		59	146		205	9,910	8,182	44	18,136
54-64		16	31		47	2,300	1,903	7	4,210
65+		1	4		5	569	486	9	1,064
Unknown		1	4		5	729	1,444	228	2,401
All Ages		3,408	11,778	42	15,228	389,970	1,018,552	4,269	1,412,791

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 93.

# IHS Area Tables

**Table 9B** Chlamydia - Rates per 100,000 Population by Sex and Age Group - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 2011

Age Group	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4		26.3		13.1		16.9		8.1								
5-9						18.0		8.8								
10-14		407.0		202.2		477.3		230.2	13.8	152.6		83.0	16.3	131.6		73.8
15-19	1,678.4	7,348.3		4,457.7	2,568.8	10,886.3		6,580.3	590.5	2,985.1		1,782.9	629.5	3,777.4		2,136.7
20-24	2,585.2	8,812.0		5,656.9	4,770.6	14,219.3		9,348.6	1,209.8	4,719.0		2,953.2	1,145.4	4,392.2		2,734.8
25-29	1,537.8	4,699.9		3,163.2	3,740.2	7,632.1		5,663.7	1,016.9	3,019.5		2,030.3	359.0	1,891.8		1,109.7
30-34		964.0	2,373.4	1,690.9	1,759.1	3,395.9		2,563.1	376.1	1,598.4		987.7	326.9	783.5		553.3
35-39	231.3	889.4		566.9	806.7	2,443.5		1,616.1	339.0	778.2		563.4	173.1	273.3		223.1
40-44	270.1	391.6		333.0	448.1	760.7		600.9	174.8	444.2		313.2	72.7	145.3		109.0
45-54	62.4	59.4		60.9	240.4	547.7		395.9	51.8	196.4		128.0	12.1	58.4		35.6
54-64		22.6		12.2	119.3	211.9		166.3	2.5	46.2		25.9		17.0		9.0
65+						46.9		25.4	3.3	14.3		9.7				
Unknown																
All Ages	607.9	2,061.4		1,347.1	1,182.2	3,350.3		2,254.0	321.9	1,157.2		750.6	222.3	916.1		569.8

Age Group	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4																
5-9																
10-14	90.2	455.4		265.7		15.0		7.3		109.8		54.6	7.3	188.9		97.4
15-19	2,272.7	7,169.5		4,708.2	200.3	751.6		467.9	471.8	2,136.2		1,276.2	786.9	4,116.7		2,430.7
20-24	2,813.0	7,573.1		5,189.0	239.7	770.1		495.7	483.4	2,139.6		1,260.4	1,828.7	7,444.5		4,598.9
25-29	1,387.7	3,421.5		2,444.4	81.4	371.9		221.9	387.4	890.6		626.2	1,508.8	5,130.2		3,289.0
30-34	739.3	2,387.8		1,576.5	64.5	183.1		122.5	99.4	476.7		282.0	695.6	2,658.6		1,681.0
35-39	487.8	1,085.3		793.7	30.2	20.4		25.3		169.6		81.9	515.0	1,308.1		923.6
40-44	227.9	315.8		273.6	19.6	21.2		20.4	18.2	53.6		36.0	255.9	613.1		438.6
45-54	153.4	142.7		147.8	10.9	10.5		10.7	37.2	27.8		32.5	69.8	244.5		162.7
54-64	78.6	35.6		56.0					14.8	27.6		21.4	35.7	82.6		61.2
65+														13.5		5.6
Unknown																
All Ages	679.9	1,839.9		1,270.1	57.0	182.7		119.5	131.7	481.2		305.2	448.2	1,655.3		1,068.3

UNK = Unknown

Note: Table notes on page 93.

Table 9B, Continued

Age Group	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4		31.2		15.4	7.5			3.7					0.1			0.1
5-9									9.8			4.8				
10-14	5.2	69.9		39.6	19.9	133.7		76.9	27.8	193.7		108.9	0.1	160.9		78.6
15-19	524.6	3,021.9		1,771.3	586.4	2,977.5		1,766.3	629.2	3,361.2		1,957.8	646.9	3,110.7		1,829.1
20-24	1,047.6	4,179.4		2,652.4	1,088.9	4,213.9		2,611.4	997.6	3,620.9		2,256.6	1,583.2	3,973.7		2,806.1
25-29	542.5	1,494.8		1,044.1	539.3	2,076.8		1,276.2	598.2	1,861.5		1,218.3	1,135.3	1,646.6		1,393.8
30-34	240.4	610.1		430.3	425.2	1,125.9		763.8	161.2	788.6		469.1	436.3	957.0		702.6
35-39	83.5	212.0		152.6	142.5	566.5		353.6	96.8	229.2		161.3	270.7	516.1		395.7
40-44	26.9	79.5		53.4	97.4	189.9		144.0	142.5	93.6		118.4	1.0	160.0		80.1
45-54	4.5	20.6		12.8	44.3	116.1		81.2	28.0	32.9		30.5	0.3	176.7		93.1
54-64		5.7		3.0	39.4	29.3		34.1	10.0	9.5		9.8	0.3	0.3		0.3
65+										13.6		7.3				
Unknown																
All Ages	198.4	769.4		496.8	269.2	992.2		632.0	228.5	843.9		533.9	356.0	944.9		654.4

Age Group	Total IHS				Total U.S. (Adjusted)			
	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4	0.9	8.5		4.6	2.8	4.6		3.7
5-9		2.0		1.0	0.2	1.2		0.7
10-14	11.8	162.7		86.7	16.5	134.6		74.5
15-19	766.8	3,638.8		2,174.5	803.0	3,416.5		2,082.7
20-24	1,338.2	4,773.6		3,024.8	1,343.3	3,722.5		2,515.3
25-29	824.4	2,387.0		1,599.0	689.7	1,343.6		1,016.7
30-34	396.4	1,156.9		773.0	349.8	567.6		459.8
35-39	191.6	534.0		363.6	168.4	233.9		201.9
40-44	118.3	219.9		169.3	100.6	105.9		103.7
45-54	45.5	105.9		76.6	44.8	35.8		40.3
54-64	18.9	33.3		26.5	13.1	10.1		11.5
65+	1.6	5.1		3.6	3.3	2.1		2.6
Unknown								
All Ages	312.3	1,067.8		694.0	256.9	648.9		457.6

Note: Table notes on page 93.

# IHS Area Tables

**Table 10A** Gonorrhea - Reported Cases by Sex - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 1998-2011

Year	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	41	87		128	63	110		173	1	2		3	10	37		47
1999	50	118		168	56	95		151	12	28		40	8	39		47
2000	62	117	1	180	84	127		211	29	28		57	10	39		49
2001	63	111		174	79	161		240	19	22		41	10	41		51
2002	57	97		154	124	227		351	22	22	1	45	14	50	1	65
2003	63	110		173	96	200		296	26	28		55	10	54		64
2004	81	156		237	86	209		295	25	34		59	18	68		86
2005	96	165		261	92	225		317	18	24		42	28	54		82
2006	59	131		190	91	200		291	23	38		60	24	74	2	100
2007	47	101		148	93	175		268	21	38		59	26	65		91
2008	54	145		199	142	209		351	30	38	1	69	23	77		100
2009	64	139	2	205	275	389		664	40	53		93	15	101		116
2010	103	230		333	378	563		941	57	78		135	22	85		107
2011	154	321	1	476	290	410		700	65	94		158	14	77		91

Year	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	1	4		5					12	25		37	36	35		70
1999	2	3		5					15	32		47	44	37		81
2000	8	24		32					22	30		52	68	55		122
2001	14	26		40					14	45		59	68	85		153
2002	11	33		44	10	9		19	20	44		64	62	56		118
2003	8	13		21	11	5		16	18	40		58	67	71		138
2004	4	11		15	29	25		54	24	41	1	66	77	88		165
2005	9	31		40	31	36	2	69	18	50		68	68	85		153
2006	13	23		36	27	39		66	47	90		137	70	99		170
2007	2	10		12	28	36		64	22	49		71	49	71		120
2008		11	1	12	12	23		35	19	64		83	39	54		93
2009	7	6		13	5	10		15	20	53		73	27	36		63
2010	3	21		24	13	10		23	21	45		66	36	56		92
2011	7	12		19	14	31		45	34	41		75	97	140		237

UNK = Unknown

Note: Table notes on page 93.

Table 10A, Continued

Year	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	54	262		316	51	119		170	11	38		49	1	2		3
1999	35	219		254	46	98		144	22	48		70	5	3		8
2000	49	206		255	58	117		174	16	46		62	2	10		12
2001	60	235		295	52	105		157	25	65		90	9	14		23
2002	82	256		338	72	122	1	195	30	55		85	6	9		15
2003	66	208		274	80	130		210	16	65		81	1	4		5
2004	53	222		275	104	185		289	38	81		119	2	4		6
2005	72	229		301	100	174		273	29	90		119	4	11		15
2006	82	233		315	108	170	1	278	42	83		125	4	24	0	27
2007	79	269		348	65	129	1	195	19	83		102	13	27	0	40
2008	74	283		357	66	103		170	41	67		108	7	16		24
2009	92	288	1	381	44	86		130	29	37		66	8	13		21
2010	108	272		380	49	95		143	44	38		82	10	38		48
2011	110	253	4	367	103	162		266	39	70		109	4	12		16

Year	Total IHS				Total U.S. (Unadjusted)			
	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	281	720		1,001	176,529	179,204	759	356,492
1999	295	720		1,015	180,524	179,319	970	360,813
2000	408	798	1	1,207	180,701	181,668	767	363,136
2001	413	910		1,323	177,194	183,863	648	361,705
2002	510	980	3	1,493	171,504	179,648	700	351,852
2003	463	928		1,391	160,106	174,230	768	335,104
2004	540	1,124	1	1,665	157,303	172,142	687	330,132
2005	564	1,174	2	1,740	161,117	177,537	939	339,593
2006	589	1,203	3	1,795	170,508	187,033	825	358,366
2007	464	1,053	1	1,518	167,685	187,594	712	355,991
2008	508	1,090	2	1,600	153,103	182,577	1,062	336,742
2009	627	1,211	3	1,841	137,819	162,568	787	301,174
2010	844	1,530		2,374	142,470	165,693	1,178	309,341
2011	931	1,623	5	2,559	149,835	171,005	1,009	321,849

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 93.

# IHS Area Tables

**Table 10B** Gonorrhea - Rates per 100,000 Population by Sex - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 1998-2011

Year	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	88.0	178.0		134.1	120.7	212.3		166.4	1.6	3.0		2.3	20.3	75.0		47.7
1999	104.4	235.0		171.3	105.4	180.6		142.8	18.8	40.0		29.7	15.7	76.2		46.1
2000	125.6	226.5		178.2	155.6	237.7		196.5	43.6	38.8		41.1	19.0	74.0		46.5
2001	127.2	213.4		171.3	145.4	298.5		221.7	27.5	30.8		29.2	18.8	77.2		48.0
2002	114.3	184.9		150.5	226.1	417.5		321.4	31.9	29.0		31.1	26.2	93.3		60.7
2003	125.5	208.8		168.1	171.6	361.7		266.1	36.5	37.2		36.9	18.7	100.1		59.5
2004	157.9	288.0		224.7	152.7	374.8		263.2	33.3	42.7		38.1	33.3	125.1		79.3
2005	184.8	301.8		244.8	160.7	398.3		278.7	23.3	29.8		26.7	52.1	100.6		76.3
2006	114.7	243.1		180.4	162.2	361.2		261.1	30.2	47.4		39.1	43.8	134.4		91.0
2007	92.1	188.1		141.3	166.3	315.3		240.5	28.1	48.6		38.7	47.4	118.0		82.8
2008	101.7	259.9		182.7	249.4	371.2		310.0	39.1	46.1		43.3	40.0	133.4		86.7
2009	117.8	244.6		184.4	474.7	677.5		575.6	50.2	62.6		56.6	25.4	171.1		98.3
2010	170.6	369.0		271.4	620.6	945.5		781.2	67.7	87.7		77.9	33.5	128.9		81.3
2011	255.1	515.0		387.9	476.2	688.5		581.1	76.7	105.7		91.5	21.3	116.8		69.1

Year	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	3.6	14.2		8.9					28.6	58.9		43.9	42.3	38.7		40.5
1999	7.0	10.3		8.7					34.4	72.4		53.5	51.5	41.8		46.5
2000	27.7	81.6		54.9					47.7	65.7		56.7	79.2	60.7		69.7
2001	48.2	87.7		68.2					29.8	96.8		63.1	79.5	93.1		86.5
2002	37.3	109.3		73.7	10.4	9.5		9.9	41.7	92.8		67.1	70.4	60.5		65.3
2003	26.5	42.0		34.4	11.3	5.2		8.2	36.9	83.3		59.9	76.4	75.1		75.7
2004	13.3	35.6		24.6	29.2	25.2		27.2	47.5	82.6		65.9	88.8	95.7		92.3
2005	29.7	98.7		64.8	30.4	35.5		33.9	35.9	101.3		68.4	77.9	90.9		84.6
2006	42.6	73.3		58.2	25.7	37.5		31.6	88.4	172.0		129.9	81.8	108.2		95.4
2007	6.6	32.3		19.5	26.7	34.1		30.4	33.8	76.2		54.9	58.5	79.1		69.1
2008		34.2		18.8	10.8	20.6		15.7	27.2	92.5		59.7	45.3	58.0		51.8
2009	21.9	18.4		20.1	4.4	9.0		6.7	27.9	75.3		51.4	31.6	38.7		35.3
2010	8.9	60.5		35.2	8.6	6.7		7.7	26.1	56.7		41.3	41.5	61.0		51.5
2011	20.9	34.6		27.8	9.4	20.9		15.1	42.2	51.6		46.9	111.3	152.4		132.4

UNK = Unknown

Note: Table notes on page 94.

Table 10B, Continued

Year	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	35.9	168.0		103.1	64.2	145.0		105.2	13.7	46.9		30.4	8.6	11.2		10.0
1999	22.7	137.3		81.0	54.5	113.8		84.6	26.8	57.7		42.3	33.8	16.3		24.9
2000	31.5	127.7		80.4	66.3	130.0		98.6	19.1	54.2		36.8	14.2	58.3		36.8
2001	38.4	145.4		92.8	57.6	111.6		85.0	29.5	75.9		52.8	51.0	79.0		65.4
2002	52.1	157.4		105.7	76.6	126.2		102.3	35.2	63.8		49.6	36.6	48.0		42.4
2003	41.8	127.4		85.4	82.7	129.5		106.5	18.6	74.6		46.7	7.1	21.7		14.6
2004	33.2	134.5		84.7	107.4	184.9		146.8	43.9	92.9		68.5	9.7	24.8		17.4
2005	44.7	137.1		91.8	98.5	166.3		133.0	33.1	102.3		67.8	20.5	59.0		40.1
2006	51.1	139.2		96.1	107.2	163.3		136.2	47.7	94.0		70.9	21.3	129.5		76.7
2007	49.5	162.4		107.0	61.5	118.2		90.8	20.6	89.2		55.0	74.6	145.5		110.8
2007	45.1	166.3		106.8	57.8	87.3		72.8	41.5	67.4		54.5	37.8	79.3		59.0
2009	54.8	166.6		111.9	37.8	70.8		54.6	27.5	35.7		31.5	40.3	63.1		51.9
2010	55.4	136.8		96.5	37.1	71.3		54.3	37.1	32.5		34.8	44.1	160.3		103.0
2011	56.4	127.2		93.2	78.3	122.5		100.5	32.9	59.9		46.3	18.8	49.7		34.4

Year	Total IHS				Total U.S. (Unadjusted)								
	Male	Female	UNK	Total	Male	Female	UNK	Total					
1998					36.1	90.1		63.5	130.6	127.3			129.2
1999					36.8	87.5		62.5	132.0	126.1			129.3
2000					49.8	95.0		72.7	130.5	126.4			128.7
2001					49.8	106.9		78.7	126.5	126.6			126.8
2002					60.5	113.3		87.4	121.1	122.5			122.0
2003					54.2	105.8		80.3	111.9	117.9			115.2
2004					62.6	127.0		95.3	108.8	115.4			112.4
2005					64.4	130.5		98.0	110.4	118.0			114.6
2006					67.2	133.6		101.0	115.6	123.1			119.7
2007					51.9	114.6		83.7	112.8	122.6			118.0
2008					54.0	112.9		83.9	102.1	118.5			110.7
2009					65.0	122.8		94.4	91.0	104.5			98.1
2010					77.4	138.7		108.2	93.9	105.6			100.2
2011					85.3	147.1		116.6	97.7	108.0			103.3

Note: Table notes on page 94.

# IHS Area Tables

**Table 11A** Gonorrhea - Reported Cases by Sex and Age Group - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 2011

Age Group	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4						2		2								
5-9						3		3								
10-14		6		6	1	4		5		1		1		1		1
15-19	23	91		114	36	82		118	4	17		21	5	15		20
20-24	59	92	1	152	77	139		216	30	35		65	3	34		37
25-29	36	70		106	64	81		145	14	22		36	5	14		19
30-34	18	30		48	28	35		63	7	10		17				
35-39	6	12		18	29	26		55	1	3		4	1	7		8
40-44	6	14		20	13	11		24	3	2		5		3		3
45-54	4	4		8	34	26		60	4	3		7		2		2
54-64	1	2		3	5	1		6	1			1				
65+	1			1	3			3								
Unknown														1		1
All Ages	154	321	1	476	290	410		700	65	94		158	14	77		91

Age Group	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4																
5-9																
10-14													1	2		3
15-19	1	5		6	1	6		7	6	12		18	15	33		47
20-24	4	5		9	9	15		24	15	14		29	35	45		80
25-29					1	4		5	7	10		17	16	29		45
30-34	2	1		3		3		3	3	3		6	12	15		27
35-39					1			1		1		1	6	7		13
40-44		1		1		2		2	1			1	7	4		11
45-54					2	1		3	2			2	4	4		8
54-64													1	1		2
65+										1		1				
Unknown																
All Ages	7	12		19	14	31		45	34	41		75	97	140		237

UNK = Unknown

Note: Table notes on page 94.

Table 11A Continued

Age Group	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4																
5-9																
10-14		3		3	0	2		2								
15-19	11	76		87	21	37		58	4	24		28	0	0		0
20-24	53	104	1	158	39	68		107	12	19		31	1	5		6
25-29	27	42	1	70	19	33		51	5	15		20	2	3		5
30-34	8	22	2	32	11	10		21	2	3		5	1	3		4
35-39	5	3		8	6	4		10	4	6		10	0	0		0
40-44	2	2		4	3	6		9	5			5	0	0		0
45-54	3	1		4	4	3		8	5	3		8	0	0		0
54-64	1			1	0	0		0	2			2				
65+																
Unknown																
All Ages	110	253	4	367	103	162		266	39	70		109	4	12		16

Age Group	Total IHS				Total U.S. (Adjusted)			
	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4		2		2	43	136	3	182
5-9		3		3	15	66	1	82
10-14	2	19		21	548	2,648	27	3,223
15-19	127	398		525	28,102	59,747	290	88,139
20-24	337	575	2	914	49,633	61,756	341	111,730
25-29	196	323	1	520	28,288	24,821	136	53,245
30-34	92	135	2	229	16,044	11,044	69	27,157
35-39	59	69		128	8,972	5,096	41	14,109
40-44	40	45		85	6,955	2,708	23	9,686
45-54	62	48		110	8,222	2,222	29	10,473
54-64	12	4		16	2,270	471	6	2,747
65+	4	1		5	485	99	3	587
Unknown		1		1	258	191	40	489
All Ages	931	1,623	5	2,559	149,835	171,005	1,009	321,849

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 94.

# IHS Area Tables

**Table 11B** Gonorrhea - Rates per 100,000 Population by Sex and Age Group - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 2011

Age Group	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4						33.9		16.2								
5-9						54.1		26.5								
10-14		97.7		48.5	17.1	73.4		44.3		13.9		6.9		16.5		8.2
15-19	367.6	1,512.9		929.0	600.5	1,468.2		1,019.0	53.1	209.0		130.7	76.8	250.7		160.1
20-24	1,129.8	1,809.6		1,474.9	1,402.0	2,692.8		2,027.4	382.6	447.3		414.8	55.4	655.0		348.9
25-29	802.3	1,495.4		1,156.2	1,399.8	1,812.9		1,604.0	198.1	317.3		258.0	105.6	308.0		204.7
30-34	469.0	734.0		605.7	746.3	966.3		854.4	110.9	162.7		136.8				
35-39	173.5	333.5		255.1	866.4	794.1		830.7	21.6	55.2		38.8	24.7	173.9		99.2
40-44	180.1	391.6		289.6	364.0	321.8		343.4	68.4	37.1		52.3		72.7		36.3
45-54	62.4	59.4		60.9	454.1	339.1		395.9	36.2	31.0		33.5		23.3		11.9
54-64	26.5	45.1		36.6	99.4	19.3		58.7	17.8			8.3				
65+	39.3			16.3	83.2			38.1								
Unknown																
All Ages	255.1	515.0		387.9	476.2	688.5		581.1	76.7	105.7		91.5	21.3	116.8		69.1

Age Group	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4																
5-9																
10-14													7.3	29.7		18.4
15-19	30.7	155.2		92.6	6.7	42.6		24.1	83.3	178.0		129.1	155.0	350.9		251.7
20-24	137.2	172.1		154.6	67.9	121.2		93.6	213.2	225.2		218.9	456.8	614.1		534.4
25-29					8.7	35.3		21.6	104.3	164.9		133.1	274.8	501.3		386.2
30-34	98.6	47.8		72.8		28.9		14.1	49.7	53.0		51.3	231.9	277.8		254.9
35-39					10.1			5.1		18.8		9.1	117.6	132.1		125.1
40-44		52.6		27.4		21.2		10.4	18.2			9.0	134.9	68.8		101.1
45-54					10.9	5.3		8.1	18.6			9.3	38.3	37.1		37.7
54-64													21.4	12.0		16.3
65+										16.5		9.3				
Unknown																
All Ages	20.9	34.6		27.8	9.4	20.9		15.1	42.2	51.6		46.9	111.3	152.4		132.4

UNK = Unknown

Note: Table notes on page 94.

Table 11B Continued

Age Group	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4																
5-9																
10-14		16.1		7.9	3.2	12.7		8.0								
15-19	58.3	423.7		236.4	162.5	299.4		230.1	36.0	227.9		129.3	4.0	8.8		6.3
20-24	342.7	689.9		517.4	309.7	562.7		432.9	116.2	199.4		156.1	50.2	235.7		145.1
25-29	185.4	286.7		239.6	158.1	299.7		226.0	53.4	166.2		108.8	108.5	159.5		134.3
30-34	60.1	169.9		121.9	105.5	105.2		105.3	23.0	35.8		29.3	64.2	175.7		121.2
35-39	41.8	24.5		33.0	66.3	42.6		54.5	48.4	76.4		62.0	0.5	4.5		2.6
40-44	17.9	17.7		17.8	31.2	75.8		53.6	64.8			32.9	0.2	0.8		0.5
45-54	13.4	4.1		8.6	29.6	20.1		24.7	35.0	19.7		27.1	0.3	0.1		0.2
54-64	6.3			3.0	4.4	0.3		2.2	20.1			9.8				
65+																
Unknown																
All Ages	56.4	127.2		93.2	78.3	122.5		100.5	32.9	59.9		46.3	18.8	49.7		34.4

Age Group	Total IHS				Total U.S. (Adjusted)			
	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4		1.9		0.9	0.4	1.4		0.9
5-9		3.0		1.5	0.1	0.7		0.4
10-14		2.0	19.2	10.5	5.2	26.2		15.6
15-19	118.8	389.9		251.2	248.6	556.5		399.9
20-24	353.2	631.9		490.3	450.6	584.2		517.6
25-29	228.5	388.4		307.8	266.0	237.2		252.3
30-34	120.7	181.8		152.2	160.5	110.8		136.0
35-39	85.0	99.3		92.2	89.3	50.3		69.9
40-44	59.9	66.9		63.4	66.9	25.8		46.4
45-54	47.8	34.8		41.1	37.1	9.7		23.3
54-64	14.2	4.3		9.0	12.9	2.5		7.5
65+	6.5	1.3		3.6	2.8	0.4		1.5
Unknown								
All Ages	85.3	147.1		116.6	98.7	108.9		104.2

Note: Table notes on page 94.

# IHS Area Tables

**Table 12A** Primary and Secondary Syphilis - Reported Cases by Sex - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 1998-2011

Year	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
1999	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	2	2	0	4	0	0	0	0
2001	0	0	0	0	0	0	0	0	2	3	0	5	0	0	0	0
2002	0	0	0	0	0	0	0	0	4	4	0	8	0	0	0	0
2003	1	0	0	1	1	0	0	1	3	5	0	8	0	0	0	0
2004	0	0	0	0	0	0	0	0	5	7	0	12	0	0	0	0
2005	0	0	0	0	1	0	0	1	7	5	0	12	0	0	0	0
2006	3	0	0	3	1	0	0	1	5	2	0	7	0	0	0	0
2007	0	1	0	1	0	0	0	0	2	1	0	3	0	0	0	0
2008	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0
2009	0	0	0	0	0	0	0	0	5	2	0	7	1	0	0	1
2010	0	0	0	0	0	0	0	0	7	0	0	7	4	0	0	4
2011	0	0	0	0	1	0	0	1	9	0	0	9	0	0	0	0

Year	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	0	0	0	0	0	1	0	1	0	1	1	2	0	1	0	1
1999	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	2	0	2	2	0	0	2
2001	0	0	0	0	0	0	0	0	0	1	0	1	3	5	0	8
2002	0	0	0	0	1	0	0	1	0	0	0	0	5	7	0	12
2003	0	0	0	0	1	0	0	1	1	0	0	1	13	10	0	23
2004	0	0	0	0	2	0	0	2	0	0	0	0	12	18	0	30
2005	0	0	0	0	1	0	0	1	2	1	0	3	12	4	0	16
2006	0	0	0	0	2	0	0	2	0	1	0	1	16	9	1	26
2007	0	0	0	0	3	0	0	3	0	0	0	0	8	12	0	20
2008	0	0	0	0	1	0	0	1	1	0	0	1	7	4	0	11
2009	0	0	0	0	0	0	0	0	1	0	0	1	6	4	0	10
2010	0	0	0	0	5	0	0	5	2	1	0	3	3	1	0	4
2011	1	0	0	1	5	0	0	5	2	0	0	2	5	1	0	6

UNK = Unknown

Note: Table notes on page 94.

Table 12A Continued

Year	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	2	5		7	4	4		8	0	0		0	0		0	
1999	4	12		16	4	3		7	0	1		1	0	0		0
2000	3	3		6	4	4		8	0	0		0	0		0	
2001	1	1		2	6	3		9	0	0		0	0		0	
2002	0	2		2	2	4		6	3	0		3	1	0		1
2003	1	0		1	8	1		9	2	0		2	0	1		1
2004	0	0		0	5	6		11	3	0		3	0	0		0
2005	0	1		1	5	5	1	11	1	0		1	0	1	0	1
2006	4	2		6	5	2	0	7	1	0		1	0	0		0
2007	1	2		3	6	7		13	2	0		2	7	8		15
2008	2	6		8	4	3		7	1	1		2	4	2		6
2009	6	0		6	9	0		9	1	1		2	2	3		5
2010	5	0		5	17	3		20	2	1		3	3	1		4
2011	5	1		6	9	1	1	11	9	1		10	3	0	0	3

Year	Total IHS				Total U.S. (Unadjusted)			
	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	7	12	1	20	3,909	3,096	2	7,007
1999	9	17		26	3,835	2,777	5	6,617
2000	11	11		22	3,532	2,445	2	5,979
2001	12	13		25	4,134	1,967	2	6,103
2002	16	17		33	5,267	1,594	1	6,862
2003	31	17		48	5,956	1,217	4	7,177
2004	27	31		58	6,722	1,255	3	7,980
2005	29	17	1	47	7,383	1,339	2	8,724
2006	37	16	1	54	8,293	1,458	5	9,756
2007	29	31		60	9,769	1,692	5	11,466
2008	21	17		38	11,255	2,242	3	13,500
2009	31	10		41	11,764	2,232	1	13,997
2010	48	7		55	11,981	1,780	13	13,774
2011	49	4	1	54	12,453	1,501	16	13,970

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 94.

# IHS Area Tables

**Table 12B** Primary and Secondary Syphilis - Rates per 100,000 Population by Sex - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 1998-2011

Year	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	0.0	0.0		0.0	1.9	0.0		1.0	0.0	0.0		0.0	0.0		0.0	0.0
1999	0.0	2.0		1.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
2000	0.0	0.0		0.0	0.0	0.0		0.0	3.0	2.8		2.9	0.0	0.0		0.0
2001	0.0	0.0		0.0	0.0	0.0		0.0	3.0	4.2		3.6	0.0	0.0		0.0
2002	0.0	0.0		0.0	0.0	0.0		0.0	5.7	5.4		5.5	0.0	0.0		0.0
2003	2.0	0.0		1.0	1.8	0.0		0.9	4.2	6.5		5.4	0.0	0.0		0.0
2004	0.0	0.0		0.0	0.0	0.0		0.0	6.7	8.8		7.8	0.0	0.0		0.0
2005	0.0	0.0		0.0	1.7	0.0		0.9	9.1	6.7		7.9	0.0	0.0		0.0
2006	5.8	0.0		2.8	1.8	0.0		0.9	6.4	2.3		4.3	0.0	0.0		0.0
2007	0.0	1.9		1.0	0.0	0.0		0.0	2.7	1.3		2.0	0.0	0.0		0.0
2008	0.0	1.8		0.9	0.0	0.0		0.0	1.3	0.0		0.6	0.0	0.0		0.0
2009	0.0	0.0		0.0	0.0	0.0		0.0	6.3	2.4		4.3	1.7	0.0		0.8
2010	0.0	0.0		0.0	0.0	0.0		0.0	8.3	0.0		4.0	6.1	0.0		3.0
2011	0.0	0.0		0.0	1.6	0.0		0.8	10.7	0.0		5.2	0.0	0.0		0.0

Year	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	0.0	0.0		0.0	0.0	1.1		0.6	0.0	2.4		2.4	0.0	1.1		0.6
1999	0.0	0.0		0.0	0.0	0.0		0.0	2.3	0.0		1.1	0.0	0.0		0.0
2000	0.0	0.0		0.0	0.0	0.0		0.0	0.0	4.4		2.2	2.3	0.0		1.1
2001	0.0	0.0		0.0	0.0	0.0		0.0	0.0	2.2		1.1	3.5	5.5		4.5
2002	0.0	0.0		0.0	1.0	0.0		0.5	0.0	0.0		0.0	5.7	7.5		6.7
2003	0.0	0.0		0.0	1.0	0.0		0.5	2.0	0.0		1.0	14.7	10.6		12.6
2004	0.0	0.0		0.0	2.0	0.0		1.0	0.0	0.0		0.0	13.9	19.6		16.8
2005	0.0	0.0		0.0	1.0	0.0		0.5	4.0	2.0		3.0	13.8	3.7		8.6
2006	0.0	0.0		0.0	1.9	0.0		1.0	0.0	1.9		0.9	18.8	10.0		14.9
2007	0.0	0.0		0.0	2.9	0.0		1.4	0.0	0.0		0.0	9.5	13.3		11.5
2008	0.0	0.0		0.0	0.9	0.0		0.4	1.4	0.0		0.7	8.1	4.3		6.2
2009	0.0	0.0		0.0	0.0	0.0		0.0	1.4	0.0		0.7	6.9	4.1		5.4
2010	0.0	0.0		0.0	3.3	0.0		1.7	2.5	1.3		1.9	3.4	1.1		2.2
2011	3.0	0.0		1.5	3.4	0.0		1.7	2.5	0.0		1.3	5.7	1.1		3.4

UNK = Unknown

Note: Table notes on page 94.

Table 12B Continued

Year	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
1998	1.3	3.2		2.3	5.0	4.9		5.0	0.0	0.0		0.0	0.0		0.0	0.0
1999	2.6	7.5		5.1	4.8	3.5		4.1	0.0	1.2		0.6	0.0	0.0		0.0
2000	1.9	1.9		1.9	4.6	4.5		4.5	0.0	0.0		0.0	0.0		0.0	0.0
2001	0.6	0.6		0.6	6.6	3.2		4.9	0.0	0.0		0.0	0.0		0.0	0.0
2002	0.0	1.2		0.6	2.1	4.1		3.1	3.5	0.0		1.7	5.8	0.0		2.8
2003	0.6	0.0		0.3	8.3	1.0		4.6	2.3	0.0		1.2	0.0	5.4		2.8
2004	0.0	0.0		0.0	5.2	6.0		5.6	3.5	0.0		1.7	0.0	0.0		0.0
2005	0.0	0.6		0.3	4.9	4.8		5.3	1.1	0.0		0.6	0.0	5.4		2.7
2006	2.5	1.2		1.8	5.0	1.9		3.4	1.1	0.0		0.6	0.0	0.0		0.0
2007	0.6	1.2		0.9	5.7	6.4		6.1	2.2	0.0		1.1	39.6	43.2		41.5
2008	1.2	3.5		2.4	3.5	2.5		3.0	1.0	1.0		1.0	20.3	9.7		14.9
2009	3.6	0.0		1.8	7.7	0.0		3.9	0.9	1.0		1.0	9.9	14.2		12.1
2010	2.6	0.0		1.3	12.9	2.3		7.6	1.7	0.9		1.3	13.1	4.3		8.6
2011	2.6	0.5		1.5	6.8	0.8		4.2	7.6	0.9		4.2	13.1	0.0		6.5

Year	Total IHS				Total U.S. (Unadjusted)					
	Male	Female	UNK	Total	Male	Female	UNK	Total		
1998				0.9	1.5		1.3	2.9	2.2	2.5
1999				1.1	2.1		1.6	2.8	2.0	2.4
2000				1.3	1.3		1.3	2.6	1.7	2.1
2001				1.4	1.5		1.5	3.0	1.4	2.1
2002				1.9	2.0		1.9	3.7	1.1	2.4
2003				3.6	1.9		2.8	4.2	0.8	2.5
2004				3.1	3.5		3.3	4.7	0.8	2.7
2005				3.3	1.9		2.6	5.1	0.9	2.9
2006				4.2	1.8		3.0	5.6	1.0	3.3
2007				3.2	3.4		3.3	6.6	1.1	3.8
2008				2.2	1.8		2.0	7.5	1.5	4.4
2009				3.2	1.0		2.1	7.8	1.4	4.6
2010				4.4	0.6		2.5	7.9	1.1	4.5
2011				4.5	0.4		2.5	8.1	0.9	4.5

Note: Table notes on page 94.

# IHS Area Tables

**Table 13A** Primary and Secondary Syphilis - Reported Cases by Sex and Age Group - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 2011

Age Group	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
20-24	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0
25-29	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0
30-34	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
35-39	0	0	0	0	1	0	0	1	1	0	0	1	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown																
All Ages	0	0	0	0	1	0	0	1	9	0	0	9	0	0	0	0

Age Group	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19	1	0	0	1	1	0	0	1	0	0	0	0	1	0	0	1
20-24	0	0	0	0	1	0	0	1	1	0	0	1	1	0	0	1
25-29	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	2
30-34	0	0	0	0	2	0	0	2	1	0	0	1	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
45-54	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
54-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown																
All Ages	1	0	0	1	5	0	0	5	2	0	0	2	5	1	0	6

UNK = Unknown

Note: Table notes on page 94.

Table 13A Continued

Age Group	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19	1	0	0	1	1	0	0	1	0	1	0	1	1	0	0	1
20-24	2	1	0	3	1	0	1	2	2	0	0	2	1	0	0	1
25-29	0	0	0	0	2	1	0	3	3	0	0	3	1	0	0	1
30-34	0	0	0	0	4	0	0	4	2	0	0	2	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
45-54	2	0	0	2	0	0	0	0	1	0	0	1	0	0	0	0
54-64	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
65+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown																
All Ages	5	1	0	6	9	1	1	11	9	1	0	10	3	0	0	3

Age Group	Total IHS				Total U.S. (Adjusted)			
	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4	0	0	0	0	5	4	0	9
5-9	0	0	0	0	1	0	0	1
10-14	0	0	0	0	6	9	0	15
15-19	7	1	0	8	606	258	0	864
20-24	11	1	1	13	2,582	403	2	2,987
25-29	12	2	0	14	2,277	268	1	2,546
30-34	10	0	0	10	1,657	187	2	1,846
35-39	2	0	0	2	1,265	115	2	1,382
40-44	2	0	0	2	1,408	91	4	1,503
45-54	4	0	0	4	1,999	120	4	2,123
54-64	1	0	0	1	510	43	1	554
65+	0	0	0	0	135	3	0	138
Unknown					2	0	0	2
All Ages	49	4	1	54	12,453	1,501	16	13,970

Note: Total cases may not equal male and female cases due to rounding. Additional table notes on page 94.

# IHS Area Tables

**Table 13B** Primary and Secondary Syphilis - Rates per 100,000 Population by Sex and Age Group - Indian Health Service Areas (American Indians and Alaska Natives) and the United States (All Races), 2011

Age Group	Aberdeen				Alaska				Albuquerque				Bemidji			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
5-9	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
10-14	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
15-19	0.0	0.0		0.0	0.0	0.0		0.0	12.3	0.0		6.2	0.0	0.0		0.0
20-24	0.0	0.0		0.0	0.0	0.0		0.0	25.4	0.0		12.8	0.0	0.0		0.0
25-29	0.0	0.0		0.0	0.0	0.0		0.0	57.0	0.0		28.4	0.0	0.0		0.0
30-34	0.0	0.0		0.0	0.0	0.0		0.0	16.3	0.0		8.2	0.0	0.0		0.0
35-39	0.0	0.0		0.0	29.9	0.0		15.1	18.6	0.0		9.1	0.0	0.0		0.0
40-44	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
45-54	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
54-64	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
65+	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
Unknown																
All Ages	0.0	0.0		0.0	1.6	0.0		0.8	10.7	0.0		5.2	0.0	0.0		0.0

Age Group	Billings				California				Nashville				Navajo			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
5-9	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
10-14	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		0.0	0.0
15-19	30.7	0.0		15.4	6.7	0.0		3.4	0.0	0.0		0.0	10.5	0.0		5.3
20-24	0.0	0.0		0.0	7.5	0.0		3.9	14.2	0.0		7.5	13.2	0.0		6.7
25-29	0.0	0.0		0.0	8.1	0.0		4.2	0.0	0.0		0.0	16.8	17.4		17.1
30-34	0.0	0.0		0.0	18.5	0.0		9.4	16.6	0.0		8.5	0.0	0.0		0.0
35-39	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
40-44	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	19.4	0.0		9.5
45-54	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	9.7	0.0		4.5
54-64	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
65+	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0
Unknown																
All Ages	3.0	0.0		1.5	3.4	0.0		1.7	2.5	0.0		1.3	5.7	1.1		3.4

UNK = Unknown

Note: Table notes on page 94.

Table 13B Continued

Age Group	Oklahoma City				Phoenix				Portland				Tucson			
	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-19	5.3	0.0	2.7	7.8	7.8	0.0	4.0	12.6	0.0	9.5	4.6	43.3	0.0	22.5	0.0	65.8
20-24	12.9	6.6	9.8	29.3	7.9	0.0	8.1	16.0	19.4	0.0	10.1	47.1	0.0	67.2	0.0	134.3
25-29	0.0	0.0	0.0	16.9	9.2	13.2	30.1	32.0	0.0	16.3	53.4	0.0	26.4	0.0	79.8	0.0
30-34	0.0	0.0	0.0	38.7	0.0	20.0	58.7	23.0	0.0	11.7	0.0	0.0	0.0	0.0	0.0	0.0
35-39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40-44	0.0	0.0	0.0	12.3	0.0	6.1	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45-54	8.9	0.0	4.3	0.0	0.0	0.0	8.9	7.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	10.4
54-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	14.9
65+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown																
All Ages	2.6	0.5	1.5	6.8	0.8	4.2	11.8	7.6	0.9	4.2	13.1	0.0	6.5	0.0	13.1	6.5

Age Group	Total IHS				Total U.S. (Adjusted)			
	Male	Female	UNK	Total	Male	Female	UNK	Total
0-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2
15-19	6.5	1.0	3.8	11.3	5.4	2.4	3.9	11.7
20-24	11.5	1.1	7.0	19.6	23.4	3.8	13.8	37.2
25-29	14.0	2.4	8.3	24.7	21.4	2.6	12.1	24.0
30-34	13.1	0.0	6.6	19.7	16.6	1.9	9.2	18.5
35-39	2.9	0.0	1.4	4.3	12.6	1.1	6.8	13.7
40-44	3.0	0.0	1.5	4.5	13.5	0.9	7.2	14.4
45-54	3.2	0.0	1.5	4.7	9.0	0.5	4.7	9.5
54-64	1.2	0.0	0.6	1.8	2.9	0.2	1.5	3.1
65+	0.0	0.0	0.0	0.0	0.8	0.0	0.3	0.8
Unknown								
All Ages	4.5	0.4	2.5	7.4	8.2	1.0	4.5	13.7

Note: Table notes on page 94.

## Table Notes

### Table 1A

Data source: NNDSS Morbidity file, unadjusted • Cases with unknown sex are included in the Totals  
STD source: 2011 CDC STD Surveillance Report, Tables 1, 3-5, 13-15, 25-27

### Table 1B

Data source: NNDSS Morbidity file, unadjusted • Population source: NCHS bridged-race file of the U.S. Census population (2000-2010); U.S. Census Bureau estimates (2000) • 2011 rates are computed using 2010 populations to be consistent with the 2011 CDC STD Surveillance Report  
STD source: 2011 CDC STD Surveillance Report, Tables 1, 3-5, 13-15, 25-27

### Table 2A

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2006-2011 • All races, including AI/ANs, are non-Hispanic; Hispanics, in total, are shown as a separate race group • Total cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. cases with unknown sex are included in the Totals  
STD source: 2011 CDC STD Surveillance Report, Table 11A (cases by race/ethnicity group) and Tables 1, 3-5 (Total U.S.)

### Table 2B

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2006-2011 • Population source: NCHS bridged-race file of the U.S. Census 2000 population • 2011 rates are computed using 2010 populations  
STD source: 2011 CDC STD Surveillance Report, Table 11B (rates by race/ethnicity group) and Tables 1, 3-5 (Total U.S.)

### Table 3A

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2011 • All races, including AI/ANs, are non-Hispanic; Hispanics, in total, are shown as a separate race group • No states are excluded • Total US cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. cases match National Table 1A • Total U.S. cases with unknown sex are included in the Totals  
STD source: 2011 CDC STD Surveillance Report, Table 10, 11A and 11B (cases by race/ethnicity group) and Tables 1, 3-5 (Total U.S.)

### Table 3B

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2011 • Population source: NCHS bridged-race file of the U.S. Census 2000 population • Total US cases do not include an adjustment for redistribution of persons with unknown race • 2011 rates are computed using 2010 populations  
STD source: 2011 CDC STD Surveillance Report, Table 10, 11A and 11B (rates by race/ethnicity group) and Tables 10 (Total U.S.)

### Table 4A

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2006-2011 • All races, including AI/ANs, are non-Hispanic; Hispanics, in total, are shown as a separate race group • Total US cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. cases match National Table 1A • Total U.S. cases with unknown sex are included in the Totals  
STD source: 2011 CDC STD Surveillance Report, Table 21A (cases by race/ethnicity group) and Tables 1, 13-15 (Total U.S.)

### Table 4B

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2006-2011 • Population source: NCHS bridged-race file of the U.S. Census 2000 population • 2011 rates are computed using 2010 populations  
STD source: 2011 CDC STD Surveillance Report, Table 21B (rates by race/ethnicity group) and Tables 1, 13-15 (Total U.S.)

### Table 5A

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2011 • All races, including AI/ANs, are non-Hispanics, Hispanics, in total, are shown as a separate race group • No states are excluded • Total US cases do not include an adjustment for redistribution of persons with unknown race  
STD source: 2011 CDC STD Surveillance Report, Table 21B (cases by race/ethnicity group) and Table 20 (Total U.S.)

### Table 5B

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2011 • Population source: NCHS bridged-race file of the U.S. Census 2000 population • Total US cases do not include an adjustment for redistribution of persons with unknown race • 2011 rates are computed using 2010 populations  
STD source: 2011 CDC STD Surveillance Report, Table 21B (rates by race/ethnicity group) and Tables 20 (Total U.S.)

**Table 6A**

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2006-2011 • All races, including AI/ANs, are non-Hispanic; Hispanics, in total, are shown as a separate race group • Total US cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. cases match National Table 1A • Total U.S. cases with unknown sex are included in the Totals  
STD source: 2011 CDC STD Surveillance Report, Table 33A (cases by race/ethnicity group) and Tables 1, 25-27 (Total U.S.)

**Table 6B**

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2006-2011 • Population source: NCHS bridged-race file of the U.S. Census 2000 population • Total US cases do not include an adjustment for redistribution of persons with unknown race • 2011 rates are computed using 2010 populations  
STD source: 2011 CDC STD Surveillance Report, Table 33B (rates by race/ethnicity group) and Tables 1, 25-27 (Total U.S.)

**Table 7A**

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2011 • All races, including AI/ANs, are non-Hispanics, Hispanics, in total, are shown as a separate race group • No states are excluded • Total US cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. cases are adjusted (no exclusions but cases of unknown sex and age are re-distributed to known age and sex groups)  
STD source: 2011 CDC STD Surveillance Report, Table 33A (cases by race/ethnicity group) and Table 33 (Total U.S.)

**Table 7B**

Data source: NNDSS Age-Race/Ethnicity-Sex files, 2011 • Population source: NCHS bridged-race file of the U.S. Census 2000 population • Total US cases do not include an adjustment for redistribution of persons with unknown race • 2011 rates are computed using 2010 populations  
STD source: 2011 CDC STD Surveillance Report, Table 33B (rates by race/ethnicity group) and Table 32 (Total U.S.)

**Table 8A: IHS Area—Chlamydia cases by year**

Data source: NNDSS Morbidity file (U.S. Total cases) • AI/AN cases include AI/AN Hispanics • IHS cases are all AI/AN cases reported from IHS service counties. If counties are split between IHS Areas, the cases are proportioned to each IHS Area based on established percentages (Appendix B) • Total US cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. cases match IHS National Table 1A.  
STD source for Total U.S. cases: 2011 CDC STD Surveillance Report, Tables 1 and 3-5

**Table 8B: IHS Area—Chlamydia rates by year**

Population source: NCHS bridged-race file of the U.S. Census 2000 population • AI/AN Hispanics are included in the AI/AN populations • IHS populations are based on AI/AN living in IHS service counties. If counties are split between IHS Areas, the populations are proportioned based on established percentages (Appendix B) • Total US cases do not include an adjustment for redistribution of persons with unknown race • 2011 Total U.S. rates are computed using 2010 populations  
STD source for Total U.S. rates: 2011 CDC Surveillance Report, Tables 1 and 3-5

**Table 9A: IHS Area—Chlamydia cases by age group**

Data source: NNDSS Age-Race/Ethnicity-Sex file, 2011 (U.S. Total cases) • AI/AN cases include AI/AN Hispanics • IHS cases are all AI/AN cases reported from IHS service counties. If counties are split between IHS Areas, the cases are proportioned to each IHS Area based on established percentages (Appendix B) • No states are excluded • Total US cases do not include an adjustment for redistribution of persons with unknown race  
STD source for Total U.S. cases: 2011 CDC STD Surveillance Report, Table 10

**Table 9B: IHS Area—Chlamydia rates by age group**

Population source: NCHS bridged-race file of the U.S. Census 2000 population • AI/AN Hispanics are included in the AI/AN populations • IHS populations are based on AI/AN living in IHS service counties. If counties are split between IHS Areas, the populations are proportioned based on established percentages (Appendix B) • Total US cases do not include an adjustment for redistribution of persons with unknown race • 2011 Total U.S. rates are computed using 2010 populations.  
STD source for Total U.S. rates: 2011 CDC STD Surveillance Report, Table 10

**Table 10A: IHS Area—Gonorrhea cases by year**

Data source: NNDSS Morbidity file (U.S. Total cases) • AI/AN cases include AI/AN Hispanics • IHS cases are all AI/AN cases reported from IHS service counties. If counties are split between IHS Areas, the cases are proportioned to each IHS Area based on established percentages (Appendix B) • Total US cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. cases match IHS National Table 1A  
STD source for Total U.S. cases: 2011 CDC STD Surveillance Report, Tables 1 and 13-15

**Table 10B: IHS Area—Gonorrhea cases by year**

Population source: NCHS bridged-race file of the U.S. Census 2000 population with exclusions for IHS • AI/AN Hispanics are included in the AI/AN populations • IHS populations are based on AI/AN living in IHS service counties. If counties are split between IHS Areas, the populations are proportioned based on established percentages (Appendix B) • Total US cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. rates match National Table 1B • 2011 Total U.S. rates are computed using 2010 populations. STD source for Total U.S. rates: 2011 CDC Surveillance Report, Tables 1 and 13-11

**Table 11A: IHS Area—Gonorrhea cases by age group**

Data source: NNDSS Age Race/Ethnicity-Sex file, 2011 (U.S. Total cases) • AI/AN cases include AI/AN Hispanics • IHS cases are all AI/AN cases reported from IHS service counties. If counties are split between IHS Areas, the cases are proportioned to each IHS Area based on established percentages (Appendix B) • No states are excluded • Total US cases do not include an adjustment for redistribution of persons with unknown race  
STD source for Total U.S. cases: 2011 CDC Surveillance Report, Table 20

**Table 11B: IHS Area—Gonorrhea rates by age group**

Population source: NCHS bridged-race file of the U.S. Census 2000 population • AI/AN Hispanics are included in the AI/AN populations • IHS Populations are based on AI/ANs living in IHS service counties. If counties are split between IHS Areas, the populations are proportioned based on established percentages (Appendix B) • Total US cases do not include an adjustment for redistribution of persons with unknown race • 2011 Total U.S. rates are computed using 2010 populations. STD source for Total U.S. rates: 2011 CDC Surveillance Report, Table 20

**Table 12A: IHS Area—P&S cases by year**

Data source: NNDSS Morbidity file (U.S. Total cases) • AI/AN cases include AI/AN Hispanics • IHS cases are all AI/AN cases reported from IHS service counties. If counties are split between IHS Areas, the cases are proportioned to each IHS Area based on established percentages (Appendix B). • Total US cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. cases match IHS National Table 1A  
STD source for Total U.S. cases: 2011 CDC STD Surveillance Report, Tables 1 and 26-28

**Table 12B: IHS Area—P&S rates by year**

Population source: NCHS bridged-race file of the U.S. Census 2000 population • AI/AN Hispanics are included in the AI/AN populations • IHS Populations are based on AI/ANs living in IHS service counties. If counties are split between IHS Areas, the populations are proportioned based on established percentages (Appendix B) • Total US cases do not include an adjustment for redistribution of persons with unknown race • Total U.S. rates match National Table 1B • 2011 Total U.S. rates are computed using 2010 populations  
STD source for Total U.S. rates: 2011 CDC Surveillance Report, Tables 1 and 26-28

**Table 13A: IHS Area—P&S cases by age group**

Data source: NNDSS Age-Race/Ethnicity-Sex file, 2011 (U.S. Total cases) • AI/AN cases include AI/AN Hispanics • IHS cases are all AI/AN cases reported from IHS service counties. If counties are split between IHS Areas, the cases are proportioned to each IHS Area based on established percentages (Appendix B) • No states are excluded • Total US cases do not include an adjustment for redistribution of persons with unknown race  
STD source for Total U.S. cases: 2011 CDC STD Surveillance Report, Table 33

**Table 13B: IHS Area—P&S rates by age group**

Population source: NCHS bridged-race file of the U.S. Census 2000 population • AI/AN Hispanics are included in the AI/AN populations • IHS Populations are based on AI/ANs living in IHS service counties. If counties are split between IHS Areas, the populations are proportioned based on established percentages (Appendix B) • Total US cases do not include an adjustment for redistribution of persons with unknown race • 2011 Total U.S. rates are computed using 2010 populations. STD source for Total U.S. rates: 2011 CDC STD Surveillance Report, Table 33

**Appendix A: Comparison of IHS Service Population and IHS Eligible Population - 2011**

IHS Service Population source: NCHS bridged-race file of the U.S. Census 2000 population and vital event data for 1998 to 2007 • IHS Eligible Population source: based on official county estimates from the U.S. Census 2000 bridged-race file

# Appendix A

## Comparison of IHS Service Population and IHS Eligible Population, 2011 Estimates

IHS Area	IHS Service Population (Official)	IHS Eligible Population (STD Report)	Population Difference	% Difference
Aberdeen	129,283	122,705	-6,578	-5.4%
Alaska	132,363	120,452	-11,911	-9.9%
Albuquerque	113,229	173,015	59,786	34.6%
Bemidji	128,506	131,621	3,115	2.4%
Billings	73,098	68,263	-4,835	-7.1%
California	189,624	299,382	109,758	36.7%
Nashville	134,501	159,884	25,383	15.9%
Navajo	256,211	178,911	-77,300	-43.2%
Oklahoma City	388,412	393,920	5,508	1.4%
Phoenix	216,988	264,266	47,278	17.9%
Portland	215,304	235,418	20,114	8.5%
Tucson	38,624	46,327	7,703	16.6%
<b>IHS Total</b>	<b>2,016,143</b>	<b>2,194,164</b>	<b>178,021</b>	<b>8.1%</b>

Note: IHS Service Population projections are based on bridged 2000 Census data and vital event data for 1998 to 2007.  
 IHS Eligible Population estimates are based on official county estimates from the 2000 Census bridged-race file.

# Appendix B

Counties Shared Between IHS Areas or Partially Contained Within an IHS Area, 2011 Percentage Splits

State and County	IHS Area	Percentage of County Population assigned to IHS Area
<b>Arizona</b>		
Apache County	Navajo	98.747
	Phoenix	1.253
Coconino County	Navajo	97.404
	Phoenix	2.596
Maricopa County	Phoenix	99.73
	Tucson	0.27
Navajo County	Navajo	62.014
	Phoenix	37.986
Pinal County	Phoenix	93.371
	Tucson	6.629
<b>California</b>		
Imperial County	California	92.577
	Phoenix	7.423
Riverside County	California	99.243
	Phoenix	0.757
San Bernardino County	California	95.668
	Phoenix	4.332

Appendix B, Continued

State and County	IHS Area	Percentage of County Population assigned to IHS Area
<b>New Mexico</b>		
Cibola County	Albuquerque	98.667
	Navajo	1.333
McKinley County	Albuquerque	16.438
	Navajo	83.562
Rio Arriba County	Albuquerque	99.396
	Navajo	0.604
Sandoval County	Albuquerque	77.624
	Navajo	22.376
<b>Utah</b>		
San Juan County	Albuquerque	3.572
	Navajo	96.428

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