

# HIV | SURVEILLANCE REPORT

SUPPLEMENTAL REPORT

Volume 23, Number 2

## **Diagnoses of HIV Infection among Adults and Adolescents in Metropolitan Statistical Areas— United States and Puerto Rico, 2016**

This issue of the *HIV Surveillance Supplemental Report* is published by the Division of HIV/AIDS Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Centers for Disease Control and Prevention (CDC), U.S. Department of Health and Human Services, Atlanta, Georgia.

Data are presented for diagnoses of HIV infection reported to CDC through December 2017.

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**On the Web:** <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>

### **Confidential information, referrals, and educational material on HIV infection**

CDC-INFO

1-800-232-4636 (in English, en Español)

1-888-232-6348 (TTY)

<http://wwwn.cdc.gov/dcs/ContactUs/Form>

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To best direct resources toward communities with the greatest need, health planners often establish priorities by comparing the magnitude and effect of HIV infection amongst geographic areas. This surveillance supplemental report presents data on diagnoses of HIV infection during 2016 and on persons living with diagnosed HIV infection at year-end 2015 (prevalence) for adults and adolescents (aged 13 years and older) residing in metropolitan statistical areas (MSAs, population of 500,000 or more) in the United States and Puerto Rico. HIV programs may use this information to focus on populations and areas at greatest need for HIV prevention and treatment services, which is consistent with the High-Impact Prevention approach pursued by the Centers for Disease Control and Prevention (CDC).

This report presents numbers and rates (cases diagnosed per 100,000 persons) of diagnoses of HIV infection during 2016 and of persons living with diagnosed HIV infection as of December 31, 2015 for adults and adolescents aged 13 years and older. Rankings for HIV diagnoses are based on rates derived from the MSA data.

## REPORT FORMAT

Data in this report are presented by MSA of residence at the time of diagnosis for adults and adolescents aged 13 years and older with HIV infection diagnosed during 2016 and by MSA of residence at year-end 2015 (i.e., most recent known address) for persons living with diagnosed HIV infection (prevalence). Data on diagnosis of HIV infection, by sex, age, and race/ethnicity include numerical rankings by MSA for rates of diagnoses of HIV infection (Tables 1a–1c, 2a, 3a, 4a, 5a, 10).

The multiple imputation procedure was used to assign transmission categories to cases of HIV infection that were reported without an identified risk factor (Tables 6a–9c). For more information on this procedure, refer to Technical Notes.

Reported numbers less than 12 and accompanying rates based on these numbers should be interpreted with caution. At the end of each table, rows are included to present summary data for all MSAs,

smaller metropolitan areas (population 50,000–499,999), and nonmetropolitan areas (population less than 50,000).

Please read all titles and footnotes carefully to ensure a complete understanding of the data presented in each table.

## HIGHLIGHTS OF ANALYSES

The statements in this section, unless otherwise indicated, are based on stable rates (i.e., based on 12 or more diagnoses or prevalent cases). All rates are per 100,000 population and refer to adults and adolescents aged 13 years and older. Rates of diagnoses of HIV infection are based on the number of diagnoses of HIV infection during 2016. HIV prevalence is based on the number of persons living with diagnosed HIV infection as of December 31, 2015.

### Diagnoses of HIV Infection among Adults and Adolescents in MSAs, Smaller Metropolitan Areas, and Nonmetropolitan Areas

- For adults and adolescents residing in MSAs in the United States and Puerto Rico, rates of diagnoses of HIV infection (17.4) and HIV prevalence (421.5) are approximately 2 times the rates of those residing in smaller metropolitan areas (10.0 and 201.6, respectively), and approximately 3 times the rates of those residing in nonmetropolitan areas (6.0 and 138.4, respectively) (Table 1a).

### Diagnoses of HIV Infection among Adults and Adolescents by MSA and Sex

- Among adults and adolescents, the following 5 MSAs had the highest rates of diagnoses of HIV infection: Miami-Fort Lauderdale-West Palm Beach, FL (44.1), New Orleans-Metairie, LA (38.5), Baton Rouge, LA (35.4), Atlanta-Sandy Springs-Roswell, GA (32.0), and Jackson, MS (30.3).
- Among male and female adults and adolescents, MSAs in the South had the highest rates of diagnoses of HIV infection. For males, the following 5 MSAs had the highest rates of diagnoses of

HIV infection: Miami-Fort Lauderdale-West Palm Beach, FL (72.0), New Orleans-Metairie, LA (63.1), Atlanta-Sandy Springs-Roswell, GA (55.4), Baton Rouge, LA (50.2), and Jackson, MS (49.7). For females, the following 5 MSAs had the highest rates of diagnoses of HIV infection: Baton Rouge, LA (21.3), Miami-Fort Lauderdale-West Palm Beach, FL (18.3), New Orleans-Metairie, LA (15.9), Jacksonville, FL (13.6), and Jackson, MS (13.1) (Tables 1b/c).

- Among male and female adults and adolescents, HIV prevalence rates (1,510.1 and 559.9, respectively) were highest in Miami-Fort Lauderdale-West Palm Beach, FL (Tables 1b/c).

### Diagnoses of HIV Infection among Adults and Adolescents by MSA, Sex, and Age

- Among males aged 13–24 years, the rate of diagnoses of HIV infection (98.9) was highest in New Orleans-Metairie, LA, and the HIV prevalence (351.7) was highest in Jackson, MS. Among males aged 25–34 years, the rate of diagnoses of HIV infection (142.2) was highest in Miami-Fort Lauderdale-West Palm Beach, FL, and the HIV prevalence (1,411.1) was highest in Atlanta-Sandy Springs-Roswell, GA. Among all other age groups for males (i.e., 35–44 years, 45–54 years, and 55 years and older), the rates of diagnoses of HIV infection (106.7, 68.6, and 23.2, respectively) and HIV prevalence rates (1,651.2, 2,999.5, and 1,572.2, respectively) were highest in Miami-Fort Lauderdale-West Palm Beach, FL (Tables 2a/b).
- Among females aged 13–24 years, the rate of diagnoses of HIV infection (18.7) was highest in Baton Rouge, LA, and the HIV prevalence (120.6) was highest in Miami-Fort Lauderdale-West Palm Beach, FL. Among females aged 25–34 years, the rate of diagnoses of HIV infection (41.3) and the HIV prevalence (685.4) was highest in Baton Rouge, LA. Among females aged 35–44 years, the rate of diagnoses of HIV infection (29.2) was highest in New Orleans-Metairie, LA, and the HIV prevalence (1,113.9) was highest in Baton Rouge, LA. Among females aged 45–54 years, the rate of diagnoses of HIV infection (22.5) was highest in Baton Rouge, LA, and the HIV prevalence (1,075.1) was highest in Baltimore-Columbia-Towson, MD. Among

females aged 55 years and older, the rate of diagnoses of HIV infection (10.4) was highest in Baton Rouge, LA, and the HIV prevalence (493.6) was highest in New York-Newark-Jersey City, NY-NJ-PA (Tables 3a/b).

### Diagnoses of HIV Infection among Adults and Adolescents by MSA, Sex, and Race/Ethnicity

- Among American Indian/Alaska Native males, the only stable rate of diagnoses of HIV infection (i.e., based on 12 or more diagnoses; 54.8) was in Phoenix-Mesa-Scottsdale, AZ; the HIV prevalence (1,218.6) was highest in San Francisco-Oakland-Hayward, CA. Among American Indian/Alaska Native females, the HIV prevalence (435.9) was highest in Bridgeport-Stamford-Norwalk, CT. There were no stable rates of diagnoses of HIV infection for American Indian/Alaska Native females (Tables 4a–5b).
- Among Asian males, the rate of diagnoses of HIV infection (23.1) was highest in Miami-Fort Lauderdale-West Palm Beach, FL. Among Asian males and females, HIV prevalence rates (374.2 and 161.4, respectively) were highest in Indianapolis-Carmel-Anderson, IN. The only stable rate of diagnoses of HIV infection for Asian females (2.2) was in New York-Newark-Jersey City, NY-NJ-PA (Tables 4a–5b).
- Among black/African American males, 4 of the 5 MSAs with the highest rates of diagnoses of HIV infection were in the South and 1 was in the West: Greensboro-High Point, NC (136.3), New Orleans-Metairie, LA (133.2), Atlanta-Sandy Springs-Roswell, GA (129.4), Las Vegas-Henderson-Paradise, NV (124.8), and Miami-Fort Lauderdale-West Palm Beach, FL (120.5). The HIV prevalence for black/African American males (2,965.1) was highest in Miami-Fort Lauderdale-West Palm Beach, FL. Among black/African American females, 4 of the 5 MSAs with the highest rates of diagnoses of HIV infection were in the South and 1 was in the Northeast: Worcester, MA-CT (109.3), Miami-Fort Lauderdale-West Palm Beach, FL (62.8), Lakeland-Winter Haven, FL (54.3), Orlando-Kissimmee-Sanford, FL (50.7), and Baton Rouge, LA (50.3). The HIV prevalence for black/African American females (2,378.6) was highest in Portland-South Portland, ME (Tables 4a–5b).

- Among Hispanic/Latino males, 4 of the 5 MSAs with the highest rates of diagnoses of HIV infection were in the South and 1 was in the Northeast: Harrisburg-Carlisle, PA (94.6), Louisville/Jefferson County, KY-IN (84.8), Miami-Fort Lauderdale-West Palm Beach, FL (84.1), Columbia, SC (74.0), and New Orleans-Metairie, LA (69.0). The HIV prevalence for Hispanic/Latino males (1,797.0) was highest in New York-Newark-Jersey City, NY-NJ-PA. Among Hispanic/Latino females, 3 of the 5 MSAs with the highest rates of diagnoses of HIV infection were in the Northeast and 2 were in the South: Boston-Cambridge-Newton, MA-NH (16.3), Philadelphia-Camden-Wilmington, PA-NJ-DE-MD (13.1), New York-Newark-Jersey City, NY-NJ-PA (11.1), Houston-The Woodlands-Sugar Land, TX (8.3), and Orlando-Kissimmee-Sanford, FL (8.0). The HIV prevalence for Hispanic/Latino females (934.3) was highest in Springfield, MA (Tables 4a–5b).
- Data are not presented in Tables 4a–5b for Native Hawaiians/other Pacific Islanders due to small population denominators (i.e., less than 100). Among Native Hawaiian/other Pacific Islander males, the highest HIV prevalence (2,386.8) was in Scranton-Wilkes Barre-Hazleton, PA. Among Native Hawaiian/other Pacific Islander females, the highest HIV prevalence (3,354.6) was in Harrisburg-Carlisle, PA. There were no stable rates of diagnoses of HIV infection for Native Hawaiian/other Pacific Islander males or females.
- Among white males, 3 of the 5 MSAs with the highest rates of diagnoses of HIV infection were in the South and 2 were in the West: Miami-Fort Lauderdale-West Palm Beach, FL (33.6), Las Vegas-Henderson-Paradise, NV (26.9), New Orleans-Metairie, LA (25.6), Fresno, CA (25.0), and Orlando-Kissimmee-Sanford, FL (23.8). The HIV prevalence for white males (1,279.6) was highest in San Francisco-Oakland-Hayward, CA. Among white females, 4 of the 5 MSAs with the highest rates of diagnoses of HIV infection were in the South and 1 in the West: Miami-Fort Lauderdale-West Palm Beach, FL (6.6), Jacksonville, FL (5.3), Orlando-Kissimmee-Sanford, FL (4.5), New Orleans-Metairie, LA (4.4), and San Francisco-Oakland-Hayward, CA

(3.2). The HIV prevalence for white females (127.8) was highest in Miami-Fort Lauderdale-West Palm Beach, FL (Tables 4a–5b).

### **Diagnoses of HIV Infection among Adults and Adolescents by MSA, Sex, and Transmission Category**

- Among males, the numbers of diagnoses of HIV infection attributed to male-to-male sexual contact (2,129) and injection drug use (151) were highest in New York-Newark-Jersey City, NY-NJ-PA. The number of diagnoses of HIV infection attributed to male-to-male sexual contact *and* injection drug use (62) was highest in Los Angeles-Long Beach-Anaheim, CA. The number of diagnoses of HIV infection attributed to heterosexual contact (311) was highest in Miami-Fort Lauderdale-West Palm Beach, FL. Also, the numbers of males living with diagnosed HIV infection attributed to male-to-male sexual contact (58,477), injection drug use (16,682), male-to-male sexual contact *and* injection drug use (5,601), and heterosexual contact (10,799) were highest in New York-Newark-Jersey City, NY-NJ-PA. The numbers of HIV diagnoses and HIV prevalence for all transmission categories among females, including injection drug use (91 and 12,306, respectively) and heterosexual contact (655 and 27,194, respectively) were highest in New York-Newark-Jersey City, NY-NJ-PA (Tables 6a–7b).

### **Diagnoses of HIV Infection among Adults and Adolescents by MSA, Race/Ethnicity, and Transmission Category**

- Among black/African American adults and adolescents, the number of diagnoses of HIV infection attributed to male-to-male sexual contact (813) was highest in Atlanta-Sandy Springs-Roswell, GA, while injection drug use (117) was highest in New York-Newark-Jersey City, NY-NJ-PA, male-to-male sexual contact *and* injection drug use (44) was highest in Baltimore-Columbia-Towson, MD, and heterosexual contact (542) was highest in Miami-Fort Lauderdale-West Palm Beach, FL. The numbers of persons living with diagnosed HIV infection attributed to male-to-male sexual contact (16,902), injection drug use (14,113),

male-to-male sexual contact *and* injection drug use (1,701), and heterosexual contact (20,499) were highest in New York-Newark-Jersey City, NY-NJ-PA (Tables 8a, 9a).

- Among Hispanic/Latino adults and adolescents, the numbers of diagnoses of HIV infection attributed to male-to-male sexual contact and male-to-male sexual contact *and* injection drug use (925 and 32, respectively) were highest in Los Angeles-Long Beach-Anaheim, CA, while injection drug use and heterosexual contact (77 and 287, respectively) were highest in New York-Newark-Jersey City, NY-NJ-PA. The numbers of persons living with diagnosed HIV infection attributed to male-to-male sexual contact (19,910), injection drug use (11,966), male-to-male sexual contact *and* injection drug use (2,333), and heterosexual contact (12,042) were highest in New York-Newark-Jersey City, NY-NJ-PA (Tables 8b, 9b).
- Among white adults and adolescents, the number of diagnoses of HIV infection attributed to male-to-male sexual contact (391) was highest in Los Angeles-Long Beach-Anaheim, CA, injection drug use (37) was highest in Boston-Cambridge-Newton, MA-NH, male-to-male sexual contact *and* injection drug use (23) was highest in Denver-Aurora-Lakewood, CO, and heterosexual contact (77) was highest in New York-Newark-Jersey City, NY-NJ-PA. The numbers of persons living with diagnosed HIV infection attributed to male-to-male sexual contact (16,203), injection drug use (2,903), male-to-male sexual contact *and* injection drug use (2,333), and heterosexual contact (2,557) were highest in New York-Newark-Jersey City, NY-NJ-PA, while male-to-male sexual contact *and* injection drug use (1,494) was highest in San Francisco-Oakland-Hayward, CA (Tables 8c, 9c).

### **Deaths of Adults and Adolescents with Diagnosed HIV Infection, by MSA and Sex**

- Among adults and adolescents, the death rates in 2015 for persons with diagnosed HIV infection were highest in Baton Rouge, LA (16.9), Miami-Fort Lauderdale-West Palm Beach, FL (16.2), Memphis, TN-MS-AR (14.7), New Orleans-

Metairie, LA (14.2), and Baltimore-Columbia-Towson, MD (12.3) (Table 10).

- Among adult and adolescent males, the death rates in 2015 for persons with diagnosed HIV infection were highest in Baton Rouge, LA (24.8), Miami-Fort Lauderdale-West Palm Beach, FL (22.8), New Orleans-Metairie, LA (20.7), Memphis, TN-MS-AR (20.0), and Tampa-St. Petersburg-Clearwater, FL (18.4) (Table 10).
- Among adult and adolescent females, the death rates in 2015 for persons with diagnosed HIV infection were highest in Miami-Fort Lauderdale-West Palm Beach, FL (10.0), Memphis, TN-MS-AR (9.8), Baton Rouge, LA (9.3), Baltimore-Columbia-Towson, MD (8.4), Jackson, MS (11.2), and New Orleans-Metairie, LA (8.2) (Table 10).

### **SUGGESTED READINGS**

- CDC. *HIV Surveillance Report, 2016*; vol. 28. <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published November 2017. Accessed April 20, 2018.
- CDC. Diagnosed HIV infection among adults and adolescents in metropolitan statistical areas—United States and Puerto Rico, 2015. *HIV Surveillance Supplemental Report* 2017;22(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2017. Accessed April 20, 2018.
- CDC. High-Impact HIV Prevention in the United States: CDC’s approach to reducing HIV infections in the United States. <http://www.cdc.gov/hiv/policies/hip/hip.html>. Accessed April 20, 2018.
- CDC. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2015. *HIV Surveillance Supplemental Report* 2017;22(No. 2). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published July 2017. Accessed April 20, 2018.
- National HIV/AIDS strategy for the United States: updated to 2020. <http://www.aids.gov/federal-resources/national-hiv-aids-strategy/overview/>. Published July 2015. Accessed April 20, 2018.



## SURVEILLANCE OF HIV INFECTION

This report includes case report data on persons aged 13 years and older from 50 states, the District of Columbia, and Puerto Rico in which laws or regulations require confidential reporting to the jurisdiction (not to CDC), by name for adults and adolescents with confirmed diagnoses of HIV infection. After the removal of personal identifying information, data from these reports were submitted to CDC.

Numbers and rates for 108 MSAs and 28 divisions located within any of these areas were included in the tabulations. Aside from the summary totals for smaller metropolitan (50,000–499,999 population) and non-metropolitan areas (less than 50,000) that are provided in the final rows of each table, data on diagnosed HIV infection among persons who resided in MSAs with populations of less than 500,000 are not presented in detail. The MSAs and divisions were located in 44 states (Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Utah, Virginia, Washington, West Virginia, and Wisconsin), the District of Columbia, and 1 U.S. dependent area (Puerto Rico). Alaska, Montana, North Dakota, South Dakota, Vermont, and Wyoming do not have MSAs within their borders.

## TABULATION AND PRESENTATION OF DATA

The data in this report include information received by CDC through December 31, 2017. Data are presented for adults and adolescents aged 13 years and older with HIV infection diagnosed during 2016 or living with diagnosed HIV infection as of December 31, 2015 (prevalence). Tables include the total numbers and rates of diagnoses of HIV infection in 2016 by MSA of residence at diagnosis, and the total numbers and rates of HIV prevalence by MSA of residence at year-end 2015 (i.e., most recent known address). Summary data

are provided for persons residing in MSAs (populations of 500,000 or more), in metropolitan areas with populations of 50,000–499,999, and in nonmetropolitan areas (populations of less than 50,000), including diagnoses of HIV infection among persons with an unknown county of residence.

Please use caution when interpreting reported numbers less than 12 and accompanying rates based on these numbers.

In accordance with *Data Re-Release Agreement for HIV Surveillance and Surveillance-Related Data* (issued October 24, 2011) [1], a suppression rule was applied for population denominators less than 100. This affected Native Hawaiians/other Pacific Islanders, who had female populations of less than 100 in 15 MSAs and male populations of less than 100 in 17 MSAs.

Data for American Indians/Alaska Natives and Asians were excluded from tabulations by MSA, race/ethnicity, and transmission category (Tables 8a–9c), as nearly all of the case counts for American Indians/Alaska Natives and Asians in these tables were less than 12 and thus were associated with small numbers and unstable rates.

We excluded data for San Juan-Carolina-Caguas, PR from tables displaying diagnoses of HIV infection by race/ethnicity (Tables 4a–5b, 8a–9c). The 2016 postcensal estimates do not include population estimates for Puerto Rico by race/ethnicity, thereby preventing assessment of the suppression rule for these population denominators.

## Diagnoses of HIV Infection

Data in this report were compiled from diagnoses of HIV infection that were reported by the 50 states, the District of Columbia, and Puerto Rico to CDC through December 31, 2017. All jurisdictions report diagnoses of HIV infection to CDC based on the guidelines for HIV case surveillance. Both the 2008 and 2014 HIV case definitions were used to classify HIV infection among adults and adolescents [2, 3]. Cases diagnosed before 2014 were classified according to the 2008 HIV case definition, and cases diagnosed in 2014 or after were classified according to the 2014 HIV case definition. Please use caution when interpreting data on diagnoses of HIV infection. HIV surveillance reports may

not be representative of all persons with HIV because not all infected persons have (1) been tested or (2) tested at a time when the infection could be detected and diagnosed. Also, some states offer anonymous HIV testing; the results of anonymous tests are not reported to the confidential name-based HIV registries of state and local health departments. In addition, testing patterns are influenced by many factors, including the extent to which testing is routinely offered to specific groups, or the availability of, and access to, medical care and testing services. The data presented in this report provide minimum numbers of persons for whom HIV infection has been diagnosed and reported to the surveillance system.

### **Persons Living with Diagnosed HIV Infection (Prevalence)**

Prevalence of HIV infection was based on the number of persons living with diagnosed HIV infection, regardless of the stage of disease, as of December 31, 2015. The exclusion of data from the most recent year allowed at least 18 months for deaths to be reported and for these deaths to be factored into calculations of prevalence.

### **Deaths**

Persons reported to the National HIV Surveillance System are assumed alive unless their deaths have been reported to CDC. Death data include all deaths of persons with diagnosed HIV infection, regardless of the cause of death (Table 10). Data are reported for deaths that occurred by December 31, 2015, thereby allowing at least 18 months for deaths to be reported to CDC. For death data, MSA of residence is based on residence at death. When information on residence at death is not available, the MSA where a person's death occurred is used.

### **Population of Area of Residence**

In the *Federal Register* for June 28, 2010, the Office of Management and Budget (OMB) published revised standards for defining MSAs in federal statistical activities [4]. These standards, which provided for the identification of MSAs in the United States and Puerto Rico, replaced the 2000 standards. The adoption of the new standards was effective as of June 28, 2010. On February 28, 2013, OMB announced new MSA delineations based on the new standards and Census 2010 data [5]. OMB defines populations of area of residence as areas with populations of 500,000 or more (MSAs),

areas with populations of 50,000–499,999, or areas with populations of less than 50,000 (nonmetropolitan areas). The Boston-Cambridge-Newton, MA-NH, New York-Newark-Jersey City, NY-NJ-PA, and San Francisco-Oakland-Hayward, CA MSAs all include 1 division with a population less than 500,000. Therefore, data presented for divisions in these 3 MSAs do not sum to the MSA totals.

### **Age**

The designation “adults and adolescents” refers to persons aged 13 years and older. For presentations of data on persons living with diagnosed HIV infection (Tables 1a/b/c, 2b, 3b, 4b, 5b, 6b, 7b, 9a/b/c), the age-group assignment (e.g., 20–24 years) is based on the person's age as of December 31, 2015. For presentations of data on deaths of persons with diagnosed HIV infection (Table 10), age-group assignment (i.e., 13 years and older) is determined based on the person's age at the time of death. For presentations of data on diagnoses of HIV infection in 2016, the age-group assignment is based on the person's age at the time of diagnosis.

Age-group designations for transmission categories in tables displaying data on prevalence are based on a person's age at the end of 2015. That is, the transmission categories in these tables include persons who were children at the time of diagnosis but who were aged 13 years and older on December 31, 2015.

### **Race and Ethnicity**

The data presented in this report were collected using OMB's revised standards for ethnic and racial data, which calls for splitting Asian/Pacific Islander into 2 categories (Asian and Native Hawaiian/other Pacific Islander) and collecting 2 categories of ethnicity (Hispanic or Latino and not Hispanic or Latino) [6]. For presentations of data on persons living with diagnosed HIV infection by race/ethnicity (Tables 4b, 5b), the Asian category includes cases in Asians/Pacific Islanders that were diagnosed before the implementation of the new ethnic/racial categories in 2003 plus a small proportion of cases in Asians and Native Hawaiians/other Pacific Islanders that were diagnosed after 2003 and classified according to the old racial category (Asian/ Pacific Islander). Persons living with diagnosed HIV infection includes cases with unknown race/ethnicity that had HIV infection diagnosed before implementation of the 2001 requirement to have ethnic and racial data for a case.

Ethnicity data were also collected in accordance with the revised OMB standards [6]. Hispanics and Latinos can be of any race (Tables 4a–5b, 8c, 9c).

### Transmission Categories

Transmission category is the term for the classification of cases that summarizes a person’s possible HIV risk factors; the summary classification results from selecting, from the presumed hierarchical order of probability, the single risk factor most likely to have been responsible for transmission. For surveillance purposes, a diagnosis of HIV infection is counted only once in the hierarchy of transmission categories. Persons with more than 1 reported risk factor for HIV infection are classified in the transmission category listed first in the hierarchy. The exception is men who had sexual contact with other men *and* injected drugs; this group makes up a separate transmission category.

Persons whose transmission category is classified as male-to-male sexual contact include men who ever had sexual contact with other men (i.e., homosexual contact) and men who ever had sexual contact with both men and women (i.e., bisexual contact). Persons whose transmission category is classified as heterosexual contact are persons who have ever had heterosexual contact with a person known to have, or to be at high risk for, HIV infection (e.g., an injection drug user).

Cases of HIV infection reported without a risk factor listed in the hierarchy of transmission categories are classified as “no identified risk (NIR)” [7]. Cases classified as NIR include cases that are being followed up by local health department staff; cases in persons whose risk-factor information is missing because they died, declined to be interviewed, or were lost to follow-up; and cases in persons who were interviewed or for whom other follow-up information was available but for whom no risk factor was identified.

Because a substantial proportion of cases of HIV infection are reported to CDC without an identified risk factor, multiple imputation is used to assign a transmission category [7]. Multiple imputation is a statistical approach in which each missing transmission category is replaced with a set of plausible values that represent the uncertainty about the true, but missing, value [8]. The plausible values are analyzed by using standard procedures, and the results from these analyses are then combined to produce the final results. In the tables displaying transmission categories (Tables 6a–9c), multiple imputation was used.

### Rates

Rates per 100,000 population were calculated for (1) the numbers of diagnoses of HIV infection in 2016, (2) the numbers of persons living with diagnosed HIV infection at year-end 2015 (prevalence), and (3) the numbers of deaths at year-end 2015 of persons with diagnosed HIV infection.

The population denominators used to compute rates for areas in the United States and Puerto Rico were based on the Vintage 2016 postcensal estimates file from the U.S. Census Bureau [9]. Each rate was calculated by dividing the total number of diagnoses (or deaths or prevalence) for the calendar year by the population for that calendar year and then multiplying that number by 100,000. The denominators used for calculating the rates specific to age, sex, and race/ethnicity were computed by applying the appropriate vintage estimates for age, sex, and race/ethnicity for the 50 states and the District of Columbia [9]. The same method was used to calculate the denominators for Puerto Rico.

CDC currently does not provide subpopulation rates by race/ethnicity for Puerto Rico because the U.S. Census Bureau does not collect information from all dependent areas. Rates for transmission categories are not provided in this report because of the absence of denominator data from the U.S. Census Bureau, the source of data used for calculating all rates in this report. For this reason, and because the suppression rule could not be assessed for all population denominators (see Tabulation and Presentation of Data), rates for San Juan-Carolina-Caguas, PR were not calculated for the tables displaying race/ethnicity (Tables 4a/b, 5a/b, 8a/b/c, 9a/b/c).

### Ranks

Rank refers to the number assigned to an area or an MSA according to the magnitude of the measure, without consideration for the distance between the values [10]. The lowest rank number was assigned to the highest value of the measure. Ties were resolved by assigning the smallest of the corresponding ranks according to the SAS rank procedure [11]. Because rank indicates a relative position in a series, a rank value is influenced by fluctuations associated with the corresponding area or MSA as well as those of the other sites in the series. Rates based on reported numbers less than 12 were not assigned a rank.

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**Table 1a. Diagnoses of HIV infection, 2016, and persons living with diagnosed HIV infection (prevalence), year-end 2015, adults and adolescents, by metropolitan statistical area of residence—United States and Puerto Rico**

MSA of residence	Diagnosis, 2016 <sup>a</sup>			Prevalence of diagnosed HIV infection, year-end 2015 <sup>b</sup>	
	No.	Rate <sup>c</sup>	Rank <sup>d</sup>	No.	Rate <sup>c</sup>
<b>Top 10 MSAs by rate of diagnoses of HIV infection, 2016</b>					
Miami–Fort Lauderdale–West Palm Beach, FL	2,285	44.1	1	52,072	1,017.0
Fort Lauderdale Division	736	45.5	—	18,686	1,169.0
Miami Division	1,256	54.3	—	25,616	1,115.6
West Palm Beach Division	293	23.5	—	7,770	633.9
New Orleans–Metairie, LA	409	38.5	2	7,407	701.2
Baton Rouge, LA	245	35.4	3	4,960	721.4
Atlanta–Sandy Springs–Roswell, GA	1,523	32.0	4	31,163	666.5
Jackson, MS	145	30.3	5	3,318	696.1
Orlando–Kissimmee–Sanford, FL	620	30.2	6	10,813	539.3
Memphis, TN–MS–AR	302	27.5	7	6,608	601.6
Houston–The Woodlands–Sugar Land, TX	1,469	27.0	8	27,577	516.1
Jacksonville, FL	327	26.4	9	6,551	540.4
Las Vegas–Henderson–Paradise, NV	461	25.8	10	7,392	423.0
<b>MSAs, alphabetical order</b>					
Akron, OH	62	10.3	67	884	147.3
Albany–Schenectady–Troy, NY	55	7.3	87	1,837	242.8
Albuquerque, NM	70	9.2	76	1,612	213.1
Allentown–Bethlehem–Easton, PA–NJ	51	7.2	90	1,440	203.2
Atlanta–Sandy Springs–Roswell, GA	1,523	32.0	4	31,163	666.5
Augusta–Richmond County, GA–SC	92	18.6	26	2,178	444.3
Austin–Round Rock, TX	314	18.5	27	5,615	340.8
Bakersfield, CA	106	15.2	41	1,518	219.7
Baltimore–Columbia–Towson, MD	522	22.2	16	17,745	754.9
Baton Rouge, LA	245	35.4	3	4,960	721.4
Birmingham–Hoover, AL	167	17.4	33	3,918	410.5
Boise City, ID	17	3.0	106	316	57.5
Boston–Cambridge–Newton, MA–NH <sup>e</sup>	446	10.8	64	13,606	333.4
Boston Division	243	14.2	—	7,899	464.3
Cambridge Division	194	9.6	—	5,399	268.7
Bridgeport–Stamford–Norwalk, CT	84	10.6	66	2,588	326.7
Buffalo–Cheektowaga–Niagara Falls, NY	91	9.4	72	2,358	242.5
Cape Coral–Fort Myers, FL	98	15.6	39	2,017	331.4
Charleston–North Charleston, SC	114	17.9	29	2,476	397.2
Charlotte–Concord–Gastonia, NC–SC	401	19.6	25	7,617	380.4
Chattanooga, TN–GA	58	12.4	57	1,048	226.5
Chicago–Naperville–Elgin, IL–IN–WI	1,284	16.2	38	29,150	367.2
Chicago Division	1,136	18.6	—	26,692	436.7
Elgin Division	40	7.7	—	374	72.1
Gary Division	60	10.3	—	1,141	194.8
Lake County Division	48	6.6	—	943	130.6
Cincinnati, OH–KY–IN	206	11.5	61	3,769	210.9
Cleveland–Elyria, OH	233	13.4	48	4,976	284.9
Colorado Springs, CO	41	7.0	93	792	138.1
Columbia, SC	167	24.3	12	3,843	564.9
Columbus, OH	238	14.1	44	5,270	315.6
Dallas–Fort Worth–Arlington, TX	1,365	23.3	14	25,035	437.1
Dallas Division	1,038	26.8	—	19,673	518.9
Fort Worth Division	327	16.5	—	5,362	276.9
Dayton, OH	65	9.6	69	1,478	219.3
Deltona–Daytona Beach–Ormond Beach, FL	92	16.5	37	1,748	320.7
Denver–Aurora–Lakewood, CO	305	12.8	52	8,783	377.0
Des Moines–West Des Moines, IA	37	7.2	89	771	152.4
Detroit–Warren–Dearborn, MI	506	14.0	45	9,486	262.4
Detroit Division	337	23.2	—	6,539	448.8
Warren Division	169	7.8	—	2,947	136.5

**Table 1a. Diagnoses of HIV infection, 2016, and persons living with diagnosed HIV infection (prevalence), year-end 2015, adults and adolescents, by metropolitan statistical area of residence—United States and Puerto Rico (cont)**

MSA of residence	Diagnosis, 2016 <sup>a</sup>			Prevalence of diagnosed HIV infection, year-end 2015 <sup>b</sup>	
	No.	Rate <sup>c</sup>	Rank <sup>d</sup>	No.	Rate <sup>c</sup>
Durham–Chapel Hill, NC	100	21.1	19	2,120	454.7
El Paso, TX	91	13.5	47	2,021	302.7
Fayetteville–Springdale–Rogers, AR–MO	29	6.8	96	590	141.6
Fresno, CA	132	17.0	36	1,649	214.7
Grand Rapids–Wyoming, MI	49	5.7	101	1,070	125.0
Greensboro–High Point, NC	156	24.5	11	2,515	398.0
Greenville–Anderson–Mauldin, SC	96	13.0	51	1,861	254.7
Harrisburg–Carlisle, PA	61	12.7	55	1,196	250.0
Hartford–West Hartford–East Hartford, CT	72	6.9	95	3,213	309.6
Honolulu (Urban), HI	61	7.3	86	1,629	195.3
Houston–The Woodlands–Sugar Land, TX	1,469	27.0	8	27,577	516.1
Indianapolis–Carmel–Anderson, IN	235	14.3	43	5,255	322.9
Jackson, MS	145	30.3	5	3,318	696.1
Jacksonville, FL	327	26.4	9	6,551	540.4
Kansas City, MO–KS	214	12.4	58	4,424	258.3
Knoxville, TN	63	8.5	78	1,069	145.8
Lakeland–Winter Haven, FL	120	21.4	18	2,145	393.5
Lancaster, PA	34	7.6	83	707	159.3
Las Vegas–Henderson–Paradise, NV	461	25.8	10	7,392	423.0
Lexington–Fayette, KY	54	12.7	54	1,050	250.2
Little Rock–North Little Rock–Conway, AR	144	23.7	13	2,045	337.8
Los Angeles–Long Beach–Anaheim, CA	2,229	19.9	23	54,402	488.9
Anaheim Division	347	13.0	—	6,138	231.8
Los Angeles Division	1,882	22.1	—	48,264	569.1
Louisville/Jefferson County, KY–IN	192	17.9	30	2,426	227.1
Madison, WI	27	4.9	104	696	128.4
McAllen–Edinburg–Mission, TX	82	12.7	53	1,125	177.4
Memphis, TN–MS–AR	302	27.5	7	6,608	601.6
Miami–Fort Lauderdale–West Palm Beach, FL	2,285	44.1	1	52,072	1,017.0
Fort Lauderdale Division	736	45.5	—	18,686	1,169.0
Miami Division	1,256	54.3	—	25,616	1,115.6
West Palm Beach Division	293	23.5	—	7,770	633.9
Milwaukee–Waukesha–West Allis, WI	123	9.4	71	3,038	232.0
Minneapolis–St. Paul–Bloomington, MN–WI	249	8.5	79	6,474	222.7
Modesto, CA	29	6.7	97	561	130.3
Nashville–Davidson–Murfreesboro–Franklin, TN	194	12.5	56	4,161	274.4
New Haven–Milford, CT	84	11.4	62	3,178	432.5
New Orleans–Metairie, LA	409	38.5	2	7,407	701.2
New York–Newark–Jersey City, NY–NJ–PA <sup>e</sup>	3,392	20.0	21	136,333	804.1
Nassau County Division	217	8.9	—	5,771	238.0
New York Division	2,708	22.3	—	115,763	957.9
Newark Division	443	21.0	—	13,721	652.4
North Port–Sarasota–Bradenton, FL	55	7.9	82	1,899	280.4
Ogden–Clearfield, UT	10	2.0	—	348	70.4
Oklahoma City, OK	148	13.2	49	2,614	235.8
Omaha–Council Bluffs, NE–IA	53	7.1	92	584	78.8
Orlando–Kissimmee–Sanford, FL	620	30.2	6	10,813	539.3
Oxnard–Thousand Oaks–Ventura, CA	44	6.2	98	920	130.7
Palm Bay–Melbourne–Titusville, FL	57	11.3	63	1,435	290.4
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	792	15.5	40	24,717	484.0
Camden Division	115	10.9	—	2,969	281.2
Montgomery Division	71	4.3	—	1,516	91.3
Philadelphia Division	525	29.4	—	17,885	1,003.5
Wilmington Division	81	13.3	—	2,347	385.8
Phoenix–Mesa–Scottsdale, AZ	576	15.0	42	11,296	300.7
Pittsburgh, PA	145	7.2	91	3,225	158.7
Portland–South Portland, ME	20	4.4	105	791	173.7

**Table 1a. Diagnoses of HIV infection, 2016, and persons living with diagnosed HIV infection (prevalence), year-end 2015, adults and adolescents, by metropolitan statistical area of residence—United States and Puerto Rico (cont)**

MSA of residence	Diagnosis, 2016 <sup>a</sup>			Prevalence of diagnosed HIV infection, year-end 2015 <sup>b</sup>	
	No.	Rate <sup>c</sup>	Rank <sup>d</sup>	No.	Rate <sup>c</sup>
Portland–Vancouver–Hillsboro, OR–WA	162	7.9	81	5,226	260.8
Providence–Warwick, RI–MA	105	7.6	84	3,317	239.7
Provo–Orem, UT	13	2.9	107	182	41.8
Raleigh, NC	187	17.4	34	3,574	341.9
Richmond, VA	187	17.3	35	4,224	394.7
Riverside–San Bernardino–Ontario, CA	510	13.9	46	7,631	210.1
Rochester, NY	56	6.1	99	2,853	309.6
Sacramento–Roseville–Arden–Arcade, CA	233	12.2	59	4,063	215.1
St. Louis, MO–IL	307	13.0	50	6,766	287.2
Salt Lake City, UT	102	10.8	65	1,865	201.9
San Antonio–New Braunfels, TX	389	19.6	24	6,194	319.2
San Diego–Carlsbad–San Marcos, CA	496	17.8	31	11,295	409.4
San Francisco–Oakland–Hayward, CA <sup>e</sup>	737	18.4	28	23,241	587.1
Oakland Division	384	16.4	—	7,419	320.1
San Francisco Division	325	22.7	—	15,019	1,059.1
San Jose–Sunnyvale–Santa Clara, CA	135	8.2	80	2,995	182.7
San Juan–Carolina–Caguas, PR	400	22.8	15	9,215	516.9
Santa Rosa, CA	31	7.2	88	1,206	281.1
Scranton–Wilkes-Barre–Hazleton, PA	27	5.6	102	625	130.2
Seattle–Tacoma–Bellevue, WA	306	9.6	70	8,737	279.1
Seattle Division	260	10.5	—	7,407	304.3
Tacoma Division	46	6.5	—	1,330	191.0
Spokane–Spokane Valley, WA	26	5.6	103	578	125.6
Springfield, MA	65	12.0	60	2,083	385.1
Stockton–Lodi, CA	55	9.3	73	1,288	221.9
Syracuse, NY	39	7.0	94	1,208	215.5
Tampa–St. Petersburg–Clearwater, FL	517	19.9	22	11,845	466.3
Toledo, OH	47	9.3	74	959	189.1
Tucson, AZ	86	10.0	68	2,350	275.9
Tulsa, OK	75	9.3	75	1,794	223.4
Virginia Beach–Norfolk–Newport News, VA–NC	299	20.7	20	5,335	369.5
Washington–Arlington–Alexandria, DC–VA–MD–WV	1,129	22.2	17	20,904	414.0
Silver Spring Division	194	18.1	—	3,978	373.4
Washington Division	935	23.2	—	16,926	424.9
Wichita, KS	39	7.4	85	862	165.2
Winston-Salem, NC	99	17.8	32	1,770	320.7
Worcester, MA–CT	71	8.9	77	1,931	243.1
Youngstown–Warren–Boardman, OH–PA	28	6.0	100	757	160.6
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>32,243</b>	<b>17.4</b>	<b>—</b>	<b>773,390</b>	<b>421.5</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>4,892</b>	<b>10.0</b>	<b>—</b>	<b>97,839</b>	<b>201.6</b>
<b>Nonmetropolitan areas</b>	<b>2,340</b>	<b>6.0</b>	<b>—</b>	<b>53,886</b>	<b>138.4</b>
<b>Total<sup>f</sup></b>	<b>39,854</b>	<b>14.6</b>	<b>—</b>	<b>981,424</b>	<b>362.2</b>

Note. Because of the lack of U.S. census information for all U.S. census dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

<sup>a</sup> Data are based on residence at HIV diagnosis.

<sup>b</sup> Data are based on address of residence at the end of the specified year (i.e., most recent known address).

<sup>c</sup> Rates are per 100,000 population.

<sup>d</sup> Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

<sup>e</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>f</sup> Includes persons whose county of residence is unknown.

**Table 1b. Diagnoses of HIV infection, 2016, and persons living with diagnosed HIV infection (prevalence), year-end 2015, adult and adolescent males, by metropolitan statistical area of residence—United States and Puerto Rico**

MSA of residence	Diagnosis, 2016 <sup>a</sup>			Prevalence of diagnosed HIV infection, year-end 2015 <sup>b</sup>	
	No.	Rate <sup>c</sup>	Rank <sup>d</sup>	No.	Rate <sup>c</sup>
<b>Top 10 MSAs by rate of diagnoses of HIV infection, 2016</b>					
Miami–Fort Lauderdale–West Palm Beach, FL	1,794	72.0	1	37,192	1,510.1
Fort Lauderdale Division	566	72.4	—	13,590	1,761.8
Miami Division	1,025	92.1	—	18,715	1,695.4
West Palm Beach Division	203	34.0	—	4,887	831.6
New Orleans–Metairie, LA	321	63.1	2	5,512	1,088.4
Atlanta–Sandy Springs–Roswell, GA	1,262	55.4	3	24,558	1,097.9
Baton Rouge, LA	169	50.2	4	3,143	940.5
Jackson, MS	112	49.7	5	2,254	1,002.6
Orlando–Kissimmee–Sanford, FL	486	48.8	6	7,957	819.0
Memphis, TN–MS–AR	243	46.8	7	4,519	870.2
Las Vegas–Henderson–Paradise, NV	394	44.4	8	6,158	708.6
Little Rock–North Little Rock–Conway, AR	126	43.2	9	1,611	555.3
Houston–The Woodlands–Sugar Land, TX	1,159	43.1	10	20,633	782.1
<b>MSAs, alphabetical order</b>					
Akron, OH	53	18.3	63	712	245.9
Albany–Schenectady–Troy, NY	47	12.8	84	1,237	336.6
Albuquerque, NM	65	17.5	67	1,450	392.9
Allentown–Bethlehem–Easton, PA–NJ	33	9.5	100	924	268.5
Atlanta–Sandy Springs–Roswell, GA	1,262	55.4	3	24,558	1,097.9
Augusta–Richmond County, GA–SC	67	28.1	36	1,426	602.4
Austin–Round Rock, TX	279	32.9	24	4,783	583.1
Bakersfield, CA	94	26.3	39	1,296	364.3
Baltimore–Columbia–Towson, MD	395	35.2	19	11,578	1,032.9
Baton Rouge, LA	169	50.2	4	3,143	940.5
Birmingham–Hoover, AL	135	29.7	34	2,919	643.1
Boise City, ID	16	5.7	105	263	96.3
Boston–Cambridge–Newton, MA–NH <sup>e</sup>	327	16.5	70	9,847	501.4
Boston Division	181	22.0	—	5,870	721.2
Cambridge Division	138	14.1	—	3,723	384.4
Bridgeport–Stamford–Norwalk, CT	66	17.2	69	1,688	441.7
Buffalo–Cheektowaga–Niagara Falls, NY	66	14.1	78	1,646	352.2
Cape Coral–Fort Myers, FL	76	24.9	43	1,391	470.0
Charleston–North Charleston, SC	94	30.4	31	1,824	604.0
Charlotte–Concord–Gastonia, NC–SC	326	33.2	22	5,427	565.3
Chattanooga, TN–GA	46	20.5	59	799	359.6
Chicago–Naperville–Elgin, IL–IN–WI	1,069	27.7	37	23,323	605.5
Chicago Division	950	32.2	—	21,468	726.5
Elgin Division	34	13.2	—	282	109.9
Gary Division	46	16.3	—	863	305.4
Lake County Division	39	10.9	—	710	198.5
Cincinnati, OH–KY–IN	156	17.8	66	2,980	343.1
Cleveland–Elyria, OH	187	22.4	50	3,928	470.9
Colorado Springs, CO	35	11.8	92	647	224.4
Columbia, SC	142	42.9	11	2,747	838.1
Columbus, OH	191	23.2	48	4,255	521.7
Dallas–Fort Worth–Arlington, TX	1,155	40.5	13	19,818	710.3
Dallas Division	883	46.7	—	15,765	852.9
Fort Worth Division	272	28.3	—	4,053	430.4
Dayton, OH	48	14.8	74	1,180	364.7
Deltona–Daytona Beach–Ormond Beach, FL	71	26.4	38	1,213	460.7
Denver–Aurora–Lakewood, CO	267	22.6	49	7,767	672.5
Des Moines–West Des Moines, IA	26	10.3	96	613	248.3
Detroit–Warren–Dearborn, MI	430	24.7	44	7,347	422.4
Detroit Division	284	41.2	—	4,936	713.2
Warren Division	146	13.9	—	2,411	230.2



**Table 1b. Diagnoses of HIV infection, 2016, and persons living with diagnosed HIV infection (prevalence), year-end 2015, adult and adolescent males, by metropolitan statistical area of residence—United States and Puerto Rico (cont)**

MSA of residence	Diagnosis, 2016 <sup>a</sup>			Prevalence of diagnosed HIV infection, year-end 2015 <sup>b</sup>	
	No.	Rate <sup>c</sup>	Rank <sup>d</sup>	No.	Rate <sup>c</sup>
Durham–Chapel Hill, NC	83	37.1	16	1,526	692.6
El Paso, TX	85	25.9	41	1,758	541.9
Fayetteville–Springdale–Rogers, AR–MO	26	12.3	87	475	230.7
Fresno, CA	116	30.2	32	1,357	356.5
Grand Rapids–Wyoming, MI	39	9.2	102	822	195.8
Greensboro–High Point, NC	126	41.9	12	1,768	591.8
Greenville–Anderson–Mauldin, SC	77	21.6	56	1,407	399.5
Harrisburg–Carlisle, PA	49	20.9	57	863	370.3
Hartford–West Hartford–East Hartford, CT	54	10.7	95	2,145	426.7
Honolulu (Urban), HI	54	12.9	83	1,422	339.5
Houston–The Woodlands–Sugar Land, TX	1,159	43.1	10	20,633	782.1
Indianapolis–Carmel–Anderson, IN	185	23.3	47	4,223	536.5
Jackson, MS	112	49.7	5	2,254	1,002.6
Jacksonville, FL	240	40.2	14	4,274	730.5
Kansas City, MO–KS	175	20.8	58	3,718	446.5
Knoxville, TN	52	14.5	77	837	235.5
Lakeland–Winter Haven, FL	85	31.3	29	1,426	538.8
Lancaster, PA	27	12.5	85	460	213.8
Las Vegas–Henderson–Paradise, NV	394	44.4	8	6,158	708.6
Lexington–Fayette, KY	42	20.3	60	889	435.7
Little Rock–North Little Rock–Conway, AR	126	43.2	9	1,611	555.3
Los Angeles–Long Beach–Anaheim, CA	2,008	36.7	17	48,169	884.5
Anaheim Division	320	24.5	—	5,408	416.4
Los Angeles Division	1,688	40.5	—	42,761	1,031.1
Louisville/Jefferson County, KY–IN	160	30.8	30	1,973	381.6
Madison, WI	23	8.4	103	585	218.1
McAllen–Edinburg–Mission, TX	75	24.2	46	918	300.7
Memphis, TN–MS–AR	243	46.8	7	4,519	870.2
Miami–Fort Lauderdale–West Palm Beach, FL	1,794	72.0	1	37,192	1,510.1
Fort Lauderdale Division	566	72.4	—	13,590	1,761.8
Miami Division	1,025	92.1	—	18,715	1,695.4
West Palm Beach Division	203	34.0	—	4,887	831.6
Milwaukee–Waukesha–West Allis, WI	103	16.3	71	2,397	379.2
Minneapolis–St. Paul–Bloomington, MN–WI	192	13.3	81	4,943	345.6
Modesto, CA	21	9.8	98	452	213.9
Nashville–Davidson–Murfreesboro–Franklin, TN	163	21.8	54	3,245	442.7
New Haven–Milford, CT	67	19.1	61	2,068	589.2
New Orleans–Metairie, LA	321	63.1	2	5,512	1,088.4
New York–Newark–Jersey City, NY–NJ–PA <sup>e</sup>	2,643	32.5	25	95,171	1,172.9
Nassau County Division	176	15.0	—	3,938	335.1
New York Division	2,128	36.8	—	81,777	1,421.1
Newark Division	322	31.6	—	8,636	850.9
North Port–Sarasota–Bradenton, FL	44	13.3	82	1,374	426.2
Ogden–Clearfield, UT	9	3.6	—	291	117.7
Oklahoma City, OK	119	21.7	55	2,171	400.5
Omaha–Council Bluffs, NE–IA	44	11.9	91	465	127.7
Orlando–Kissimmee–Sanford, FL	486	48.8	6	7,957	819.0
Oxnard–Thousand Oaks–Ventura, CA	40	11.5	94	788	227.4
Palm Bay–Melbourne–Titusville, FL	42	17.2	68	963	402.7
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	595	24.3	45	17,315	708.2
Camden Division	90	17.6	—	2,083	408.3
Montgomery Division	58	7.2	—	1,138	141.2
Philadelphia Division	386	46.1	—	12,552	1,502.7
Wilmington Division	61	20.7	—	1,542	525.2
Phoenix–Mesa–Scottsdale, AZ	493	26.0	40	9,700	522.8
Pittsburgh, PA	118	12.1	89	2,583	263.4
Portland–South Portland, ME	10	4.5	—	629	286.5

**Table 1b. Diagnoses of HIV infection, 2016, and persons living with diagnosed HIV infection (prevalence), year-end 2015, adult and adolescent males, by metropolitan statistical area of residence—United States and Puerto Rico (cont)**

MSA of residence	Diagnosis, 2016 <sup>a</sup>			Prevalence of diagnosed HIV infection, year-end 2015 <sup>b</sup>	
	No.	Rate <sup>c</sup>	Rank <sup>d</sup>	No.	Rate <sup>c</sup>
Portland–Vancouver–Hillsboro, OR–WA	147	14.7	76	4,663	474.0
Providence–Warwick, RI–MA	78	11.7	93	2,321	348.8
Provo–Orem, UT	11	4.9	—	156	71.5
Raleigh, NC	149	28.8	35	2,661	527.9
Richmond, VA	154	29.8	33	3,116	608.9
Riverside–San Bernardino–Ontario, CA	466	25.6	42	6,621	368.8
Rochester, NY	45	10.1	97	1,979	445.1
Sacramento–Roseville–Arden–Arcade, CA	206	22.2	51	3,379	369.0
St. Louis, MO–IL	251	22.2	52	5,432	480.7
Salt Lake City, UT	86	18.3	64	1,586	343.3
San Antonio–New Braunfels, TX	346	35.6	18	5,279	555.3
San Diego–Carlsbad–San Marcos, CA	440	31.5	27	10,145	733.2
San Francisco–Oakland–Hayward, CA <sup>e</sup>	621	31.6	26	20,927	1,077.0
Oakland Division	310	27.2	—	6,157	547.2
San Francisco Division	288	40.3	—	14,046	1,979.1
San Jose–Sunnyvale–Santa Clara, CA	116	13.9	79	2,604	316.1
San Juan–Carolina–Caguas, PR	313	37.9	15	6,469	770.3
Santa Rosa, CA	28	13.4	80	1,073	514.8
Scranton–Wilkes-Barre–Hazleton, PA	22	9.5	101	433	185.3
Seattle–Tacoma–Bellevue, WA	243	15.3	73	7,529	483.7
Seattle Division	209	16.9	—	6,460	532.8
Tacoma Division	34	9.7	—	1,069	310.9
Spokane–Spokane Valley, WA	18	7.8	104	501	220.8
Springfield, MA	56	21.8	53	1,352	528.2
Stockton–Lodi, CA	43	14.7	75	1,065	370.8
Syracuse, NY	33	12.2	88	850	314.2
Tampa–St. Petersburg–Clearwater, FL	413	33.2	21	8,830	724.7
Toledo, OH	44	18.0	65	706	288.4
Tucson, AZ	77	18.3	62	2,004	481.9
Tulsa, OK	64	16.3	72	1,502	384.8
Virginia Beach–Norfolk–Newport News, VA–NC	241	34.1	20	3,833	542.6
Washington–Arlington–Alexandria, DC–VA–MD–WV	817	33.1	23	14,499	593.7
Silver Spring Division	110	21.4	—	2,487	487.5
Washington Division	707	36.2	—	12,012	621.8
Wichita, KS	32	12.4	86	705	274.6
Winston-Salem, NC	83	31.4	28	1,218	464.3
Worcester, MA–CT	47	12.0	90	1,236	317.5
Youngstown–Warren–Boardman, OH–PA	22	9.7	99	564	246.8
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>26,224</b>	<b>29.1</b>	<b>—</b>	<b>589,373</b>	<b>661.3</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>3,846</b>	<b>16.0</b>	<b>—</b>	<b>72,462</b>	<b>304.1</b>
<b>Nonmetropolitan areas</b>	<b>1,849</b>	<b>9.5</b>	<b>—</b>	<b>40,879</b>	<b>210.6</b>
<b>Total<sup>f</sup></b>	<b>32,236</b>	<b>24.2</b>	<b>—</b>	<b>745,528</b>	<b>563.2</b>

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

<sup>a</sup> Data are based on residence at HIV diagnosis.

<sup>b</sup> Data are based on address of residence at the end of the specified year (i.e., most recent known address).

<sup>c</sup> Rates are per 100,000 population.

<sup>d</sup> Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

<sup>e</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>f</sup> Includes persons whose county of residence is unknown.

**Table 1c. Diagnoses of HIV infection, 2016, and persons living with diagnosed HIV infection (prevalence), year-end 2015, adult and adolescent females, by metropolitan statistical area of residence—United States and Puerto Rico**

MSA of residence	Diagnosis, 2016 <sup>a</sup>			Prevalence of diagnosed HIV infection, year-end 2015 <sup>b</sup>	
	No.	Rate <sup>c</sup>	Rank <sup>d</sup>	No.	Rate <sup>c</sup>
<b>Top 10 MSAs by rate of diagnoses of HIV infection, 2016</b>					
Baton Rouge, LA	76	21.3	1	1,817	514.2
Miami–Fort Lauderdale–West Palm Beach, FL	491	18.3	2	14,880	559.9
Fort Lauderdale Division	170	20.3	—	5,096	616.1
Miami Division	231	19.2	—	6,901	578.8
West Palm Beach Division	90	13.9	—	2,883	451.9
New Orleans–Metairie, LA	88	15.9	3	1,895	344.6
Jacksonville, FL	87	13.6	4	2,277	363.1
Jackson, MS	33	13.1	5	1,064	422.5
Orlando–Kissimmee–Sanford, FL	134	12.6	6	2,856	276.4
Lakeland–Winter Haven, FL	35	12.2	7	719	256.4
Washington, DC–VA–MD–WV	312	11.9	8	6,405	245.7
Houston–The Woodlands–Sugar Land, TX	310	11.2	9	6,944	256.7
Atlanta–Sandy Springs–Roswell, GA	261	10.5	10	6,605	270.8
<b>MSAs, alphabetical order</b>					
Akron, OH	9	2.9	—	172	55.3
Albany–Schenectady–Troy, NY	8	2.1	—	600	154.3
Albuquerque, NM	5	1.3	—	162	41.8
Allentown–Bethlehem–Easton, PA–NJ	18	4.9	48	516	141.6
Atlanta–Sandy Springs–Roswell, GA	261	10.5	10	6,605	270.8
Augusta–Richmond County, GA–SC	25	9.8	13	752	296.6
Austin–Round Rock, TX	35	4.1	57	832	100.6
Bakersfield, CA	12	3.6	67	222	66.2
Baltimore–Columbia–Towson, MD	127	10.3	11	6,167	501.5
Baton Rouge, LA	76	21.3	1	1,817	514.2
Birmingham–Hoover, AL	32	6.4	28	999	199.6
Boise City, ID	1	0.4	—	53	19.2
Boston–Cambridge–Newton, MA–NH <sup>e</sup>	119	5.6	37	3,759	177.6
Boston Division	62	6.9	—	2,029	228.6
Cambridge Division	56	5.4	—	1,676	161.0
Bridgeport–Stamford–Norwalk, CT	18	4.4	54	900	219.5
Buffalo–Cheektowaga–Niagara Falls, NY	25	5.0	45	712	141.0
Cape Coral–Fort Myers, FL	22	6.8	26	626	200.2
Charleston–North Charleston, SC	20	6.1	29	652	202.9
Charlotte–Concord–Gastonia, NC–SC	75	7.0	22	2,190	210.1
Chattanooga, TN–GA	12	4.9	47	249	103.5
Chicago–Naperville–Elgin, IL–IN–WI	215	5.3	42	5,827	142.6
Chicago Division	186	5.9	—	5,224	165.5
Elgin Division	6	2.3	—	92	35.1
Gary Division	14	4.6	—	278	91.7
Lake County Division	9	2.5	—	233	64.0
Cincinnati, OH–KY–IN	50	5.4	41	789	85.9
Cleveland–Elyria, OH	46	5.0	44	1,048	114.9
Colorado Springs, CO	6	2.1	—	145	50.8
Columbia, SC	25	7.0	23	1,096	310.9
Columbus, OH	47	5.4	40	1,015	118.8
Dallas–Fort Worth–Arlington, TX	210	7.0	24	5,217	177.6
Dallas Division	155	7.8	—	3,908	201.1
Fort Worth Division	55	5.4	—	1,309	131.6
Dayton, OH	17	4.8	50	298	85.1
Deltona–Daytona Beach–Ormond Beach, FL	21	7.3	21	535	189.9
Denver–Aurora–Lakewood, CO	38	3.2	70	1,016	86.5
Des Moines–West Des Moines, IA	11	4.2	—	158	61.0
Detroit–Warren–Dearborn, MI	76	4.1	59	2,139	114.0
Detroit Division	53	7.0	—	1,603	209.6
Warren Division	23	2.1	—	536	48.2

**Table 1c. Diagnoses of HIV infection, 2016, and persons living with diagnosed HIV infection (prevalence), year-end 2015, adult and adolescent females, by metropolitan statistical area of residence—United States and Puerto Rico (cont)**

MSA of residence	Diagnosis, 2016 <sup>a</sup>			Prevalence of diagnosed HIV infection, year-end 2015 <sup>b</sup>	
	No.	Rate <sup>c</sup>	Rank <sup>d</sup>	No.	Rate <sup>c</sup>
Durham–Chapel Hill, NC	17	6.8	27	594	241.6
El Paso, TX	6	1.7	—	263	76.6
Fayetteville–Springdale–Rogers, AR–MO	3	1.4	—	115	54.6
Fresno, CA	16	4.1	58	292	75.4
Grand Rapids–Wyoming, MI	10	2.3	—	248	56.9
Greensboro–High Point, NC	30	8.9	15	747	224.2
Greenville–Anderson–Mauldin, SC	19	4.9	46	454	120.0
Harrisburg–Carlisle, PA	12	4.9	49	333	135.7
Hartford–West Hartford–East Hartford, CT	18	3.4	69	1,068	199.6
Honolulu (Urban), HI	7	1.7	—	207	49.8
Houston–The Woodlands–Sugar Land, TX	310	11.2	9	6,944	256.7
Indianapolis–Carmel–Anderson, IN	50	5.9	31	1,032	122.8
Jackson, MS	33	13.1	5	1,064	422.5
Jacksonville, FL	87	13.6	4	2,277	363.1
Kansas City, MO–KS	39	4.4	53	706	80.2
Knoxville, TN	11	2.9	—	232	61.4
Lakeland–Winter Haven, FL	35	12.2	7	719	256.4
Lancaster, PA	7	3.0	—	247	108.0
Las Vegas–Henderson–Paradise, NV	67	7.4	19	1,234	140.5
Lexington–Fayette, KY	12	5.5	38	161	74.7
Little Rock–North Little Rock–Conway, AR	18	5.7	36	434	137.7
Los Angeles–Long Beach–Anaheim, CA	221	3.9	64	6,233	109.7
Anaheim Division	27	2.0	—	730	54.1
Los Angeles Division	194	4.5	—	5,503	127.0
Louisville/Jefferson County, KY–IN	32	5.8	33	453	82.1
Madison, WI	4	1.4	—	111	40.5
McAllen–Edinburg–Mission, TX	7	2.1	—	207	63.0
Memphis, TN–MS–AR	59	10.2	12	2,089	360.7
Miami–Fort Lauderdale–West Palm Beach, FL	491	18.3	2	14,880	559.9
Fort Lauderdale Division	170	20.3	—	5,096	616.1
Miami Division	231	19.2	—	6,901	578.8
West Palm Beach Division	90	13.9	—	2,883	451.9
Milwaukee–Waukesha–West Allis, WI	20	3.0	71	641	94.7
Minneapolis–St. Paul–Bloomington, MN–WI	57	3.8	65	1,531	103.7
Modesto, CA	8	3.6	—	109	49.7
Nashville–Davidson–Murfreesboro–Franklin, TN	31	3.9	63	916	116.9
New Haven–Milford, CT	17	4.4	52	1,110	289.2
New Orleans–Metairie, LA	88	15.9	3	1,895	344.6
New York–Newark–Jersey City, NY–NJ–PA <sup>e</sup>	749	8.5	16	41,162	465.6
Nassau County Division	41	3.3	—	1,833	146.7
New York Division	121	11.1	—	5,085	467.3
Newark Division	580	9.1	—	33,986	536.9
North Port–Sarasota–Bradenton, FL	11	3.0	—	525	148.0
Ogden–Clearfield, UT	1	0.4	—	57	23.1
Oklahoma City, OK	29	5.1	43	443	78.2
Omaha–Council Bluffs, NE–IA	9	2.4	—	119	31.6
Orlando–Kissimmee–Sanford, FL	134	12.6	6	2,856	276.4
Oxnard–Thousand Oaks–Ventura, CA	4	1.1	—	132	36.9
Palm Bay–Melbourne–Titusville, FL	15	5.8	34	472	185.1
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	197	7.4	20	7,402	278.0
Camden Division	25	4.6	—	886	162.4
Montgomery Division	13	1.5	—	378	44.2
Philadelphia Division	139	14.7	—	5,333	563.2
Wilmington Division	20	6.3	—	805	255.8
Phoenix–Mesa–Scottsdale, AZ	83	4.3	55	1,596	83.9
Pittsburgh, PA	27	2.6	73	642	61.0
Portland–South Portland, ME	10	4.2	—	162	68.7

**Table 1c. Diagnoses of HIV infection, 2016, and persons living with diagnosed HIV infection (prevalence), year-end 2015, adult and adolescent females, by metropolitan statistical area of residence—United States and Puerto Rico (cont)**

MSA of residence	Diagnosis, 2016 <sup>a</sup>			Prevalence of diagnosed HIV infection, year-end 2015 <sup>b</sup>	
	No.	Rate <sup>c</sup>	Rank <sup>d</sup>	No.	Rate <sup>c</sup>
Portland–Vancouver–Hillsboro, OR–WA	15	1.4	76	563	55.2
Providence–Warwick, RI–MA	27	3.8	66	996	138.7
Provo–Orem, UT	2	0.9	—	26	12.0
Raleigh, NC	38	6.8	25	913	168.7
Richmond, VA	33	5.8	32	1,108	198.4
Riverside–San Bernardino–Ontario, CA	44	2.4	74	1,010	55.0
Rochester, NY	11	2.3	—	874	183.3
Sacramento–Roseville–Arden–Arcade, CA	27	2.7	72	684	70.3
St. Louis, MO–IL	56	4.6	51	1,334	108.8
Salt Lake City, UT	16	3.4	68	279	60.4
San Antonio–New Braunfels, TX	43	4.3	56	915	92.4
San Diego–Carlsbad–San Marcos, CA	56	4.0	61	1,150	83.6
San Francisco–Oakland–Hayward, CA <sup>e</sup>	116	5.7	35	2,314	114.8
Oakland Division	74	6.1	—	1,262	105.8
San Francisco Division	37	5.2	—	973	137.4
San Jose–Sunnyvale–Santa Clara, CA	19	2.3	75	391	47.9
San Juan–Carolina–Caguas, PR	87	9.4	14	2,746	291.3
Santa Rosa, CA	3	1.4	—	133	60.3
Scranton–Wilkes-Barre–Hazleton, PA	5	2.0	—	192	77.9
Seattle–Tacoma–Bellevue, WA	63	3.9	62	1,208	76.7
Seattle Division	51	4.1	—	947	77.5
Tacoma Division	12	3.3	—	261	74.1
Spokane–Spokane Valley, WA	8	3.4	—	77	33.0
Springfield, MA	9	3.2	—	731	256.6
Stockton–Lodi, CA	12	4.0	60	223	76.1
Syracuse, NY	6	2.1	—	358	123.4
Tampa–St. Petersburg–Clearwater, FL	104	7.7	18	3,015	228.1
Toledo, OH	3	1.1	—	253	96.5
Tucson, AZ	9	2.0	—	346	79.4
Tulsa, OK	11	2.6	—	292	70.8
Virginia Beach–Norfolk–Newport News, VA–NC	58	7.8	17	1,502	203.7
Washington–Arlington–Alexandria, DC–VA–MD–WV	312	11.9	8	6,405	245.7
Silver Spring Division	84	15.0	—	1,491	268.5
Washington Division	228	11.0	—	4,914	239.5
Wichita, KS	7	2.6	—	157	59.2
Winston-Salem, NC	16	5.5	39	552	190.6
Worcester, MA–CT	24	5.9	30	695	171.6
Youngstown–Warren–Boardman, OH–PA	6	2.5	—	193	79.4
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>6,019</b>	<b>6.3</b>	<b>—</b>	<b>184,017</b>	<b>195.0</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>1,046</b>	<b>4.2</b>	<b>—</b>	<b>25,377</b>	<b>102.7</b>
<b>Nonmetropolitan areas</b>	<b>491</b>	<b>2.5</b>	<b>—</b>	<b>13,007</b>	<b>66.6</b>
<b>Total<sup>f</sup></b>	<b>7,618</b>	<b>5.5</b>	<b>—</b>	<b>235,896</b>	<b>170.2</b>

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

<sup>a</sup> Data are based on residence at HIV diagnosis.

<sup>b</sup> Data are based on address of residence at the end of the specified year (i.e., most recent known address).

<sup>c</sup> Rates are per 100,000 population.

<sup>d</sup> Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

<sup>e</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>f</sup> Includes persons whose county of residence is unknown.

**Table 2a. Diagnoses of HIV infection among adult and adolescent males, by age and metropolitan statistical area of residence, 2016—United States and Puerto Rico**

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
Akron, OH	17	29.0	49	20	44.4	50	6	15.3	—	4	8.5	—	6	6.0	—
Albany–Schenectady–Troy, NY	13	16.8	70	15	26.3	81	11	21.6	—	5	8.3	—	3	2.4	—
Albuquerque, NM	15	20.7	66	29	44.0	53	12	21.2	61	7	12.3	—	2	1.7	—
Allentown–Bethlehem–Easton, PA–NJ	4	6.0	—	11	21.4	—	9	18.4	—	6	10.3	—	3	2.5	—
Atlanta–Sandy Springs–Roswell, GA	344	71.5	4	506	128.8	3	192	49.4	13	150	36.9	7	70	11.5	9
Augusta–Richmond County, GA–SC	20	40.4	27	19	45.4	47	9	25.7	—	10	27.4	—	9	11.9	—
Austin–Round Rock, TX	66	39.1	29	110	59.8	32	55	34.1	31	28	20.9	38	20	10.0	13
Bakersfield, CA	23	26.9	53	33	44.8	49	18	30.8	38	12	22.9	33	8	9.1	—
Baltimore–Columbia–Towson, MD	91	41.9	23	142	71.1	20	59	35.4	27	49	26.2	26	54	15.3	3
Baton Rouge, LA	42	55.6	13	58	94.1	9	39	75.3	2	16	31.2	15	14	14.6	4
Birmingham–Hoover, AL	36	41.5	25	51	67.1	26	16	22.3	57	21	28.4	19	11	7.5	—
Boise City, ID	5	8.7	—	3	6.2	—	5	10.8	—	0	0.0	—	3	3.6	—
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	47	12.1	75	107	30.1	76	81	27.7	43	57	17.3	47	35	5.7	30
Boston Division	26	15.9	—	52	32.5	—	52	43.0	—	29	21.9	—	22	9.0	—
Cambridge Division	20	10.5	—	54	32.0	—	28	19.1	—	24	14.6	—	12	3.9	—
Bridgeport–Stamford–Norwalk, CT	10	12.7	—	23	42.4	58	9	15.6	—	13	18.6	44	11	9.0	—
Buffalo–Cheektowaga–Niagara Falls, NY	20	22.5	62	24	30.6	74	9	14.6	—	9	12.0	—	4	2.5	—
Cape Coral–Fort Myers, FL	17	38.2	31	26	65.7	27	12	32.5	37	11	25.9	—	10	7.0	—
Charleston–North Charleston, SC	22	36.9	33	42	70.3	22	8	16.5	—	13	27.1	21	9	9.7	—
Charlotte–Concord–Gastonia, NC–SC	91	46.9	18	128	76.6	13	46	27.6	44	29	16.6	50	32	11.4	10
Chattanooga, TN–GA	13	31.5	42	10	27.5	—	11	32.4	—	11	30.4	—	1	1.3	—
Chicago–Naperville–Elgin, IL–IN–WI	290	37.3	32	407	59.6	33	178	28.4	40	110	17.3	46	84	7.4	22
Chicago Division	252	43.7	—	363	65.9	—	161	33.0	—	98	20.3	—	76	8.9	—
Elgin Division	11	18.5	—	10	25.4	—	6	14.3	—	3	6.8	—	4	5.5	—
Gary Division	16	27.9	—	19	45.0	—	6	13.9	—	4	8.9	—	1	1.1	—
Lake County Division	11	13.3	—	15	29.8	—	5	9.3	—	5	7.9	—	3	2.8	—
Cincinnati, OH–KY–IN	28	15.7	73	65	45.2	48	28	21.3	60	20	13.8	52	15	5.4	32
Cleveland–Elyria, OH	79	49.9	15	61	48.2	44	18	15.5	64	15	11.1	57	14	4.7	35
Colorado Springs, CO	8	11.5	—	18	31.8	73	1	2.3	—	4	9.2	—	4	4.9	—
Columbia, SC	44	57.1	9	51	91.2	10	22	45.2	15	15	29.5	17	10	10.2	—
Columbus, OH	47	28.6	51	57	35.8	68	45	33.0	35	29	21.5	37	13	5.6	31
Dallas–Fort Worth–Arlington, TX	311	51.0	14	425	81.1	12	202	40.5	18	146	30.0	16	71	9.7	16
Dallas Division	227	56.0	—	333	94.7	—	158	46.5	—	113	34.7	—	52	11.1	—
Fort Worth Division	84	41.1	—	92	53.4	—	44	27.7	—	33	20.4	—	19	7.2	—
Dayton, OH	15	23.2	59	16	30.3	75	9	20.2	—	6	11.9	—	2	1.8	—
Deltona–Daytona Beach–Ormond Beach, FL	24	55.7	12	14	39.2	63	20	62.2	4	7	17.7	—	6	5.0	—
Denver–Aurora–Lakewood, CO	54	25.1	57	102	43.0	57	52	24.8	50	43	22.3	35	16	4.9	34

**Table 2a. Diagnoses of HIV infection among adult and adolescent males, by age and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)**

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
Des Moines–West Des Moines, IA	5	10.2	—	10	21.2	—	5	11.5	—	3	7.3	—	3	4.2	—
Detroit–Warren–Dearborn, MI	140	41.7	24	122	44.1	51	65	25.8	46	66	21.9	36	37	6.4	28
Detroit Division	93	65.9	—	80	69.0	—	41	41.1	—	45	39.0	—	25	11.5	—
Warren Division	47	24.1	—	42	26.2	—	24	15.7	—	21	11.3	—	12	3.3	—
Durham–Chapel Hill, NC	34	72.2	3	28	70.4	21	5	14.0	—	5	14.4	—	11	16.6	—
El Paso, TX	12	14.1	74	42	65.4	29	17	33.2	33	8	17.4	—	6	7.3	—
Fayetteville–Springdale–Rogers, AR	7	14.5	—	10	25.6	—	4	11.3	—	2	6.2	—	3	5.3	—
Fresno, CA	24	26.8	54	49	64.3	31	20	33.0	36	15	26.8	22	8	7.9	—
Grand Rapids–Wyoming, MI	11	11.9	—	14	18.9	90	8	12.7	—	4	6.0	—	2	1.6	—
Greensboro–High Point, NC	56	91.8	2	38	81.8	11	23	51.7	10	7	13.6	—	2	2.1	—
Greenville–Anderson–Mauldin, SC	24	32.9	39	28	49.4	42	9	16.9	—	10	17.2	—	6	5.2	—
Harrisburg–Carlisle, PA	12	27.7	52	20	52.0	40	12	35.1	29	4	10.5	—	1	1.2	—
Hartford–West Hartford–East Hartford, CT	10	9.6	—	20	25.8	84	7	10.1	—	10	11.9	—	7	4.2	—
Honolulu (Urban), HI	7	8.5	—	27	33.0	71	10	15.7	—	4	6.5	—	6	4.6	—
Houston–The Woodlands–Sugar Land, TX	282	49.1	17	491	95.3	8	171	35.8	26	146	33.6	10	69	10.0	14
Indianapolis–Carmel–Anderson, IN	47	29.3	48	74	52.9	38	28	21.4	58	26	19.7	41	10	4.3	—
Jackson, MS	28	58.4	8	51	129.4	2	20	55.6	6	6	17.1	—	7	10.5	—
Jacksonville, FL	43	38.3	30	80	74.8	15	51	56.6	5	42	43.2	4	24	12.6	6
Kansas City, MO–KS	43	26.7	55	62	41.8	59	35	25.5	47	25	18.1	45	10	3.9	—
Knoxville, TN	10	14.0	—	20	37.7	65	8	15.4	—	10	17.3	—	4	3.2	—
Lakeland–Winter Haven, FL	22	43.6	21	25	59.3	34	20	52.2	9	10	24.5	—	8	8.0	—
Lancaster, PA	3	7.0	—	9	25.7	—	7	23.4	—	6	17.9	—	2	2.7	—
Las Vegas–Henderson–Paradise, NV	77	46.7	19	169	104.9	6	74	49.5	12	58	39.2	6	16	6.1	29
Lexington–Fayette, KY	9	19.3	—	16	43.5	54	7	21.2	—	7	21.8	—	3	5.1	—
Little Rock–North Little Rock–Conway, AR	41	68.9	6	39	75.7	14	25	54.6	8	16	35.6	8	5	5.6	—
Los Angeles–Long Beach–Anaheim, CA	391	35.9	35	769	73.0	18	428	47.8	14	303	33.3	11	117	7.7	20
Anaheim Division	78	30.2	—	123	52.9	—	49	24.0	—	47	20.8	—	23	6.0	—
Los Angeles Division	313	37.7	—	646	78.7	—	379	54.9	—	256	37.4	—	94	8.3	—
Louisville/Jefferson County, KY–IN	34	35.0	36	61	69.8	23	35	43.0	17	22	25.4	28	8	4.8	—
Madison, WI	9	14.7	—	4	8.1	—	3	7.2	—	5	12.2	—	2	2.5	—
McAllen–Edinburg–Mission, TX	21	24.5	58	28	50.1	41	7	13.4	—	14	32.3	13	5	6.8	—
Memphis, TN–MS–AR	77	68.8	7	96	106.6	5	32	39.6	19	28	33.2	12	10	6.6	—
Miami–Fort Lauderdale–West Palm Beach, FL	303	70.1	5	588	142.2	1	418	106.7	1	294	68.6	1	191	23.2	1
Fort Lauderdale Division	103	74.8	—	169	131.4	—	127	103.2	—	103	75.3	—	64	25.1	—
Miami Division	165	83.8	—	356	180.2	—	260	138.6	—	153	77.1	—	91	27.4	—
West Palm Beach Division	35	35.8	—	63	72.0	—	31	38.2	—	38	40.7	—	36	15.2	—
Milwaukee–Waukesha–West Allis, WI	43	34.3	37	32	29.5	79	12	12.6	66	7	6.9	—	9	4.5	—
Minneapolis–St. Paul–Bloomington, MN–WI	45	16.3	72	60	22.9	88	36	15.5	65	32	13.1	54	19	4.4	36

Table 2a. Diagnoses of HIV infection among adult and adolescent males, by age and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
Modesto, CA	3	6.3	—	8	20.5	—	4	11.8	—	3	9.1	—	3	5.0	—
Nashville–Davidson–Murfreesboro–Franklin, TN	44	29.4	47	57	41.6	60	36	28.8	39	21	17.0	49	5	2.3	—
New Haven–Milford, CT	19	26.6	56	19	33.6	70	10	20.6	—	11	18.9	—	8	6.9	—
New Orleans–Metairie, LA	92	98.9	1	117	125.4	4	50	63.7	3	42	52.2	2	20	12.2	7
New York–Newark–Jersey City, NY–NJ–PA <sup>c</sup>	499	32.3	40	992	67.2	25	497	38.4	21	392	28.7	18	263	10.7	12
Nassau County Division	30	12.9	—	63	37.7	—	34	20.2	—	30	14.2	—	19	4.8	—
New York Division	402	37.2	—	807	71.2	—	405	43.0	—	303	32.4	—	211	12.5	—
Newark Division	63	31.5	—	116	76.6	—	55	34.3	—	57	30.4	—	31	9.7	—
North Port–Sarasota–Bradenton, FL	4	8.8	—	11	29.9	—	12	33.2	34	9	19.6	—	8	4.8	—
Ogden–Clearfield, UT	4	6.6	—	4	8.5	—	1	2.2	—	0	0.0	—	0	0.0	—
Oklahoma City, OK	26	22.3	63	42	40.4	62	31	35.2	28	14	17.2	48	6	3.8	—
Omaha–Council Bluffs, NE–IA	8	10.7	—	17	25.2	85	7	11.6	—	9	15.4	—	3	2.8	—
Orlando–Kissimmee–Sanford, FL	112	57.0	10	178	95.3	7	88	54.7	7	69	42.9	5	39	13.4	5
Oxnard–Thousand Oaks–Ventura, CA	8	11.2	—	7	12.1	—	13	24.9	49	8	13.8	—	4	3.7	—
Palm Bay–Melbourne–Titusville, FL	10	25.7	—	14	43.4	55	6	21.1	—	7	18.3	—	5	4.7	—
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	149	31.0	44	225	52.6	39	84	23.3	54	83	20.6	39	54	6.9	25
Camden Division	17	17.1	—	37	44.9	—	14	18.5	—	12	13.7	—	10	6.0	—
Montgomery Division	11	7.3	—	23	19.8	—	6	5.1	—	12	8.5	—	6	2.1	—
Philadelphia Division	111	64.1	—	137	76.6	—	57	46.1	—	51	40.9	—	30	12.7	—
Wilmington Division	10	17.4	—	28	55.3	—	7	16.3	—	8	16.1	—	8	8.5	—
Phoenix–Mesa–Scottsdale, AZ	117	30.3	46	150	44.1	52	110	36.1	25	74	25.2	30	42	7.3	23
Pittsburgh, PA	35	20.8	65	47	29.6	78	15	11.3	67	12	7.8	58	9	2.5	—
Portland–South Portland, ME	1	2.7	—	2	6.0	—	4	13.1	—	0	0.0	—	3	3.7	—
Portland–Vancouver–Hillsboro, OR–WA	21	11.9	76	48	25.9	83	42	23.8	53	21	12.9	55	15	5.0	33
Providence–Warwick, RI–MA	15	11.3	77	28	26.1	82	11	11.7	—	16	14.3	51	8	3.6	—
Provo–Orem, UT	3	3.8	—	4	9.1	—	2	5.2	—	0	0.0	—	2	5.0	—
Raleigh, NC	35	33.1	38	44	49.0	43	32	34.0	32	25	26.6	23	13	9.7	17
Richmond, VA	40	39.6	28	64	71.4	19	22	27.9	42	21	24.4	32	7	4.3	—
Riverside–San Bernardino–Ontario, CA	127	30.6	45	159	48.1	45	74	26.0	45	72	25.2	29	34	6.8	27
Rochester, NY	9	10.0	—	21	29.7	77	4	6.9	—	7	9.7	—	4	2.6	—
Sacramento–Roseville–Arden–Arcade, CA	41	21.8	64	70	43.0	56	40	27.9	41	33	22.5	34	22	7.6	21
St. Louis, MO–IL	91	42.3	22	71	37.7	66	36	21.4	59	37	20.2	40	16	4.2	37
Salt Lake City, UT	17	16.4	71	34	34.9	69	20	22.7	56	13	19.1	43	2	1.8	—
San Antonio–New Braunfels, TX	89	41.2	26	135	73.0	17	62	39.3	20	42	28.2	20	18	6.8	26
San Diego–Carlsbad–San Marcos, CA	93	31.4	43	164	57.9	37	83	37.7	24	56	26.6	24	44	11.4	11
San Francisco–Oakland–Hayward, CA <sup>c</sup>	92	28.7	50	227	59.1	35	129	38.2	23	115	34.7	9	58	9.8	15
Oakland Division	50	24.2	—	107	51.2	—	57	29.3	—	66	34.2	—	30	8.9	—
San Francisco Division	38	39.3	—	114	69.9	—	68	53.4	—	43	36.4	—	25	11.9	—



Table 2a. Diagnoses of HIV infection among adult and adolescent males, by age and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
San Jose–Sunnyvale–Santa Clara, CA	27	17.7	68	36	21.8	89	26	17.8	63	16	11.3	56	11	4.9	—
San Juan–Carolina–Caguas, PR	56	31.6	41	85	64.5	30	64	49.6	11	58	43.4	3	50	19.7	2
Santa Rosa, CA	2	5.5	—	13	38.4	64	8	25.9	—	3	9.1	—	2	2.7	—
Scranton–Wilkes-Barre–Hazleton, PA	2	4.8	—	7	19.6	—	7	22.2	—	3	7.8	—	3	3.5	—
Seattle–Tacoma–Bellevue, WA	48	17.1	69	78	24.3	86	49	18.1	62	35	13.2	53	33	7.3	24
Seattle Division	43	20.4	—	68	26.8	—	46	21.2	—	25	12.0	—	27	7.8	—
Tacoma Division	5	7.1	—	10	14.9	—	3	5.5	—	10	17.9	—	6	5.8	—
Spokane–Spokane Valley, WA	1	2.2	—	8	19.9	—	3	9.2	—	3	8.7	—	3	3.8	—
Springfield, MA	10	16.1	—	16	41.6	61	10	30.6	—	11	27.8	—	9	10.7	—
Stockton–Lodi, CA	5	7.5	—	15	28.8	80	6	12.9	—	12	25.8	27	5	6.3	—
Syracuse, NY	13	23.0	60	11	26.3	—	3	8.6	—	3	6.7	—	3	3.3	—
Tampa–St. Petersburg–Clearwater, FL	92	43.9	20	145	74.4	16	69	38.3	22	64	31.4	14	43	9.4	18
Toledo, OH	12	22.6	61	15	37.0	67	7	20.5	—	7	18.8	—	3	3.8	—
Tucson, AZ	17	18.2	67	31	47.7	46	14	24.7	51	10	17.6	—	5	3.4	—
Tulsa, OK	11	13.9	—	22	32.4	72	15	24.6	52	12	19.4	42	4	3.2	—
Virginia Beach–Norfolk–Newport News, VA–NC	78	49.5	16	90	65.5	28	26	25.3	48	28	26.6	25	19	9.3	19
Washington–Arlington–Alexandria, DC–VA–MD–WV	170	36.1	34	311	68.4	24	151	35.0	30	106	24.7	31	79	11.6	8
Silver Spring Division	19	19.5	—	34	41.7	—	20	23.5	—	21	23.3	—	16	10.0	—
Washington Division	151	40.4	—	277	74.2	—	131	37.9	—	85	25.0	—	63	12.1	—
Wichita, KS	5	9.1	—	11	24.8	—	4	10.3	—	8	20.6	—	4	4.9	—
Winston-Salem, NC	29	56.2	11	22	58.3	36	17	44.4	16	10	21.6	—	5	5.5	—
Worcester, MA–CT	6	7.6	—	14	23.3	87	13	23.3	55	11	15.8	—	3	2.4	—
Youngstown–Warren–Boardman, OH–PA	6	14.3	—	5	16.1	—	5	16.5	—	3	8.4	—	3	3.4	—
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>6,060</b>	<b>33.9</b>	<b>—</b>	<b>9,549</b>	<b>59.5</b>	<b>—</b>	<b>4,806</b>	<b>33.7</b>	<b>—</b>	<b>3,656</b>	<b>24.8</b>	<b>—</b>	<b>2,153</b>	<b>7.9</b>	<b>—</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>1,009</b>	<b>19.6</b>	<b>—</b>	<b>1,312</b>	<b>33.4</b>	<b>—</b>	<b>618</b>	<b>18.1</b>	<b>—</b>	<b>554</b>	<b>15.4</b>	<b>—</b>	<b>353</b>	<b>4.5</b>	<b>—</b>
<b>Nonmetropolitan areas</b>	<b>457</b>	<b>12.2</b>	<b>—</b>	<b>593</b>	<b>20.8</b>	<b>—</b>	<b>322</b>	<b>12.0</b>	<b>—</b>	<b>278</b>	<b>9.3</b>	<b>—</b>	<b>199</b>	<b>2.8</b>	<b>—</b>
<b>Total<sup>d</sup></b>	<b>7,607</b>	<b>28.4</b>	<b>—</b>	<b>11,569</b>	<b>50.7</b>	<b>—</b>	<b>5,796</b>	<b>28.5</b>	<b>—</b>	<b>4,529</b>	<b>21.2</b>	<b>—</b>	<b>2,735</b>	<b>6.5</b>	<b>—</b>

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

<sup>a</sup> Rates are per 100,000 population.

<sup>b</sup> Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Includes persons whose county of residence is unknown.

**Table 2b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico**

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>
Akron, OH	34	57.0	125	281.2	109	274.3	235	493.4	209	213.0
Albany–Schenectady–Troy, NY	35	44.7	118	210.9	154	298.7	467	760.5	463	384.7
Albuquerque, NM	52	71.6	203	310.7	256	455.8	493	854.7	446	380.3
Allentown–Bethlehem–Easton, PA–NJ	22	32.7	83	164.9	148	300.2	315	532.7	356	301.4
Atlanta–Sandy Springs–Roswell, GA	1,164	243.8	5,416	1,411.1	5,427	1,386.3	7,524	1,876.6	5,027	862.1
Augusta–Richmond County, GA–SC	96	193.1	247	602.2	228	652.5	430	1,166.9	425	572.7
Austin–Round Rock, TX	204	122.7	924	521.1	1,017	647.2	1,542	1,190.6	1,096	576.9
Bakersfield, CA	72	83.2	214	295.0	266	460.6	418	787.0	326	380.1
Baltimore–Columbia–Towson, MD	391	178.2	1,825	921.8	1,700	1,018.3	3,707	1,939.5	3,955	1,145.0
Baton Rouge, LA	207	271.4	648	1,060.9	658	1,284.2	892	1,722.4	738	786.8
Birmingham–Hoover, AL	146	166.6	555	733.7	573	788.2	913	1,228.8	732	509.5
Boise City, ID	4	7.0	29	61.2	46	100.7	98	228.0	86	107.1
Boston–Cambridge–Newton, MA–NH <sup>b</sup>	228	58.6	994	284.5	1,504	513.1	3,638	1,087.9	3,483	582.5
Boston Division	129	78.9	596	379.6	885	731.8	2,141	1,599.8	2,119	887.8
Cambridge Division	97	51.1	370	221.8	587	398.4	1,387	831.7	1,282	430.5
Bridgeport–Stamford–Norwalk, CT	44	56.0	180	331.9	262	446.6	531	749.9	671	559.9
Buffalo–Cheektowaga–Niagara Falls, NY	81	89.1	267	346.3	264	426.4	556	721.4	478	298.0
Cape Coral–Fort Myers, FL	54	122.7	141	370.2	232	639.1	500	1,197.7	464	341.7
Charleston–North Charleston, SC	90	150.7	345	589.0	311	660.6	544	1,144.1	534	599.6
Charlotte–Concord–Gastonia, NC–SC	284	148.0	1,110	688.9	1,060	635.1	1,715	1,003.7	1,258	467.1
Chattanooga, TN–GA	35	84.3	132	372.2	133	388.0	300	830.0	199	266.1
Chicago–Naperville–Elgin, IL–IN–WI	1,130	143.7	4,152	608.6	4,604	728.4	7,182	1,117.3	6,255	564.3
Chicago Division	1,033	176.5	3,797	689.7	4,248	863.8	6,639	1,359.7	5,751	685.3
Elgin Division	13	21.8	54	136.7	61	144.2	84	190.3	70	98.9
Gary Division	54	92.8	165	391.3	147	339.6	256	560.1	241	258.4
Lake County Division	30	36.1	136	272.2	148	270.7	203	313.8	193	183.2
Cincinnati, OH–KY–IN	154	86.2	568	400.1	522	395.8	977	665.1	759	282.2
Cleveland–Elyria, OH	238	148.1	645	517.1	657	558.0	1,279	920.6	1,109	379.8
Colorado Springs, CO	17	24.7	72	132.6	112	257.5	243	556.3	203	260.1
Columbia, SC	159	205.4	501	913.8	501	1,025.5	849	1,668.7	737	769.4
Columbus, OH	198	120.4	805	515.6	846	622.6	1,413	1,047.0	993	443.0
Dallas–Fort Worth–Arlington, TX	1,002	166.8	3,822	747.2	4,373	885.9	6,350	1,320.3	4,271	607.2
Dallas Division	746	187.3	3,115	906.3	3,527	1,048.2	5,072	1,582.9	3,305	735.4
Fort Worth Division	256	126.5	707	421.4	846	538.4	1,278	796.2	966	380.4
Dayton, OH	66	100.8	197	381.1	217	485.3	350	677.3	350	318.1
Deltona–Daytona Beach–Ormond Beach, FL	49	113.6	150	439.8	173	541.3	424	1,069.9	417	364.3
Denver–Aurora–Lakewood, CO	136	64.0	895	390.5	1,352	652.6	2,636	1,383.6	2,748	871.0

**Table 2b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>
Des Moines–West Des Moines, IA	18	37.5	89	191.9	137	322.1	186	452.9	183	265.4
Detroit–Warren–Dearborn, MI	503	146.5	1,501	561.9	1,280	496.3	2,189	718.6	1,874	330.9
Detroit Division	367	251.8	1,045	933.8	852	830.2	1,415	1,214.0	1,257	584.0
Warren Division	136	68.8	456	293.8	428	275.7	774	411.6	617	175.7
Durham–Chapel Hill, NC	87	186.0	247	628.8	258	720.1	468	1,362.8	466	727.0
El Paso, TX	76	89.6	311	499.2	385	757.1	548	1,187.0	438	545.5
Fayetteville–Springdale–Rogers, AR	12	25.3	45	118.8	94	271.3	211	667.4	113	208.2
Fresno, CA	59	64.6	242	324.0	281	470.1	402	712.7	373	378.6
Grand Rapids–Wyoming, MI	35	37.8	113	156.3	166	264.9	301	445.6	207	166.0
Greensboro–High Point, NC	112	183.0	331	722.5	362	798.6	537	1,043.3	426	448.8
Greenville–Anderson–Mauldin, SC	59	80.8	254	461.4	261	486.9	491	849.6	342	303.5
Harrisburg–Carlisle, PA	17	38.9	89	234.4	151	441.7	299	770.8	307	391.3
Hartford–West Hartford–East Hartford, CT	56	53.5	235	306.3	327	464.8	716	828.0	811	493.4
Honolulu (Urban), HI	21	25.0	189	234.4	236	371.7	466	750.7	510	396.7
Houston–The Woodlands–Sugar Land, TX	1,098	192.6	4,078	803.8	4,562	968.3	6,157	1,440.2	4,738	715.7
Indianapolis–Carmel–Anderson, IN	226	141.4	772	559.6	897	683.3	1,392	1,046.0	936	416.0
Jackson, MS	171	351.7	435	1,104.9	441	1,230.0	673	1,900.3	534	814.7
Jacksonville, FL	237	210.1	837	808.1	785	883.3	1,321	1,361.0	1,094	598.7
Kansas City, MO–KS	145	90.2	610	418.5	740	543.8	1,266	911.0	957	381.1
Knoxville, TN	29	40.5	87	167.2	187	358.3	315	543.7	219	179.8
Lakeland–Winter Haven, FL	48	95.8	205	508.1	268	717.0	456	1,135.6	449	464.3
Lancaster, PA	20	46.3	58	168.2	86	286.4	150	438.9	146	199.3
Las Vegas–Henderson–Paradise, NV	255	155.4	1,135	724.2	1,282	862.5	2,002	1,379.9	1,484	583.3
Lexington–Fayette, KY	25	53.9	161	446.9	207	625.1	286	892.9	210	371.7
Little Rock–North Little Rock–Conway, AR	100	166.2	332	647.0	315	684.6	491	1,088.6	373	426.1
Los Angeles–Long Beach–Anaheim, CA	1,375	123.3	7,359	710.0	10,054	1,115.6	16,433	1,803.5	12,948	873.8
Anaheim Division	171	65.0	780	340.9	1,142	552.5	1,803	798.6	1,512	404.2
Los Angeles Division	1,204	141.4	6,579	814.5	8,912	1,283.1	14,630	2,134.5	11,436	1,032.4
Louisville/Jefferson County, KY–IN	105	107.5	336	389.4	389	474.8	627	717.1	516	315.3
Madison, WI	24	40.0	94	193.0	110	266.7	181	439.5	176	228.4
McAllen–Edinburg–Mission, TX	53	62.3	194	353.3	249	480.8	263	622.5	159	223.2
Memphis, TN–MS–AR	297	260.8	1,018	1,142.5	978	1,190.4	1,289	1,513.7	937	629.0
Miami–Fort Lauderdale–West Palm Beach, FL	1,014	231.5	4,309	1,062.5	6,478	1,651.2	12,820	2,999.5	12,571	1,572.2
Fort Lauderdale Division	314	225.0	1,484	1,180.3	2,203	1,800.2	4,921	3,589.7	4,668	1,893.1
Miami Division	562	280.5	2,333	1,198.3	3,496	1,851.3	6,319	3,208.0	6,005	1,859.2
West Palm Beach Division	138	140.7	492	577.9	779	960.5	1,580	1,692.8	1,898	825.1
Milwaukee–Waukesha–West Allis, WI	119	94.0	428	393.7	430	450.8	801	770.0	619	313.5
Minneapolis–St. Paul–Bloomington, MN–WI	154	56.1	731	281.7	961	415.8	1,758	711.7	1,339	320.3

**Table 2b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>
Modesto, CA	11	22.8	57	149.8	104	310.3	148	447.0	132	226.1
Nashville–Davidson–Murfreesboro–Franklin, TN	154	103.8	574	432.5	644	520.6	1,113	910.6	760	369.0
New Haven–Milford, CT	76	105.7	214	381.6	297	602.0	653	1,091.3	828	727.5
New Orleans–Metairie, LA	304	321.5	1,023	1,100.2	1,114	1,434.5	1,589	1,939.8	1,482	930.1
New York–Newark–Jersey City, NY–NJ–PA <sup>b</sup>	2,860	182.8	12,782	876.6	15,624	1,201.7	29,909	2,169.0	33,996	1,409.1
Nassau County Division	147	62.8	516	311.5	631	369.9	1,244	576.7	1,400	359.7
New York Division	2,415	220.7	11,164	996.4	13,560	1,435.5	25,696	2,730.6	28,942	1,749.6
Newark Division	277	137.7	1,035	694.5	1,327	820.3	2,674	1,404.0	3,323	1,063.4
North Port–Sarasota–Bradenton, FL	28	61.9	139	390.5	181	505.7	475	1,040.9	551	344.1
Ogden–Clearfield, UT	4	6.7	53	115.1	63	142.3	100	288.7	71	114.0
Oklahoma City, OK	97	83.3	384	373.5	465	536.9	714	873.2	511	330.9
Omaha–Council Bluffs, NE–IA	14	18.9	59	87.3	124	208.3	144	244.5	124	119.3
Orlando–Kissimmee–Sanford, FL	341	173.7	1,331	738.1	1,525	970.8	2,626	1,655.0	2,134	764.6
Oxnard–Thousand Oaks–Ventura, CA	21	28.9	115	200.7	134	255.3	279	476.6	239	226.4
Palm Bay–Melbourne–Titusville, FL	29	74.0	111	358.9	129	458.9	336	866.0	358	350.7
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	682	140.3	2,700	639.8	2,762	764.5	5,565	1,354.0	5,606	733.5
Camden Division	56	55.4	306	377.1	306	401.1	696	774.0	719	444.3
Montgomery Division	26	17.3	117	101.2	177	150.0	394	272.9	424	152.9
Philadelphia Division	549	310.7	2,077	1,185.7	2,047	1,656.9	3,939	3,112.7	3,940	1,688.4
Wilmington Division	51	87.7	200	399.4	232	533.9	536	1,068.1	523	570.1
Phoenix–Mesa–Scottsdale, AZ	352	92.2	1,499	451.4	2,068	685.2	3,333	1,150.3	2,448	445.1
Pittsburgh, PA	121	70.6	435	276.8	393	293.7	857	540.5	777	216.0
Portland–South Portland, ME	8	21.1	32	98.1	98	317.8	242	628.2	249	312.3
Portland–Vancouver–Hillsboro, OR–WA	84	47.5	586	326.5	925	532.6	1,658	1,029.5	1,410	482.1
Providence–Warwick, RI–MA	51	37.8	267	252.6	388	409.9	820	720.8	795	367.2
Provo–Orem, UT	5	6.6	33	78.4	35	95.3	48	196.4	35	90.2
Raleigh, NC	115	111.0	467	533.7	579	618.5	887	970.7	613	479.0
Richmond, VA	186	183.7	594	675.5	493	621.5	925	1,068.6	918	586.0
Riverside–San Bernardino–Ontario, CA	232	55.2	857	266.0	966	343.3	2,146	750.4	2,420	498.1
Rochester, NY	74	80.5	262	373.0	260	446.7	658	888.2	725	482.7
Sacramento–Roseville–Arden–Arcade, CA	115	60.8	470	295.1	558	394.9	1,144	775.6	1,092	392.1
St. Louis, MO–IL	319	146.2	958	510.8	1,016	603.1	1,724	918.7	1,415	384.5
Salt Lake City, UT	43	41.9	233	241.1	362	421.8	485	723.7	463	421.0
San Antonio–New Braunfels, TX	296	138.0	1,092	606.1	1,063	690.7	1,659	1,127.0	1,169	458.5
San Diego–Carlsbad–San Marcos, CA	217	72.2	1,343	481.8	1,979	906.9	3,608	1,706.0	2,998	800.3
San Francisco–Oakland–Hayward, CA <sup>b</sup>	303	93.9	2,182	581.9	3,529	1,046.6	7,251	2,184.1	7,662	1,329.3
Oakland Division	152	73.0	799	392.9	1,052	545.9	2,047	1,060.3	2,107	642.7
San Francisco Division	143	146.8	1,326	831.7	2,381	1,858.2	4,953	4,185.0	5,243	2,540.6

**Table 2b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>
San Jose–Sunnyvale–Santa Clara, CA	56	36.6	330	205.2	546	371.9	902	633.4	770	348.7
San Juan–Carolina–Caguas, PR	174	94.1	689	512.9	1,238	930.5	2,233	1,645.8	2,135	847.8
Santa Rosa, CA	13	35.0	60	178.1	133	433.9	334	998.9	533	725.1
Scranton–Wilkes-Barre–Hazleton, PA	13	30.4	50	140.3	72	224.8	144	368.0	154	183.2
Seattle–Tacoma–Bellevue, WA	153	54.5	993	322.6	1,577	591.2	2,719	1,033.2	2,087	476.5
Seattle Division	120	57.1	824	337.8	1,349	632.2	2,361	1,138.7	1,806	534.8
Tacoma Division	33	46.8	169	264.5	228	427.2	358	641.5	281	280.1
Spokane–Spokane Valley, WA	11	24.4	55	142.1	106	328.5	177	511.8	152	199.2
Springfield, MA	47	75.2	138	363.6	218	663.7	480	1,186.6	469	570.4
Stockton–Lodi, CA	50	74.6	190	375.5	219	477.9	349	753.3	257	331.8
Syracuse, NY	44	76.7	136	326.0	131	369.3	286	622.0	253	281.1
Tampa–St. Petersburg–Clearwater, FL	350	166.8	1,178	626.7	1,547	868.5	2,961	1,466.0	2,794	634.3
Toledo, OH	37	68.3	89	223.1	135	391.9	242	642.9	203	258.1
Tucson, AZ	56	59.7	188	294.1	325	573.7	687	1,195.0	748	519.5
Tulsa, OK	56	70.7	261	390.9	306	502.3	519	833.7	360	297.1
Virginia Beach–Norfolk–Newport News, VA–NC	246	153.5	797	585.0	614	598.1	1,115	1,030.6	1,061	533.0
Washington–Arlington–Alexandria, DC–VA–MD–WV	581	123.5	2,439	536.6	2,809	655.4	4,618	1,074.5	4,052	615.0
Silver Spring Division	74	76.3	352	429.7	519	612.8	815	899.9	727	466.0
Washington Division	507	135.8	2,087	560.1	2,290	665.8	3,803	1,121.1	3,325	661.3
Wichita, KS	22	40.1	119	270.4	124	322.9	243	611.7	197	247.2
Winston-Salem, NC	58	112.4	173	471.0	221	563.4	393	850.6	373	421.2
Worcester, MA–CT	26	32.7	107	181.7	195	344.4	453	638.8	455	368.8
Youngstown–Warren–Boardman, OH–PA	26	60.9	76	246.4	86	278.9	201	548.7	175	199.8
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>22,103</b>	<b>123.1</b>	<b>91,108</b>	<b>578.3</b>	<b>109,542</b>	<b>769.3</b>	<b>192,168</b>	<b>1,301.1</b>	<b>174,452</b>	<b>660.9</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>3,338</b>	<b>64.4</b>	<b>10,939</b>	<b>282.4</b>	<b>12,941</b>	<b>379.4</b>	<b>23,952</b>	<b>658.9</b>	<b>21,292</b>	<b>275.7</b>
<b>Nonmetropolitan areas</b>	<b>1,563</b>	<b>41.2</b>	<b>5,594</b>	<b>198.3</b>	<b>7,869</b>	<b>291.3</b>	<b>13,808</b>	<b>451.7</b>	<b>12,045</b>	<b>171.1</b>
<b>Total<sup>c</sup></b>	<b>28,480</b>	<b>105.7</b>	<b>113,709</b>	<b>506.5</b>	<b>138,171</b>	<b>678.8</b>	<b>244,115</b>	<b>1,137.4</b>	<b>221,053</b>	<b>537.1</b>

Note. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

<sup>a</sup> Rates are per 100,000 population.

<sup>b</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>c</sup> Includes persons whose county of residence is unknown.

Table 3a. Diagnoses of HIV infection among adult and adolescent females, by age and metropolitan statistical area of residence, 2016—United States and Puerto Rico

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
Akron, OH	1	1.7	—	2	4.5	—	2	5.0	—	2	4.1	—	2	1.7	—
Albany–Schenectady–Troy, NY	0	0.0	—	1	1.8	—	4	7.6	—	3	4.8	—	0	0.0	—
Albuquerque, NM	0	0.0	—	4	6.2	—	0	0.0	—	1	1.7	—	0	0.0	—
Allentown–Bethlehem–Easton, PA–NJ	3	4.7	—	0	0.0	—	6	12.0	—	5	8.3	—	4	2.8	—
Atlanta–Sandy Springs–Roswell, GA	35	7.4	9	76	18.2	7	46	10.7	14	60	13.8	8	44	6.0	7
Augusta–Richmond County, GA–SC	3	6.6	—	4	9.4	—	5	13.7	—	6	15.1	—	7	7.6	—
Austin–Round Rock, TX	4	2.4	—	13	7.4	31	7	4.5	—	5	3.8	—	6	2.6	—
Bakersfield, CA	1	1.3	—	7	11.2	—	4	7.6	—	0	0.0	—	0	0.0	—
Baltimore–Columbia–Towson, MD	19	9.1	5	33	15.8	8	26	14.5	10	28	13.8	9	21	4.9	9
Baton Rouge, LA	14	18.7	1	25	41.3	1	13	24.8	4	12	22.5	1	12	10.4	1
Birmingham–Hoover, AL	3	3.5	—	9	11.2	—	10	13.2	—	7	8.9	—	3	1.6	—
Boise City, ID	1	1.8	—	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	15	3.9	18	40	11.3	21	21	6.9	27	22	6.3	20	21	2.8	15
Boston Division	6	3.6	—	22	13.5	—	10	8.0	—	13	9.3	—	11	3.7	—
Cambridge Division	9	4.9	—	17	10.2	—	11	7.2	—	9	5.1	—	10	2.7	—
Bridgeport–Stamford–Norwalk, CT	3	4.0	—	4	7.4	—	5	8.2	—	5	6.7	—	1	0.7	—
Buffalo–Cheektowaga–Niagara Falls, NY	4	4.6	—	12	15.7	10	6	9.5	—	1	1.3	—	2	1.0	—
Cape Coral–Fort Myers, FL	3	6.9	—	7	17.8	—	5	13.3	—	5	11.1	—	2	1.3	—
Charleston–North Charleston, SC	5	9.2	—	8	12.9	—	1	2.0	—	2	3.9	—	4	3.6	—
Charlotte–Concord–Gastonia, NC–SC	10	5.2	—	17	9.6	24	21	11.7	13	12	6.6	19	15	4.5	11
Chattanooga, TN–GA	1	2.5	—	5	13.4	—	5	14.3	—	1	2.6	—	0	0.0	—
Chicago–Naperville–Elgin, IL–IN–WI	46	6.1	12	53	7.8	29	46	7.2	25	40	6.1	22	30	2.2	18
Chicago Division	41	7.3	—	47	8.5	—	36	7.3	—	36	7.2	—	26	2.5	—
Elgin Division	0	0.0	—	2	5.2	—	2	4.8	—	1	2.3	—	1	1.2	—
Gary Division	3	5.4	—	3	7.0	—	5	11.1	—	1	2.1	—	2	1.8	—
Lake County Division	2	2.7	—	1	2.1	—	3	5.4	—	2	3.1	—	1	0.8	—
Cincinnati, OH–KY–IN	10	5.8	—	19	13.1	16	11	8.2	—	7	4.7	—	3	0.9	—
Cleveland–Elyria, OH	8	5.2	—	11	8.4	—	11	9.0	—	12	8.3	15	4	1.1	—
Colorado Springs, CO	0	0.0	—	1	1.9	—	2	4.6	—	3	6.6	—	0	0.0	—
Columbia, SC	4	5.5	—	7	12.2	—	6	11.5	—	5	9.0	—	3	2.5	—
Columbus, OH	9	5.7	—	14	8.7	26	10	7.3	—	10	7.3	—	4	1.5	—
Dallas–Fort Worth–Arlington, TX	29	4.9	15	59	10.9	22	53	10.2	16	36	7.2	17	33	3.9	13
Dallas Division	26	6.6	—	40	11.1	—	42	11.9	—	25	7.6	—	22	4.0	—
Fort Worth Division	3	1.5	—	19	10.7	—	11	6.6	—	11	6.6	—	11	3.6	—
Dayton, OH	4	6.4	—	8	15.2	—	2	4.3	—	1	1.9	—	2	1.5	—
Deltona–Daytona Beach–Ormond Beach, FL	2	5.0	—	4	11.5	—	7	21.0	—	3	7.1	—	5	3.6	—
Denver–Aurora–Lakewood, CO	9	4.4	—	8	3.5	—	5	2.5	—	8	4.2	—	8	2.2	—

Table 3a. Diagnoses of HIV infection among adult and adolescent females, by age and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
Des Moines–West Des Moines, IA	5	10.3	—	1	2.1	—	2	4.7	—	0	0.0	—	3	3.6	—
Detroit–Warren–Dearborn, MI	7	2.2	—	23	8.2	28	19	7.1	26	17	5.4	23	10	1.4	—
Detroit Division	2	1.4	—	20	16.5	—	15	13.6	—	12	9.9	—	4	1.5	—
Warren Division	5	2.7	—	3	1.9	—	4	2.5	—	5	2.6	—	6	1.4	—
Durham–Chapel Hill, NC	1	2.0	—	3	6.9	—	4	10.8	—	7	18.6	—	2	2.4	—
El Paso, TX	1	1.3	—	1	1.7	—	0	0.0	—	2	3.9	—	2	1.9	—
Fayetteville–Springdale–Rogers, AR	0	0.0	—	0	0.0	—	1	2.9	—	1	3.1	—	1	1.5	—
Fresno, CA	3	3.5	—	3	4.1	—	2	3.4	—	7	12.5	—	1	0.9	—
Grand Rapids–Wyoming, MI	1	1.1	—	3	4.0	—	5	8.0	—	1	1.5	—	0	0.0	—
Greensboro–High Point, NC	7	11.2	—	11	21.5	—	8	16.5	—	2	3.6	—	2	1.7	—
Greenville–Anderson–Mauldin, SC	2	2.8	—	8	13.8	—	4	7.2	—	2	3.3	—	3	2.2	—
Harrisburg–Carlisle, PA	1	2.4	—	4	10.8	—	4	11.9	—	3	7.7	—	0	0.0	—
Hartford–West Hartford–East Hartford, CT	1	1.0	—	4	5.4	—	2	2.8	—	8	8.9	—	3	1.5	—
Honolulu (Urban), HI	1	1.5	—	2	2.8	—	1	1.6	—	1	1.6	—	2	1.3	—
Houston–The Woodlands–Sugar Land, TX	36	6.6	10	95	18.7	6	86	17.9	6	58	13.1	10	35	4.5	10
Indianapolis–Carmel–Anderson, IN	6	3.8	—	11	7.5	—	14	10.4	15	8	5.9	—	11	4.0	—
Jackson, MS	7	14.5	—	9	21.2	—	7	18.2	—	6	15.5	—	4	4.7	—
Jacksonville, FL	13	12.1	3	23	21.3	4	24	25.3	3	21	20.3	3	6	2.6	—
Kansas City, MO–KS	4	2.6	—	10	6.7	—	11	8.0	—	11	7.8	—	3	1.0	—
Knoxville, TN	3	4.4	—	3	5.6	—	1	1.9	—	2	3.3	—	2	1.4	—
Lakeland–Winter Haven, FL	4	8.2	—	9	21.1	—	6	15.2	—	6	14.5	—	10	8.6	—
Lancaster, PA	2	4.7	—	0	0.0	—	4	13.0	—	0	0.0	—	1	1.1	—
Las Vegas–Henderson–Paradise, NV	12	7.6	8	23	14.4	14	13	8.8	19	14	9.8	13	5	1.7	—
Lexington–Fayette, KY	1	2.1	—	3	8.4	—	4	12.1	—	3	9.1	—	1	1.4	—
Little Rock–North Little Rock–Conway, AR	5	8.5	—	7	13.0	—	2	4.1	—	2	4.2	—	2	1.8	—
Los Angeles–Long Beach–Anaheim, CA	33	3.1	19	55	5.4	36	61	6.8	28	48	5.2	24	24	1.3	19
Anaheim Division	5	2.0	—	7	3.2	—	6	2.9	—	7	3.0	—	2	0.4	—
Los Angeles Division	28	3.5	—	48	6.1	—	55	7.9	—	41	5.9	—	22	1.6	—
Louisville/Jefferson County, KY–IN	5	5.4	—	14	15.8	9	9	10.9	—	4	4.5	—	0	0.0	—
Madison, WI	1	1.7	—	1	2.2	—	1	2.5	—	1	2.4	—	0	0.0	—
McAllen–Edinburg–Mission, TX	1	1.2	—	2	3.6	—	2	3.5	—	1	2.1	—	1	1.1	—
Memphis, TN–MS–AR	8	7.2	—	14	14.6	12	14	15.6	9	8	8.6	—	15	7.8	4
Miami–Fort Lauderdale–West Palm Beach, FL	50	12.0	4	144	35.3	2	114	28.4	2	98	22.1	2	85	8.4	3
Fort Lauderdale Division	19	14.3	—	54	41.2	—	40	30.8	—	33	23.2	—	24	8.0	—
Miami Division	27	14.2	—	64	33.3	—	50	26.6	—	50	24.6	—	40	9.4	—
West Palm Beach Division	4	4.3	—	26	30.6	—	24	28.8	—	15	15.1	—	21	7.3	—
Milwaukee–Waukesha–West Allis, WI	1	0.8	—	6	5.4	—	5	5.1	—	3	2.8	—	5	2.1	—
Minneapolis–St. Paul–Bloomington, MN–WI	14	5.3	13	15	5.8	35	20	8.7	20	5	2.0	—	3	0.6	—

**Table 3a. Diagnoses of HIV infection among adult and adolescent females, by age and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)**

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
Modesto, CA	0	0.0	—	4	10.3	—	1	3.0	—	3	8.8	—	0	0.0	—
Nashville–Davidson–Murfreesboro–Franklin, TN	6	4.1	—	7	4.9	—	7	5.5	—	9	7.0	—	2	0.8	—
New Haven–Milford, CT	3	4.3	—	2	3.5	—	6	11.6	—	2	3.2	—	4	2.8	—
New Orleans–Metairie, LA	13	14.3	2	28	28.0	3	24	29.2	1	15	17.4	5	8	4.1	—
New York–Newark–Jersey City, NY–NJ–PA <sup>c</sup>	71	4.7	16	171	11.4	19	182	13.5	12	176	12.1	11	149	4.9	8
Nassau County Division	4	1.8	—	12	7.5	—	10	5.8	—	7	3.1	—	8	1.7	—
New York Division	55	5.2	—	125	10.8	—	145	14.8	—	136	13.6	—	119	5.6	—
Newark Division	12	6.3	—	33	21.9	—	26	15.5	—	31	15.7	—	19	4.9	—
North Port–Sarasota–Bradenton, FL	2	4.7	—	0	0.0	—	2	5.3	—	3	6.0	—	4	2.0	—
Ogden–Clearfield, UT	0	0.0	—	0	0.0	—	1	2.2	—	0	0.0	—	0	0.0	—
Oklahoma City, OK	8	7.1	—	12	11.6	18	5	5.7	—	4	4.8	—	0	0.0	—
Omaha–Council Bluffs, NE–IA	0	0.0	—	3	4.5	—	3	5.0	—	2	3.4	—	1	0.8	—
Orlando–Kissimmee–Sanford, FL	16	8.2	7	35	19.0	5	23	13.7	11	30	17.8	4	30	8.7	2
Oxnard–Thousand Oaks–Ventura, CA	0	0.0	—	3	5.5	—	1	1.9	—	0	0.0	—	0	0.0	—
Palm Bay–Melbourne–Titusville, FL	2	5.6	—	9	28.5	—	1	3.3	—	2	4.8	—	1	0.8	—
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	24	5.2	14	63	14.5	13	36	9.5	18	41	9.5	14	33	3.4	14
Camden Division	5	5.4	—	10	12.5	—	3	3.8	—	3	3.2	—	4	2.0	—
Montgomery Division	1	0.7	—	6	5.3	—	2	1.7	—	1	0.7	—	3	0.9	—
Philadelphia Division	14	8.1	—	43	22.7	—	24	17.8	—	35	25.3	—	23	7.4	—
Wilmington Division	4	7.1	—	4	7.9	—	7	15.6	—	2	3.8	—	3	2.7	—
Phoenix–Mesa–Scottsdale, AZ	8	2.2	—	23	7.1	32	22	7.3	24	20	6.7	18	10	1.5	—
Pittsburgh, PA	5	3.1	—	9	5.9	—	7	5.3	—	3	1.9	—	3	0.7	—
Portland–South Portland, ME	1	2.7	—	3	9.0	—	4	12.7	—	1	2.5	—	1	1.0	—
Portland–Vancouver–Hillsboro, OR–WA	1	0.6	—	5	2.7	—	2	1.1	—	3	1.9	—	4	1.2	—
Providence–Warwick, RI–MA	3	2.3	—	7	6.6	—	3	3.1	—	7	5.9	—	7	2.6	—
Provo–Orem, UT	0	0.0	—	1	2.4	—	0	0.0	—	0	0.0	—	1	2.2	—
Raleigh, NC	5	4.8	—	14	14.9	11	5	5.0	—	8	8.2	—	6	3.7	—
Richmond, VA	7	7.1	—	4	4.3	—	7	8.5	—	9	9.7	—	6	3.0	—
Riverside–San Bernardino–Ontario, CA	8	2.0	—	11	3.5	—	10	3.4	—	11	3.8	—	4	0.7	—
Rochester, NY	1	1.1	—	4	5.7	—	2	3.3	—	4	5.2	—	0	0.0	—
Sacramento–Roseville–Arden–Arcade, CA	4	2.2	—	4	2.5	—	5	3.4	—	6	3.9	—	8	2.3	—
St. Louis, MO–IL	7	3.4	—	17	8.8	25	9	5.1	—	12	6.2	21	11	2.4	—
Salt Lake City, UT	2	2.0	—	4	4.2	—	6	7.1	—	3	4.5	—	1	0.8	—
San Antonio–New Braunfels, TX	2	1.0	—	19	10.7	23	11	6.8	—	8	5.2	—	3	1.0	—
San Diego–Carlsbad–San Marcos, CA	4	1.6	—	17	6.5	33	16	7.5	23	7	3.3	—	12	2.7	16
San Francisco–Oakland–Hayward, CA <sup>c</sup>	14	4.5	17	29	7.8	30	28	8.4	21	27	8.2	16	18	2.6	17
Oakland Division	10	5.0	—	15	7.2	—	18	9.0	—	23	11.6	—	8	2.0	—
San Francisco Division	4	4.2	—	13	8.5	—	9	7.6	—	4	3.7	—	7	2.9	—



**Table 3a. Diagnoses of HIV infection among adult and adolescent females, by age and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)**

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
San Jose–Sunnyvale–Santa Clara, CA	2	1.4	—	5	3.4	—	8	5.7	—	2	1.5	—	2	0.8	—
San Juan–Carolina–Caguas, PR	7	4.0	—	12	8.4	27	23	15.8	8	23	15.0	7	22	7.0	5
Santa Rosa, CA	1	2.8	—	1	3.1	—	0	0.0	—	1	2.9	—	0	0.0	—
Scranton–Wilkes-Barre–Hazleton, PA	1	2.5	—	1	3.0	—	2	6.4	—	1	2.6	—	0	0.0	—
Seattle–Tacoma–Bellevue, WA	3	1.1	—	18	5.9	34	20	7.6	22	11	4.3	—	11	2.1	—
Seattle Division	3	1.5	—	14	5.9	—	17	8.2	—	8	4.0	—	9	2.3	—
Tacoma Division	0	0.0	—	4	6.2	—	3	5.4	—	3	5.3	—	2	1.7	—
Spokane–Spokane Valley, WA	3	7.0	—	1	2.6	—	2	6.2	—	2	5.7	—	0	0.0	—
Springfield, MA	0	0.0	—	2	5.1	—	3	8.3	—	3	6.9	—	1	1.0	—
Stockton–Lodi, CA	0	0.0	—	4	8.1	—	1	2.1	—	7	15.2	—	0	0.0	—
Syracuse, NY	1	1.7	—	0	0.0	—	5	13.5	—	0	0.0	—	0	0.0	—
Tampa–St. Petersburg–Clearwater, FL	17	8.3	6	23	11.4	20	19	10.1	17	23	10.8	12	22	4.1	12
Toledo, OH	0	0.0	—	1	2.5	—	0	0.0	—	1	2.5	—	1	1.1	—
Tucson, AZ	0	0.0	—	4	6.7	—	0	0.0	—	3	5.1	—	2	1.1	—
Tulsa, OK	0	0.0	—	3	4.4	—	4	6.4	—	2	3.2	—	2	1.4	—
Virginia Beach–Norfolk–Newport News, VA–NC	11	8.0	—	16	12.2	17	18	17.2	7	6	5.2	—	7	2.8	—
Washington–Arlington–Alexandria, DC–VA–MD–WV	29	6.3	11	66	14.1	15	90	20.2	5	73	16.2	6	54	6.7	6
Silver Spring Division	5	5.3	—	16	19.0	—	25	27.8	—	25	25.5	—	13	6.7	—
Washington Division	24	6.5	—	50	13.1	—	65	18.3	—	48	13.7	—	41	6.7	—
Wichita, KS	0	0.0	—	3	6.8	—	0	0.0	—	4	10.2	—	0	0.0	—
Winston-Salem, NC	2	3.9	—	6	14.7	—	4	9.7	—	2	4.1	—	2	1.8	—
Worcester, MA–CT	2	2.6	—	10	17.3	—	7	12.2	—	5	7.1	—	0	0.0	—
Youngstown–Warren–Boardman, OH–PA	2	5.1	—	2	6.8	—	0	0.0	—	1	2.7	—	1	0.9	—
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>780</b>	<b>4.5</b>	<b>—</b>	<b>1,644</b>	<b>10.3</b>	<b>—</b>	<b>1,425</b>	<b>9.8</b>	<b>—</b>	<b>1,238</b>	<b>8.1</b>	<b>—</b>	<b>932</b>	<b>2.9</b>	<b>—</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>155</b>	<b>3.2</b>	<b>—</b>	<b>304</b>	<b>8.1</b>	<b>—</b>	<b>250</b>	<b>7.4</b>	<b>—</b>	<b>181</b>	<b>4.9</b>	<b>—</b>	<b>156</b>	<b>1.7</b>	<b>—</b>
<b>Nonmetropolitan areas</b>	<b>68</b>	<b>2.0</b>	<b>—</b>	<b>152</b>	<b>5.9</b>	<b>—</b>	<b>102</b>	<b>4.0</b>	<b>—</b>	<b>109</b>	<b>3.7</b>	<b>—</b>	<b>60</b>	<b>0.8</b>	<b>—</b>
<b>Total<sup>d</sup></b>	<b>1,014</b>	<b>4.0</b>	<b>—</b>	<b>2,115</b>	<b>9.5</b>	<b>—</b>	<b>1,791</b>	<b>8.7</b>	<b>—</b>	<b>1,540</b>	<b>7.0</b>	<b>—</b>	<b>1,158</b>	<b>2.3</b>	<b>—</b>

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

<sup>a</sup> Rates are per 100,000 population.

<sup>b</sup> Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Includes persons whose county of residence is unknown.

**Table 3b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico**

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>
Akron, OH	7	11.7	18	41.2	35	85.3	62	124.0	50	43.0
Albany–Schenectady–Troy, NY	25	33.3	50	90.6	116	218.6	212	331.6	197	139.0
Albuquerque, NM	4	5.8	21	32.9	44	78.5	42	70.2	51	36.9
Allentown–Bethlehem–Easton, PA–NJ	16	25.1	45	91.5	106	210.7	201	328.5	148	105.8
Atlanta–Sandy Springs–Roswell, GA	237	50.8	969	236.5	1,705	397.4	2,076	486.8	1,618	228.8
Augusta–Richmond County, GA–SC	39	84.8	89	213.6	143	394.7	248	616.4	233	260.7
Austin–Round Rock, TX	28	17.4	124	72.7	217	144.2	273	214.0	190	87.3
Bakersfield, CA	13	16.6	35	57.1	58	111.4	64	126.3	52	55.9
Baltimore–Columbia–Towson, MD	179	84.3	687	331.7	1,267	705.4	2,224	1,075.1	1,810	427.1
Baton Rouge, LA	82	108.7	410	685.4	580	1,113.9	439	818.7	306	272.3
Birmingham–Hoover, AL	26	30.1	125	155.9	307	400.9	308	389.7	233	130.7
Boise City, ID	2	3.7	3	6.5	17	38.2	15	35.1	16	17.9
Boston–Cambridge–Newton, MA–NH <sup>b</sup>	122	31.6	345	98.2	777	255.1	1,370	387.6	1,145	158.7
Boston Division	65	38.9	195	121.2	407	323.0	718	508.8	644	220.4
Cambridge Division	56	30.6	147	88.4	363	237.0	627	353.6	483	133.9
Bridgeport–Stamford–Norwalk, CT	25	33.4	74	136.8	163	264.1	317	417.1	321	224.1
Buffalo–Cheektowaga–Niagara Falls, NY	21	23.7	94	124.4	202	316.5	240	294.6	155	79.3
Cape Coral–Fort Myers, FL	16	37.5	90	238.2	164	443.9	190	430.4	166	109.8
Charleston–North Charleston, SC	33	60.3	82	135.5	111	228.6	226	444.3	200	187.5
Charlotte–Concord–Gastonia, NC–SC	65	34.4	262	153.0	514	287.6	764	427.0	585	180.3
Chattanooga, TN–GA	7	17.3	37	102.0	65	185.6	75	198.3	65	71.5
Chicago–Naperville–Elgin, IL–IN–WI	287	37.8	830	121.6	1,420	220.1	1,774	266.3	1,516	113.8
Chicago Division	262	45.7	748	135.3	1,247	248.7	1,590	313.7	1,377	134.6
Elgin Division	1	1.7	16	41.7	27	64.2	31	70.4	17	21.2
Gary Division	10	17.9	37	85.8	84	184.9	84	173.6	63	57.2
Lake County Division	14	19.1	29	60.4	62	109.9	69	103.2	59	49.4
Cincinnati, OH–KY–IN	55	32.0	139	97.2	211	156.3	220	145.0	164	51.6
Cleveland–Elyria, OH	34	21.9	131	101.9	246	199.3	370	249.1	267	74.9
Colorado Springs, CO	9	15.7	15	29.9	37	86.8	54	118.8	30	33.5
Columbia, SC	25	34.5	94	167.0	265	507.7	394	709.1	318	274.1
Columbus, OH	46	29.1	187	118.8	287	210.7	292	214.0	203	76.3
Dallas–Fort Worth–Arlington, TX	228	39.1	934	177.1	1,594	309.7	1,460	298.3	1,001	121.6
Dallas Division	180	46.6	706	199.5	1,200	343.3	1,094	337.7	728	137.6
Fort Worth Division	48	24.4	228	131.4	394	238.7	366	221.2	273	92.9
Dayton, OH	11	17.3	45	86.7	80	171.2	112	206.9	50	37.3
Deltona–Daytona Beach–Ormond Beach, FL	19	47.1	71	213.9	128	389.6	179	423.2	138	103.7
Denver–Aurora–Lakewood, CO	30	14.8	127	57.3	253	127.1	342	180.2	264	73.1

**Table 3b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>
Des Moines–West Des Moines, IA	3	6.3	21	45.2	77	183.0	30	72.6	27	33.1
Detroit–Warren–Dearborn, MI	91	27.6	319	117.4	522	190.2	666	208.8	541	79.4
Detroit Division	66	45.9	248	210.2	378	334.6	491	399.9	420	157.0
Warren Division	25	13.4	71	46.2	144	89.2	175	89.2	121	29.3
Durham–Chapel Hill, NC	13	26.6	59	137.8	145	390.4	209	564.2	168	210.0
El Paso, TX	13	16.7	33	56.5	73	136.2	66	127.9	78	76.6
Fayetteville–Springdale–Rogers, AR	6	13.2	16	43.1	20	58.4	42	134.5	31	49.5
Fresno, CA	14	16.0	35	49.3	68	115.8	89	157.9	86	75.8
Grand Rapids–Wyoming, MI	18	19.9	48	66.5	78	125.0	66	96.6	38	26.6
Greensboro–High Point, NC	24	38.2	101	199.7	198	400.9	250	458.0	174	150.2
Greenville–Anderson–Mauldin, SC	9	12.6	67	118.3	108	194.9	168	276.9	102	75.9
Harrisburg–Carlisle, PA	18	42.7	27	73.6	92	272.0	97	245.3	99	106.2
Hartford–West Hartford–East Hartford, CT	32	32.4	71	96.0	212	291.2	377	411.2	376	190.2
Honolulu (Urban), HI	8	11.5	19	26.4	53	87.3	69	112.0	58	38.4
Houston–The Woodlands–Sugar Land, TX	311	57.1	1,239	247.9	2,197	463.9	1,855	426.1	1,342	178.4
Indianapolis–Carmel–Anderson, IN	52	33.2	202	140.7	283	211.2	302	219.8	193	71.8
Jackson, MS	54	110.6	154	362.2	295	763.9	336	861.5	225	271.6
Jacksonville, FL	69	63.9	379	360.9	626	669.3	692	669.8	511	235.1
Kansas City, MO–KS	24	15.5	98	67.0	217	158.0	210	147.5	157	52.6
Knoxville, TN	10	14.7	37	70.0	61	114.9	63	104.3	61	42.5
Lakeland–Winter Haven, FL	29	60.0	104	255.5	170	438.9	245	601.4	171	152.9
Lancaster, PA	6	14.2	19	54.9	42	136.2	106	300.2	74	86.3
Las Vegas–Henderson–Paradise, NV	43	27.2	177	114.0	285	195.5	384	275.2	345	123.3
Lexington–Fayette, KY	7	15.1	27	76.4	52	157.2	44	134.0	31	45.5
Little Rock–North Little Rock–Conway, AR	35	59.4	66	122.7	113	233.5	126	261.2	94	88.7
Los Angeles–Long Beach–Anaheim, CA	246	22.8	786	78.7	1,445	158.7	2,038	219.0	1,718	97.3
Anaheim Division	21	8.3	68	31.2	185	87.1	243	105.0	213	49.0
Los Angeles Division	225	27.3	718	92.0	1,260	180.5	1,795	256.7	1,505	113.1
Louisville/Jefferson County, KY–IN	20	21.2	75	85.8	124	149.2	134	148.8	100	50.8
Madison, WI	2	3.4	18	39.8	31	77.2	30	71.5	30	34.1
McAllen–Edinburg–Mission, TX	11	13.1	41	73.8	65	115.4	56	120.2	34	39.4
Memphis, TN–MS–AR	77	68.6	377	396.0	650	717.6	600	638.8	385	205.7
Miami–Fort Lauderdale–West Palm Beach, FL	509	120.6	1,779	442.8	3,405	847.4	4,652	1,047.8	4,535	459.1
Fort Lauderdale Division	178	132.9	626	485.9	1,280	991.1	1,605	1,128.7	1,407	480.3
Miami Division	238	122.5	823	432.3	1,437	757.9	2,125	1,048.5	2,278	548.4
West Palm Beach Division	93	99.1	330	400.0	688	828.4	922	930.2	850	304.2
Milwaukee–Waukesha–West Allis, WI	23	18.6	82	73.6	161	163.6	219	201.3	156	66.5
Minneapolis–St. Paul–Bloomington, MN–WI	61	23.0	297	115.5	433	190.4	439	176.6	301	62.9

**Table 3b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>
Modesto, CA	4	8.7	11	29.3	23	68.8	41	120.1	30	44.0
Nashville–Davidson–Murfreesboro–Franklin, TN	24	16.4	119	85.6	254	200.3	310	243.0	209	85.7
New Haven–Milford, CT	20	28.4	78	136.8	193	366.0	434	678.0	385	275.4
New Orleans–Metairie, LA	79	85.0	358	361.4	563	692.8	542	622.2	353	186.3
New York–Newark–Jersey City, NY–NJ–PA <sup>b</sup>	1,343	88.0	3,621	244.1	7,188	529.9	14,177	964.9	14,833	493.6
Nassau County Division	68	30.5	175	110.3	325	184.5	580	255.6	685	147.3
New York Division	1,120	103.8	2,996	259.4	5,925	599.9	11,685	1,157.8	12,260	583.8
Newark Division	147	76.9	421	281.5	900	529.9	1,820	905.7	1,797	476.9
North Port–Sarasota–Bradenton, FL	16	37.5	65	180.4	123	327.9	182	366.6	139	73.6
Ogden–Clearfield, UT	4	7.3	3	6.5	14	32.4	23	66.4	13	19.1
Oklahoma City, OK	17	15.2	75	73.5	130	150.7	139	165.6	82	45.0
Omaha–Council Bluffs, NE–IA	3	4.2	16	24.0	35	59.5	47	79.6	18	14.9
Orlando–Kissimmee–Sanford, FL	94	48.6	341	191.6	683	416.5	945	571.1	793	238.4
Oxnard–Thousand Oaks–Ventura, CA	5	7.2	14	26.2	26	48.8	43	71.7	44	36.2
Palm Bay–Melbourne–Titusville, FL	14	39.2	58	189.9	104	349.6	157	374.7	139	118.7
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	224	47.5	849	197.7	1,571	412.6	2,680	608.0	2,078	221.1
Camden Division	22	23.6	93	117.5	157	194.6	330	343.0	284	144.6
Montgomery Division	7	4.8	44	38.8	77	64.0	131	86.6	119	36.6
Philadelphia Division	166	93.9	630	337.2	1,172	871.3	1,941	1,390.3	1,424	460.6
Wilmington Division	29	51.1	82	164.1	165	364.5	278	517.5	251	230.4
Phoenix–Mesa–Scottsdale, AZ	73	20.2	226	71.6	444	149.0	479	164.4	374	58.9
Pittsburgh, PA	23	14.0	75	49.5	149	111.5	215	129.7	180	41.2
Portland–South Portland, ME	6	16.2	15	46.3	52	163.4	50	123.6	39	41.4
Portland–Vancouver–Hillsboro, OR–WA	12	7.0	71	39.5	154	90.2	187	116.4	139	41.2
Providence–Warwick, RI–MA	20	15.2	88	84.4	198	201.0	395	327.5	295	112.2
Provo–Orem, UT	1	1.4	6	15.0	8	22.4	8	33.3	3	6.9
Raleigh, NC	33	32.8	101	110.0	246	248.3	294	309.1	239	154.7
Richmond, VA	41	41.4	129	142.2	244	294.5	385	412.6	309	160.5
Riverside–San Bernardino–Ontario, CA	44	11.1	115	36.9	245	85.0	345	119.6	261	47.4
Rochester, NY	18	20.1	59	84.9	151	244.1	331	421.1	315	177.8
Sacramento–Roseville–Arden–Arcade, CA	20	10.9	89	56.2	141	97.6	208	134.9	226	68.1
St. Louis, MO–IL	64	30.2	216	111.8	441	248.8	399	200.4	214	48.1
Salt Lake City, UT	7	7.2	39	41.5	102	124.6	75	114.9	56	45.5
San Antonio–New Braunfels, TX	52	25.9	165	94.8	230	145.7	260	169.5	208	68.4
San Diego–Carlsbad–San Marcos, CA	41	16.0	157	61.2	287	134.7	341	159.9	324	74.2
San Francisco–Oakland–Hayward, CA <sup>b</sup>	60	19.1	216	59.2	450	134.7	777	235.8	811	120.4
Oakland Division	35	17.4	115	56.1	262	132.1	428	214.9	422	108.7
San Francisco Division	19	19.7	94	63.1	175	146.9	321	294.2	364	155.0

**Table 3b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>	No.	Rate <sup>a</sup>
San Jose–Sunnyvale–Santa Clara, CA	12	8.5	52	36.1	89	63.0	119	86.2	119	47.5
San Juan–Carolina–Caguas, PR	69	38.2	269	185.4	563	379.0	922	591.2	923	295.5
Santa Rosa, CA	5	14.0	13	40.8	22	72.8	54	154.4	39	44.4
Scranton–Wilkes-Barre–Hazleton, PA	11	26.8	34	103.6	45	142.0	60	153.4	42	41.3
Seattle–Tacoma–Bellevue, WA	43	16.3	187	63.5	336	130.1	356	138.1	286	57.2
Seattle Division	34	17.0	147	63.4	271	132.7	274	136.2	221	57.5
Tacoma Division	9	14.0	40	63.9	65	120.6	82	145.1	65	56.5
Spokane–Spokane Valley, WA	9	21.1	11	29.4	14	44.2	24	67.3	19	22.1
Springfield, MA	20	30.5	56	144.0	144	395.6	284	643.4	227	227.5
Stockton–Lodi, CA	6	9.6	27	55.7	44	94.5	81	176.2	65	72.8
Syracuse, NY	9	15.5	37	88.8	75	200.4	142	293.9	95	90.8
Tampa–St. Petersburg–Clearwater, FL	109	53.2	407	207.9	693	371.7	960	455.3	846	161.6
Toledo, OH	12	22.7	31	77.6	81	225.5	91	227.7	38	40.6
Tucson, AZ	14	15.5	45	75.7	73	128.2	105	175.8	109	64.4
Tulsa, OK	21	27.6	53	78.2	104	167.6	74	116.7	40	27.9
Virginia Beach–Norfolk–Newport News, VA–NC	51	36.2	225	172.7	362	345.5	468	395.9	396	162.7
Washington–Arlington–Alexandria, DC–VA–MD–WV	200	43.5	723	154.2	1,788	402.6	2,052	455.7	1,642	209.6
Silver Spring Division	21	22.7	190	223.8	456	507.7	465	471.0	359	189.9
Washington Division	179	48.7	533	138.8	1,332	375.9	1,587	451.4	1,283	215.9
Wichita, KS	8	15.6	27	61.2	42	109.6	50	124.6	30	32.9
Winston-Salem, NC	12	23.3	53	132.4	130	309.0	203	413.5	154	144.0
Worcester, MA–CT	14	18.5	59	103.5	171	292.3	249	345.7	202	142.6
Youngstown–Warren–Boardman, OH–PA	9	22.5	25	84.9	42	137.6	57	152.1	60	56.9
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>6,525</b>	<b>37.7</b>	<b>22,615</b>	<b>143.9</b>	<b>42,680</b>	<b>292.7</b>	<b>60,023</b>	<b>391.6</b>	<b>52,174</b>	<b>165.9</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>976</b>	<b>19.9</b>	<b>3,635</b>	<b>98.0</b>	<b>6,549</b>	<b>192.6</b>	<b>7,903</b>	<b>211.4</b>	<b>6,314</b>	<b>70.4</b>
<b>Nonmetropolitan areas</b>	<b>504</b>	<b>14.5</b>	<b>1,910</b>	<b>74.1</b>	<b>3,277</b>	<b>127.4</b>	<b>4,005</b>	<b>132.8</b>	<b>3,311</b>	<b>42.1</b>
<b>Total<sup>c</sup></b>	<b>8,442</b>	<b>32.9</b>	<b>29,713</b>	<b>135.0</b>	<b>55,730</b>	<b>271.1</b>	<b>76,378</b>	<b>345.9</b>	<b>65,633</b>	<b>135.9</b>

Note. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

<sup>a</sup> Rates are per 100,000 population.

<sup>b</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>c</sup> Includes persons whose county of residence is unknown.

Table 4a. Diagnoses of HIV infection among adult and adolescent males, by race/ethnicity and metropolitan statistical area of residence, 2016—United States

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino <sup>a</sup>			White		
	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>
Akron, OH	0	0.0	—	0	0.0	—	26	81.4	38	6	118.6	—	19	8.0	76
Albany–Schenectady–Troy, NY	0	0.0	—	1	6.6	—	17	62.6	64	8	47.9	—	14	4.6	92
Albuquerque, NM	4	21.4	—	0	0.0	—	2	20.3	—	44	25.6	53	14	8.8	67
Allentown–Bethlehem–Easton, PA–NJ	0	0.0	—	0	0.0	—	7	41.3	—	11	21.7	—	14	5.3	89
Atlanta–Sandy Springs–Roswell, GA	2	41.8	—	13	9.5	16	922	129.4	3	107	46.7	20	179	15.4	19
Augusta–Richmond County, GA–SC	0	0.0	—	0	0.0	—	54	68.9	55	2	15.2	—	11	8.0	—
Austin–Round Rock, TX	0	0.0	—	3	6.3	—	50	83.7	34	114	44.4	24	103	22.0	8
Bakersfield, CA	0	0.0	—	0	0.0	—	20	95.9	22	54	29.9	47	17	12.8	32
Baltimore–Columbia–Towson, MD	0	0.0	—	5	8.0	—	270	89.3	26	31	52.2	11	74	10.9	49
Baton Rouge, LA	0	0.0	—	0	0.0	—	129	114.8	9	11	81.9	—	28	14.0	28
Birmingham–Hoover, AL	0	0.0	—	2	30.9	—	79	64.2	62	10	54.1	—	38	12.6	34
Boise City, ID	0	0.0	—	0	0.0	—	2	63.2	—	4	11.5	—	9	3.9	—
Boston–Cambridge–Newton, MA–NH <sup>d</sup>	1	33.0	—	15	9.8	14	91	63.0	63	77	38.5	32	138	9.5	61
Boston Division	1	66.1	—	10	16.4	—	66	65.9	—	40	44.8	—	62	11.1	—
Cambridge Division	0	0.0	—	5	5.7	—	25	58.9	—	36	33.9	—	69	9.5	—
Bridgeport–Stamford–Norwalk, CT	0	0.0	—	1	5.0	—	25	64.2	61	22	30.4	46	18	7.3	82
Buffalo–Cheektowaga–Niagara Falls, NY	0	0.0	—	1	7.1	—	30	59.4	65	11	55.1	—	19	5.1	91
Cape Coral–Fort Myers, FL	0	0.0	—	1	23.9	—	18	82.0	36	32	55.1	8	25	11.5	43
Charleston–North Charleston, SC	0	0.0	—	0	0.0	—	62	83.6	35	5	31.4	—	23	11.1	47
Charlotte–Concord–Gastonia, NC–SC	0	0.0	—	6	16.9	—	203	99.7	20	35	38.9	31	76	11.9	39
Chattanooga, TN–GA	0	0.0	—	1	28.5	—	21	74.4	45	3	33.1	—	20	11.1	46
Chicago–Naperville–Elgin, IL–IN–WI	5	99.2	—	27	10.7	12	543	92.5	24	257	31.4	43	217	10.1	56
Chicago Division	4	114.9	—	26	12.0	—	491	96.9	—	223	34.8	—	187	12.0	—
Elgin Division	0	0.0	—	0	0.0	—	11	80.2	—	15	21.7	—	8	4.9	—
Gary Division	1	194.6	—	0	0.0	—	28	64.5	—	6	14.0	—	11	5.8	—
Lake County Division	0	0.0	—	1	4.6	—	13	55.9	—	13	19.8	—	11	4.5	—
Cincinnati, OH–KY–IN	0	0.0	—	2	9.5	—	75	75.5	44	5	21.1	—	70	9.8	60
Cleveland–Elyria, OH	0	0.0	—	0	0.0	—	126	84.2	33	6	13.8	—	50	8.2	72
Colorado Springs, CO	0	0.0	—	1	15.1	—	3	15.7	—	10	23.1	—	20	9.3	63
Columbia, SC	0	0.0	—	0	0.0	—	103	99.4	21	13	74.0	4	22	11.2	45
Columbus, OH	0	0.0	—	5	15.0	—	89	75.5	43	13	43.8	25	76	12.1	38
Dallas–Fort Worth–Arlington, TX	4	35.6	—	22	11.7	11	468	113.2	13	335	43.2	26	286	20.1	11
Dallas Division	2	28.8	—	15	10.4	—	352	120.6	—	267	49.8	—	215	24.2	—
Fort Worth Division	2	46.7	—	7	16.0	—	116	95.4	—	68	28.5	—	71	13.2	—
Dayton, OH	0	0.0	—	1	14.2	—	21	44.5	72	3	37.4	—	21	8.2	71
Deltona–Daytona Beach–Ormond Beach, FL	0	0.0	—	0	0.0	—	29	113.8	10	12	38.0	34	29	14.3	26
Denver–Aurora–Lakewood, CO	3	52.2	—	2	4.4	—	30	45.8	71	107	42.9	28	120	15.2	20
Des Moines–West Des Moines, IA	0	0.0	—	2	19.8	—	6	46.9	—	2	12.0	—	15	7.2	83

**Table 4a. Diagnoses of HIV infection among adult and adolescent males, by race/ethnicity and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino <sup>a</sup>			White		
	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>
Detroit–Warren–Dearborn, MI	0	0.0	—	7	9.6	—	278	78.7	41	25	36.2	37	112	9.2	64
Detroit Division	0	0.0	—	4	17.9	—	221	88.4	—	16	42.8	—	40	11.0	—
Warren Division	0	0.0	—	3	5.9	—	57	55.3	—	9	28.4	—	72	8.5	—
Durham–Chapel Hill, NC	1	134.3	—	1	8.8	—	58	102.7	19	7	29.8	—	15	11.7	42
El Paso, TX	0	0.0	—	0	0.0	—	2	15.3	—	80	31.0	44	1	2.0	—
Fayetteville–Springdale–Rogers, AR	0	0.0	—	0	0.0	—	3	55.8	—	6	19.5	—	16	10.0	57
Fresno, CA	1	42.3	—	4	10.3	—	9	48.8	—	69	35.6	38	31	25.0	4
Grand Rapids–Wyoming, MI	1	66.7	—	3	28.6	—	10	37.3	—	5	14.1	—	18	5.2	90
Greensboro–High Point, NC	0	0.0	—	0	0.0	—	102	136.3	1	10	44.5	—	11	5.9	—
Greenville–Anderson–Mauldin, SC	0	0.0	—	0	0.0	—	48	86.9	27	9	39.7	—	19	7.1	84
Harrisburg–Carlisle, PA	0	0.0	—	0	0.0	—	12	52.6	68	12	94.6	1	23	12.4	36
Hartford–West Hartford–East Hartford, CT	0	0.0	—	0	0.0	—	21	40.2	75	19	28.7	49	14	4.0	94
Honolulu (Urban), HI	0	0.0	—	13	7.6	17	10	75.3	—	7	19.6	—	13	14.1	27
Houston–The Woodlands–Sugar Land, TX	1	15.3	—	27	12.9	8	463	107.3	15	449	47.0	19	191	18.1	16
Indianapolis–Carmel–Anderson, IN	2	120.4	—	5	21.7	—	91	81.6	37	24	50.4	15	60	10.0	59
Jackson, MS	0	0.0	—	0	0.0	—	96	91.5	25	2	34.7	—	13	11.8	41
Jacksonville, FL	0	0.0	—	4	17.9	—	136	117.4	8	25	51.6	12	73	18.3	15
Kansas City, MO–KS	0	0.0	—	1	4.4	—	49	49.9	69	30	43.2	27	91	14.4	24
Knoxville, TN	1	93.4	—	1	18.4	—	14	70.8	52	1	8.6	—	35	11.1	48
Lakeland–Winter Haven, FL	0	0.0	—	1	21.2	—	42	113.3	11	18	33.2	41	23	13.4	31
Lancaster, PA	0	0.0	—	2	43.7	—	4	50.9	—	5	24.8	—	15	8.3	70
Las Vegas–Henderson–Paradise, NV	4	101.9	—	16	19.5	2	118	124.8	4	134	52.7	10	114	26.9	2
Lexington–Fayette, KY	0	0.0	—	1	16.8	—	15	67.7	57	6	50.3	—	20	12.3	37
Little Rock–North Little Rock–Conway, AR	1	79.5	—	0	0.0	—	73	118.6	7	11	76.3	—	40	19.5	13
Los Angeles–Long Beach–Anaheim, CA	6	53.6	—	118	13.8	4	415	118.7	6	988	41.9	29	420	23.6	6
Anaheim Division	2	72.5	—	38	14.9	—	15	65.2	—	158	37.5	—	98	17.1	—
Los Angeles Division	4	47.4	—	80	13.4	—	400	122.4	—	830	42.8	—	322	26.6	—
Louisville/Jefferson County, KY–IN	0	0.0	—	0	0.0	—	59	85.5	29	19	84.8	2	80	19.5	12
Madison, WI	0	0.0	—	1	7.5	—	12	104.9	16	2	14.2	—	8	3.5	—
McAllen–Edinburg–Mission, TX	0	0.0	—	0	0.0	—	1	52.8	—	71	25.4	54	3	11.9	—
Memphis, TN–MS–AR	0	0.0	—	1	9.4	—	215	93.5	23	7	26.5	—	18	7.3	80
Miami–Fort Lauderdale–West Palm Beach, FL	2	54.7	—	14	23.1	1	565	120.5	5	923	84.1	3	281	33.6	1
Fort Lauderdale Division	1	61.8	—	7	25.2	—	225	113.0	—	175	79.8	—	153	47.3	—
Miami Division	0	0.0	—	6	34.6	—	234	137.5	—	702	93.0	—	80	49.2	—
West Palm Beach Division	1	96.6	—	1	6.5	—	106	106.3	—	46	37.2	—	48	13.7	—
Milwaukee–Waukesha–West Allis, WI	1	37.6	—	1	4.4	—	67	74.1	46	14	22.6	59	15	3.4	95
Minneapolis–St. Paul–Bloomington, MN–WI	1	12.2	—	10	11.1	—	74	68.9	56	18	23.6	58	83	7.3	81
Modesto, CA	0	0.0	—	2	18.0	—	1	16.7	—	10	10.8	—	7	7.3	—
Nashville–Davidson–Murfreesboro–Franklin, TN	0	0.0	—	2	10.3	—	74	69.0	54	11	22.6	—	76	13.6	30

Table 4a. Diagnoses of HIV infection among adult and adolescent males, by race/ethnicity and metropolitan statistical area of residence, 2016—United States (cont)

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino <sup>a</sup>			White		
	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>
New Haven–Milford, CT	0	0.0	—	0	0.0	—	27	65.3	60	18	31.9	42	19	8.1	74
New Orleans–Metairie, LA	0	0.0	—	1	6.7	—	216	133.2	2	32	69.0	5	71	25.6	3
New York–Newark–Jersey City, NY–NJ–PA <sup>d</sup>	2	14.2	—	111	12.1	10	899	73.7	48	1,025	53.6	9	446	11.2	44
Nassau County Division	0	0.0	—	4	5.3	—	31	30.1	—	74	36.6	—	48	6.1	—
New York Division	2	18.6	—	100	13.2	—	709	77.1	—	843	56.4	—	348	13.8	—
Newark Division	0	0.0	—	6	7.9	—	153	83.4	—	103	52.5	—	47	8.5	—
North Port–Sarasota–Bradenton, FL	0	0.0	—	1	18.9	—	15	80.0	39	4	10.7	—	24	9.0	65
Ogden–Clearfield, UT	0	0.0	—	1	26.3	—	1	28.2	—	1	3.3	—	5	2.4	—
Oklahoma City, OK	6	29.1	—	3	16.8	—	36	65.4	59	17	26.2	52	51	13.8	29
Omaha–Council Bluffs, NE–IA	1	60.7	—	0	0.0	—	10	37.9	—	10	29.1	—	23	7.9	78
Orlando–Kissimmee–Sanford, FL	1	40.9	—	7	16.4	—	152	104.0	18	188	66.7	7	121	23.8	5
Oxnard–Thousand Oaks–Ventura, CA	0	0.0	—	2	8.4	—	0	0.0	—	18	12.9	61	20	11.8	40
Palm Bay–Melbourne–Titusville, FL	0	0.0	—	1	19.7	—	16	72.7	49	5	22.9	—	19	10.0	58
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	2	50.8	—	14	9.8	13	344	73.9	47	105	49.7	17	121	7.6	79
Camden Division	0	0.0	—	1	4.1	—	42	53.6	—	19	36.4	—	24	6.9	—
Montgomery Division	0	0.0	—	1	2.2	—	17	32.3	—	7	16.2	—	32	4.9	—
Philadelphia Division	2	126.5	—	10	17.1	—	246	88.7	—	74	81.0	—	50	12.6	—
Wilmington Division	0	0.0	—	2	14.9	—	39	67.9	—	5	20.3	—	15	7.7	—
Phoenix–Mesa–Scottsdale, AZ	19	54.8	1	11	15.7	—	84	84.7	32	200	37.3	35	177	15.8	18
Pittsburgh, PA	0	0.0	—	3	13.3	—	52	69.4	53	11	70.1	—	49	5.7	88
Portland–South Portland, ME	0	0.0	—	0	0.0	—	4	97.5	—	1	26.0	—	5	2.4	—
Portland–Vancouver–Hillsboro, OR–WA	1	13.9	—	7	11.1	—	8	26.9	—	30	27.7	50	96	12.6	33
Providence–Warwick, RI–MA	0	0.0	—	2	10.4	—	13	37.8	77	19	25.3	55	43	8.2	73
Provo–Orem, UT	0	0.0	—	1	27.4	—	0	0.0	—	5	20.3	—	5	2.6	—
Raleigh, NC	0	0.0	—	0	0.0	—	82	84.8	31	33	66.9	6	34	10.2	54
Richmond, VA	0	0.0	—	3	15.0	—	104	71.1	51	15	50.9	14	27	8.7	68
Riverside–San Bernardino–Ontario, CA	4	47.8	—	16	13.6	6	69	52.9	67	230	26.3	51	140	21.5	9
Rochester, NY	0	0.0	—	0	0.0	—	19	42.3	73	10	34.9	—	14	4.0	93
Sacramento–Roseville–Arden–Arcade, CA	1	19.4	—	15	12.6	9	37	56.9	66	66	35.4	39	77	15.0	21
St. Louis, MO–IL	0	0.0	—	2	7.2	—	161	86.7	28	7	21.6	—	73	8.4	69
Salt Lake City, UT	0	0.0	—	4	21.2	—	9	111.3	—	23	29.6	48	50	14.4	25
San Antonio–New Braunfels, TX	1	37.3	—	4	17.9	—	33	49.8	70	238	46.5	21	64	18.0	17
San Diego–Carlsbad–San Marcos, CA	2	30.6	—	21	13.6	5	52	71.2	50	209	49.0	18	147	21.2	10
San Francisco–Oakland–Hayward, CA <sup>d</sup>	1	20.9	—	84	17.1	3	112	78.8	40	205	50.2	16	197	23.3	7
Oakland Division	0	0.0	—	26	9.6	—	79	71.9	—	109	42.3	—	84	18.5	—
San Francisco Division	1	69.5	—	57	26.7	—	29	101.6	—	91	68.0	—	102	32.6	—
San Jose–Sunnyvale–Santa Clara, CA	0	0.0	—	21	7.3	18	11	52.4	—	50	24.0	57	31	10.6	50
San Juan–Carolina–Caguas, PR <sup>e</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Santa Rosa, CA	0	0.0	—	0	0.0	—	1	27.7	—	13	24.8	56	14	10.1	55



Table 4a. Diagnoses of HIV infection among adult and adolescent males, by race/ethnicity and metropolitan statistical area of residence, 2016—United States (cont)

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino <sup>a</sup>			White		
	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>
Scranton–Wilkes-Barre–Hazleton, PA	0	0.0	—	0	0.0	—	2	23.4	—	6	33.7	—	12	6.0	87
Seattle–Tacoma–Bellevue, WA	4	30.3	—	27	13.3	7	39	40.7	74	50	35.1	40	109	10.2	53
Seattle Division	2	21.8	—	26	14.2	—	30	43.4	—	44	40.5	—	96	11.7	—
Tacoma Division	2	49.5	—	1	5.1	—	9	33.8	—	6	17.8	—	13	5.3	—
Spokane–Spokane Valley, WA	0	0.0	—	0	0.0	—	3	65.3	—	0	0.0	—	14	7.0	85
Springfield, MA	0	0.0	—	2	25.4	—	18	111.1	14	17	38.4	33	19	10.3	52
Stockton–Lodi, CA	0	0.0	—	4	9.3	—	9	42.9	—	18	15.7	60	11	10.7	—
Syracuse, NY	0	0.0	—	1	13.3	—	9	46.2	—	6	61.8	—	14	6.2	86
Tampa–St. Petersburg–Clearwater, FL	0	0.0	—	9	22.9	—	137	104.0	17	102	46.4	22	157	18.9	14
Toledo, OH	0	0.0	—	0	0.0	—	22	67.3	58	5	34.0	—	15	7.9	77
Tucson, AZ	2	21.2	—	3	26.0	—	8	50.7	—	43	30.5	45	21	8.9	66
Tulsa, OK	1	3.2	—	0	0.0	—	12	39.7	76	11	32.1	—	39	14.5	22
Virginia Beach–Norfolk–Newport News, VA–NC	0	0.0	—	2	7.7	—	154	77.1	42	21	46.2	23	60	14.4	23
Washington–Arlington–Alexandria, DC–VA–MD–WV	1	18.1	—	24	9.7	15	507	85.4	30	137	37.1	36	127	10.6	51
Silver Spring Division	0	0.0	—	1	1.5	—	59	74.4	—	27	31.7	—	16	5.9	—
Washington Division	1	21.8	—	23	12.8	—	448	87.1	—	110	38.7	—	111	12.0	—
Wichita, KS	0	0.0	—	0	0.0	—	7	37.9	—	1	3.4	—	24	12.5	35
Winston-Salem, NC	0	0.0	—	0	0.0	—	49	113.2	12	12	51.0	13	18	9.5	62
Worcester, MA–CT	1	123.5	—	0	0.0	—	5	30.6	—	16	40.6	30	25	8.0	75
Youngstown–Warren–Boardman, OH–PA	0	0.0	—	0	0.0	—	11	48.3	—	1	13.1	—	9	4.7	—
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>91</b>	<b>24.6</b>	<b>—</b>	<b>753</b>	<b>11.9</b>	<b>—</b>	<b>10,217</b>	<b>88.0</b>	<b>—</b>	<b>7,601</b>	<b>43.0</b>	<b>—</b>	<b>6,541</b>	<b>12.7</b>	<b>—</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>38</b>	<b>19.5</b>	<b>—</b>	<b>47</b>	<b>7.8</b>	<b>—</b>	<b>1,556</b>	<b>66.1</b>	<b>—</b>	<b>647</b>	<b>22.1</b>	<b>—</b>	<b>1,353</b>	<b>7.9</b>	<b>—</b>
<b>Nonmetropolitan areas</b>	<b>61</b>	<b>16.2</b>	<b>—</b>	<b>9</b>	<b>4.9</b>	<b>—</b>	<b>722</b>	<b>45.0</b>	<b>—</b>	<b>267</b>	<b>17.2</b>	<b>—</b>	<b>718</b>	<b>4.7</b>	<b>—</b>
<b>Total<sup>f</sup></b>	<b>191</b>	<b>20.1</b>	<b>—</b>	<b>811</b>	<b>11.4</b>	<b>—</b>	<b>12,681</b>	<b>81.5</b>	<b>—</b>	<b>8,561</b>	<b>38.7</b>	<b>—</b>	<b>8,686</b>	<b>10.3</b>	<b>—</b>

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

Data for Native Hawaiians/other Pacific Islanders are not presented due to small population denominators (i.e., less than 100). However, data are summarized in Commentary.

<sup>a</sup> Hispanics/Latinos can be of any race.

<sup>b</sup> Rates are per 100,000 population.

<sup>c</sup> Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

<sup>d</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>e</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>f</sup> Includes persons whose county of residence is unknown.

**Table 4b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2015—United States**

MSA of residence	American Indian/ Alaska Native		Asian <sup>a</sup>		Black/African American		Hispanic/Latino <sup>b</sup>		White	
	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>
Akron, OH	0	0.0	4	50.0	269	846.4	25	507.7	384	160.0
Albany–Schenectady–Troy, NY	0	0.0	7	48.2	314	1,175.3	227	1,414.9	522	172.1
Albuquerque, NM	70	384.0	8	110.7	87	887.4	705	418.0	534	334.5
Allentown–Bethlehem–Easton, PA–NJ	0	0.0	8	82.3	143	876.4	355	733.0	374	140.9
Atlanta–Sandy Springs–Roswell, GA	9	191.9	130	100.1	15,935	2,294.1	1,834	822.8	5,320	460.9
Augusta–Richmond County, GA–SC	0	0.0	3	71.7	989	1,269.4	56	446.3	325	236.4
Austin–Round Rock, TX	1	40.4	55	123.4	780	1,358.6	1,629	659.8	2,144	469.4
Bakersfield, CA	2	84.2	17	107.9	213	1,024.7	645	364.6	393	292.8
Baltimore–Columbia–Towson, MD	6	210.7	57	94.5	8,369	2,787.0	576	1,000.0	1,789	262.7
Baton Rouge, LA	2	219.1	10	138.9	2,450	2,202.4	62	472.9	574	288.7
Birmingham–Hoover, AL	3	233.8	3	47.8	1,738	1,420.2	82	447.2	937	310.5
Boise City, ID	4	220.3	4	81.6	10	335.0	40	120.6	200	88.9
Boston–Cambridge–Newton, MA–NH <sup>d</sup>	10	331.0	246	167.1	2,476	1,750.1	2,246	1,161.1	4,668	321.4
Boston Division	8	522.7	125	212.0	1,695	1,725.7	1,284	1,481.6	2,635	473.1
Cambridge Division	2	170.1	119	141.1	768	1,852.3	941	917.8	1,824	251.1
Bridgeport–Stamford–Norwalk, CT	0	0.0	23	117.0	492	1,279.2	591	837.2	541	217.2
Buffalo–Cheektowaga–Niagara Falls, NY	0	0.0	21	154.9	558	1,106.1	292	1,505.4	546	145.5
Cape Coral–Fort Myers, FL	0	0.0	6	149.3	396	1,868.2	256	465.7	705	332.0
Charleston–North Charleston, SC	2	157.6	4	75.8	1,103	1,508.4	101	657.3	567	280.1
Charlotte–Concord–Gastonia, NC–SC	8	231.0	23	69.0	3,222	1,628.0	428	495.3	1,497	238.7
Chattanooga, TN–GA	1	169.2	4	115.2	278	990.9	54	627.9	444	248.3
Chicago–Naperville–Elgin, IL–IN–WI	18	352.7	301	122.2	10,014	1,700.5	5,013	622.2	6,608	305.5
Chicago Division	18	506.0	279	131.4	9,347	1,838.4	4,588	725.8	5,942	379.5
Elgin Division	0	0.0	11	118.7	58	425.7	94	139.4	109	66.7
Gary Division	0	0.0	2	52.6	401	918.1	118	281.5	312	164.5
Lake County Division	0	0.0	9	43.0	208	898.0	213	331.7	245	100.4
Cincinnati, OH–KY–IN	2	147.8	18	90.0	1,324	1,349.3	116	505.9	1,423	199.2
Cleveland–Elyria, OH	1	75.9	13	68.8	1,992	1,329.7	386	915.1	1,344	220.0
Colorado Springs, CO	2	104.0	6	95.3	92	497.5	109	262.5	419	198.3
Columbia, SC	0	0.0	6	88.6	1,957	1,919.3	116	676.3	603	307.3
Columbus, OH	4	228.6	26	82.7	1,410	1,225.8	214	747.4	2,355	377.0
Dallas–Fort Worth–Arlington, TX	11	99.8	238	134.3	6,792	1,699.7	4,775	636.3	7,113	503.1
Dallas Division	10	147.0	168	124.0	5,407	1,913.7	3,853	740.2	5,623	639.4
Fort Worth Division	1	23.7	70	167.5	1,385	1,183.1	922	401.0	1,490	278.8
Dayton, OH	0	0.0	8	118.7	529	1,125.9	40	520.2	562	219.7
Deltona–Daytona Beach–Ormond Beach, FL	2	252.7	9	191.7	388	1,550.7	188	635.2	587	293.5
Denver–Aurora–Lakewood, CO	27	473.8	63	146.2	963	1,511.2	1,672	689.7	4,844	621.9
Des Moines–West Des Moines, IA	0	0.0	19	203.7	82	664.8	59	368.5	418	203.3

**Table 4b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	American Indian/ Alaska Native		Asian <sup>a</sup>		Black/African American		Hispanic/Latino <sup>b</sup>		White	
	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>
Detroit–Warren–Dearborn, MI	9	168.1	38	54.9	4,792	1,354.4	312	463.6	1,961	161.2
Detroit Division	7	285.9	16	75.2	3,822	1,514.2	174	474.4	779	212.0
Warren Division	2	68.8	22	45.9	970	956.6	138	450.7	1,182	139.2
Durham–Chapel Hill, NC	3	410.0	10	91.7	927	1,656.2	162	697.6	364	288.0
El Paso, TX	0	0.0	2	57.6	84	656.5	1,523	599.6	134	266.3
Fayetteville–Springdale–Rogers, AR	2	73.1	6	100.3	30	594.6	66	224.2	356	227.2
Fresno, CA	4	167.4	42	111.3	172	929.9	717	375.7	394	314.5
Grand Rapids–Wyoming, MI	2	136.2	12	119.1	208	792.3	134	390.4	438	128.2
Greensboro–High Point, NC	2	148.6	14	137.1	1,106	1,495.0	109	499.6	473	252.2
Greenville–Anderson–Mauldin, SC	2	248.2	4	68.0	736	1,348.8	110	503.3	530	199.7
Harrisburg–Carlisle, PA	0	0.0	6	69.3	280	1,245.5	100	831.7	437	234.8
Hartford–West Hartford–East Hartford, CT	0	0.0	23	97.2	592	1,143.0	784	1,213.8	713	200.5
Honolulu (Urban), HI	5	547.4	244	143.0	102	790.7	152	434.3	635	676.0
Houston–The Woodlands–Sugar Land, TX	12	184.1	260	129.2	8,504	2,016.1	6,175	665.5	5,052	480.3
Indianapolis–Carmel–Anderson, IN	2	119.5	80	374.2	1,609	1,465.8	336	728.0	2,042	341.8
Jackson, MS	1	285.7	1	39.5	1,776	1,701.4	58	1,010.4	328	297.1
Jacksonville, FL	0	0.0	29	135.1	2,441	2,155.8	287	627.6	1,364	347.5
Kansas City, MO–KS	5	139.2	28	128.0	1,184	1,217.7	418	620.6	1,934	308.4
Knoxville, TN	0	0.0	5	94.9	143	733.3	41	363.6	615	196.0
Lakeland–Winter Haven, FL	3	366.7	6	133.0	582	1,613.6	275	542.4	524	309.1
Lancaster, PA	0	0.0	4	90.3	55	721.7	155	795.5	230	127.0
Las Vegas–Henderson–Paradise, NV	21	546.6	206	261.8	1,330	1,462.0	1,720	699.4	2,648	628.4
Lexington–Fayette, KY	0	0.0	3	52.7	204	936.2	115	984.5	543	336.0
Little Rock–North Little Rock–Conway, AR	0	0.0	4	87.5	739	1,217.4	81	574.1	692	336.4
Los Angeles–Long Beach–Anaheim, CA	59	527.0	1,705	203.3	7,799	2,226.6	21,315	909.9	15,657	873.8
Anaheim Division	7	254.1	317	127.4	206	911.0	2,482	594.3	2,271	394.4
Los Angeles Division	52	616.0	1,388	235.2	7,593	2,317.4	18,833	978.4	13,386	1,100.8
Louisville/Jefferson County, KY–IN	0	0.0	11	115.9	614	902.8	98	450.9	1,172	286.2
Madison, WI	2	240.6	11	87.2	125	1,119.9	73	539.8	356	157.4
McAllen–Edinburg–Mission, TX	0	0.0	0	0.0	31	1,647.4	834	304.4	45	176.0
Memphis, TN–MS–AR	1	87.5	6	56.7	3,521	1,541.3	138	527.0	650	262.2
Miami–Fort Lauderdale–West Palm Beach, FL	11	306.0	164	279.6	13,725	2,965.1	13,187	1,226.2	9,273	1,104.8
Fort Lauderdale Division	7	443.5	85	317.2	4,802	2,464.6	2,684	1,268.2	5,595	1,713.4
Miami Division	2	203.7	57	331.5	6,391	3,740.9	9,661	1,298.4	2,304	1,406.9
West Palm Beach Division	2	193.4	22	149.9	2,532	2,604.7	842	703.1	1,374	393.6
Milwaukee–Waukesha–West Allis, WI	5	188.6	29	134.1	1,143	1,264.1	349	577.3	817	182.0
Minneapolis–St. Paul–Bloomington, MN–WI	40	492.0	82	94.8	1,371	1,325.1	505	684.2	2,790	246.1
Modesto, CA	1	78.8	11	101.0	35	602.6	182	202.3	215	221.3
Nashville–Davidson–Murfreesboro–Franklin, TN	1	48.2	17	92.3	1,359	1,294.3	248	530.4	1,534	278.5

**Table 4b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	American Indian/ Alaska Native		Asian <sup>a</sup>		Black/African American		Hispanic/Latino <sup>b</sup>		White	
	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>
New Haven–Milford, CT	2	314.2	18	130.3	714	1,752.8	617	1,118.8	665	281.7
New Orleans–Metairie, LA	6	300.9	33	223.4	3,088	1,919.4	375	822.1	1,901	684.3
New York–Newark–Jersey City, NY–NJ–PA <sup>d</sup>	40	285.5	1,490	166.3	33,333	2,741.7	33,989	1,797.0	19,678	492.0
Nassau County Division	0	0.0	36	49.0	775	762.4	1,219	615.3	1,332	168.9
New York Division	38	355.6	1,403	188.6	27,662	3,015.7	30,390	2,051.9	16,901	668.4
Newark Division	2	154.3	45	61.7	4,691	2,574.6	2,091	1,086.3	1,220	219.7
North Port–Sarasota–Bradenton, FL	1	158.5	5	100.4	326	1,777.8	220	619.7	799	307.5
Ogden–Clearfield, UT	5	390.0	7	191.0	20	597.5	64	220.3	186	90.8
Oklahoma City, OK	59	290.3	22	128.0	549	1,013.6	210	336.0	1,235	335.5
Omaha–Council Bluffs, NE–IA	4	253.9	5	53.8	105	402.3	60	181.1	282	97.8
Orlando–Kissimmee–Sanford, FL	7	292.3	53	129.6	2,653	1,870.2	2,088	781.2	2,958	585.8
Oxnard–Thousand Oaks–Ventura, CA	0	0.0	19	81.4	33	501.1	378	274.1	341	200.2
Palm Bay–Melbourne–Titusville, FL	1	115.1	6	122.9	291	1,355.8	103	497.6	531	283.5
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	18	455.8	154	111.2	9,543	2,058.9	2,714	1,322.0	4,191	261.7
Camden Division	0	0.0	25	106.0	838	1,077.7	457	900.8	642	183.5
Montgomery Division	0	0.0	9	20.1	261	503.8	158	376.5	639	97.2
Philadelphia Division	18	1,119.8	118	206.7	7,558	2,724.8	1,943	2,189.7	2,473	620.4
Wilmington Division	0	0.0	2	15.2	886	1,566.2	156	654.0	437	223.8
Phoenix–Mesa–Scottsdale, AZ	227	669.7	113	169.7	1,023	1,075.7	2,955	568.5	5,086	459.5
Pittsburgh, PA	0	0.0	14	64.4	863	1,154.8	110	727.9	1,431	167.1
Portland–South Portland, ME	0	0.0	1	29.9	75	1,863.9	41	1,118.2	492	239.9
Portland–Vancouver–Hillsboro, OR–WA	31	436.4	87	145.3	294	1,027.3	602	579.1	3,478	462.1
Providence–Warwick, RI–MA	4	170.9	28	148.9	422	1,254.5	569	787.5	1,234	233.4
Provo–Orem, UT	0	0.0	3	88.8	7	523.1	52	222.9	90	49.0
Raleigh, NC	7	429.4	21	77.5	1,431	1,512.7	273	574.9	849	260.3
Richmond, VA	1	52.0	16	82.3	2,006	1,380.5	180	629.2	803	260.2
Riverside–San Bernardino–Ontario, CA	20	239.2	106	92.5	779	604.4	2,186	256.6	3,376	515.6
Rochester, NY	1	90.8	6	49.5	660	1,480.6	398	1,432.5	704	199.5
Sacramento–Roseville–Arden–Arcade, CA	25	486.8	109	95.2	571	890.2	703	387.2	1,858	362.1
St. Louis, MO–IL	2	80.4	26	96.1	2,765	1,490.3	211	669.8	2,248	259.0
Salt Lake City, UT	12	389.2	31	174.4	101	1,302.1	344	454.9	1,063	309.1
San Antonio–New Braunfels, TX	3	113.1	31	145.8	646	1,005.8	3,285	659.2	1,148	325.2
San Diego–Carlsbad–San Marcos, CA	41	626.2	285	188.5	1,120	1,547.5	3,626	865.6	4,827	696.5
San Francisco–Oakland–Hayward, CA <sup>d</sup>	59	1,218.6	1,200	252.3	3,530	2,478.3	4,459	1,104.1	10,836	1,279.6
Oakland Division	11	357.4	343	130.8	1,897	1,726.0	1,298	513.0	2,379	523.9
San Francisco Division	47	3,236.1	844	406.0	1,496	5,216.1	3,013	2,246.8	8,061	2,571.5
San Jose–Sunnyvale–Santa Clara, CA	4	227.6	258	93.1	206	989.5	1,054	506.5	1,017	346.3
San Juan–Carolina–Caguas, PR <sup>e</sup>	-	-	-	-	-	-	-	-	-	-
Santa Rosa, CA	8	519.3	20	259.3	45	1,263.2	173	335.2	795	572.7

**Table 4b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	American Indian/ Alaska Native		Asian <sup>a</sup>		Black/African American		Hispanic/Latino <sup>b</sup>		White	
	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>
Scranton–Wilkes-Barre–Hazleton, PA	1	370.2	0	0.0	80	961.6	71	424.7	259	127.7
Seattle–Tacoma–Bellevue, WA	48	367.9	276	143.7	1061	1,147.0	1072	784.0	4,544	430.8
Seattle Division	39	427.2	253	146.0	862	1,291.4	911	868.3	3,976	490.1
Tacoma Division	9	229.7	23	122.1	199	772.7	161	506.0	568	233.3
Spokane–Spokane Valley, WA	5	130.3	5	119.9	27	609.2	44	413.8	399	202.5
Springfield, MA	2	457.0	15	196.2	229	1,417.3	668	1,560.0	421	226.9
Stockton–Lodi, CA	2	144.2	44	106.3	255	1,246.2	379	341.3	336	323.9
Syracuse, NY	2	116.3	11	147.9	215	1,107.0	120	1,268.2	406	178.0
Tampa–St. Petersburg–Clearwater, FL	1	31.1	62	165.4	2,658	2,078.4	1,422	678.6	4,475	543.6
Toledo, OH	0	0.0	5	128.4	267	826.6	45	315.1	364	191.8
Tucson, AZ	42	449.4	15	132.9	174	1,117.5	657	476.6	1,066	454.0
Tulsa, OK	76	248.0	18	212.4	283	945.7	131	395.9	893	332.1
Virginia Beach–Norfolk–Newport News, VA–NC	5	187.2	21	82.6	2,464	1,236.4	194	438.7	999	238.8
Washington–Arlington–Alexandria, DC–VA–MD–WV	7	129.2	224	93.6	8,267	1,409.0	1,968	545.9	3,250	271.0
Silver Spring Division	1	110.3	53	81.1	1,157	1,496.9	455	546.2	624	228.3
Washington Division	6	133.0	171	98.3	7,110	1,395.7	1,513	545.9	2,626	283.6
Wichita, KS	1	46.5	14	153.8	154	834.5	112	388.0	377	195.7
Winston-Salem, NC	1	123.1	5	123.5	650	1,522.7	140	615.0	368	194.6
Worcester, MA–CT	1	125.6	19	120.3	227	1,430.9	382	1,002.9	582	185.4
Youngstown–Warren–Boardman, OH–PA	0	0.0	0	0.0	194	849.5	74	997.3	252	130.1
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>1,160</b>	<b>317.4</b>	<b>9,304</b>	<b>151.8</b>	<b>207,088</b>	<b>1,807.3</b>	<b>143,169</b>	<b>829.1</b>	<b>196,749</b>	<b>382.3</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>319</b>	<b>164.6</b>	<b>562</b>	<b>96.7</b>	<b>25,495</b>	<b>1,093.1</b>	<b>10,643</b>	<b>372.0</b>	<b>30,533</b>	<b>179.4</b>
<b>Nonmetropolitan areas</b>	<b>478</b>	<b>128.0</b>	<b>135</b>	<b>76.2</b>	<b>15,412</b>	<b>961.1</b>	<b>5,376</b>	<b>354.2</b>	<b>17,545</b>	<b>113.9</b>
<b>Total<sup>f</sup></b>	<b>2,070</b>	<b>220.2</b>	<b>10,454</b>	<b>151.8</b>	<b>265,033</b>	<b>1,721.6</b>	<b>164,782</b>	<b>761.2</b>	<b>259,275</b>	<b>309.1</b>

Note. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data excludes 618 persons whose race/ethnicity is unknown.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

Data for Native Hawaiians/other Pacific Islanders are not presented due to small population denominators (i.e., less than 100). However, data are summarized in Commentary.

<sup>a</sup> Includes Asian/Pacific Islander legacy cases (see Technical Notes).

<sup>b</sup> Hispanics/Latinos can be of any race.

<sup>c</sup> Rates are per 100,000 population.

<sup>d</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>e</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>f</sup> Includes persons whose county of residence is unknown.

**Table 5a. Diagnoses of HIV infection among adult and adolescent females, by race/ethnicity and metropolitan statistical area of residence, 2016—United States**

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino <sup>a</sup>			White		
	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>
Akron, OH	0	0.0	—	0	0.0	—	6	15.9	—	0	0.0	—	3	1.2	—
Albany–Schenectady–Troy, NY	0	0.0	—	0	0.0	—	4	13.7	—	1	5.9	—	0	0.0	—
Albuquerque, NM	2	9.4	—	0	0.0	—	0	0.0	—	2	1.1	—	1	0.6	—
Allentown–Bethlehem–Easton, PA–NJ	0	0.0	—	2	18.7	—	6	36.1	—	7	13.6	—	3	1.1	—
Atlanta–Sandy Springs–Roswell, GA	0	0.0	—	4	2.8	—	211	24.3	23	11	5.2	—	22	1.8	20
Augusta–Richmond County, GA–SC	0	0.0	—	0	0.0	—	21	23.0	31	0	0.0	—	4	2.8	—
Austin–Round Rock, TX	0	0.0	—	0	0.0	—	12	19.5	42	11	4.4	—	10	2.1	—
Bakersfield, CA	0	0.0	—	1	5.6	—	3	18.5	—	5	3.0	—	2	1.5	—
Baltimore–Columbia–Towson, MD	0	0.0	—	1	1.4	—	92	25.0	19	6	10.9	—	23	3.2	6
Baton Rouge, LA	0	0.0	—	0	0.0	—	64	50.3	5	4	36.9	—	8	3.9	—
Birmingham–Hoover, AL	0	0.0	—	0	0.0	—	27	18.1	46	2	12.9	—	3	0.9	—
Boise City, ID	0	0.0	—	0	0.0	—	1	57.4	—	0	0.0	—	0	0.0	—
Boston–Cambridge–Newton, MA–NH <sup>d</sup>	0	0.0	—	2	1.2	—	58	36.0	13	33	16.3	1	25	1.6	22
Boston Division	0	0.0	—	0	0.0	—	37	32.0	—	15	16.6	—	10	1.7	—
Cambridge Division	0	0.0	—	2	2.1	—	20	45.3	—	18	16.7	—	15	1.9	—
Bridgeport–Stamford–Norwalk, CT	0	0.0	—	2	8.7	—	10	21.5	—	4	5.6	—	2	0.8	—
Buffalo–Cheektowaga–Niagara Falls, NY	0	0.0	—	0	0.0	—	13	21.9	32	4	19.3	—	6	1.5	—
Cape Coral–Fort Myers, FL	0	0.0	—	0	0.0	—	11	45.5	—	6	10.6	—	5	2.1	—
Charleston–North Charleston, SC	0	0.0	—	0	0.0	—	14	15.9	48	1	7.2	—	5	2.3	—
Charlotte–Concord–Gastonia, NC–SC	0	0.0	—	2	5.5	—	58	23.3	28	3	3.5	—	10	1.5	—
Chattanooga, TN–GA	0	0.0	—	0	0.0	—	6	17.7	—	1	13.0	—	4	2.1	—
Chicago–Naperville–Elgin, IL–IN–WI	0	0.0	—	4	1.4	—	152	21.2	35	28	3.6	12	24	1.1	27
Chicago Division	0	0.0	—	4	1.7	—	136	21.8	—	25	4.1	—	14	0.9	—
Elgin Division	0	0.0	—	0	0.0	—	3	19.9	—	0	0.0	—	3	1.8	—
Gary Division	0	0.0	—	0	0.0	—	8	14.6	—	3	7.1	—	3	1.5	—
Lake County Division	0	0.0	—	0	0.0	—	5	20.2	—	0	0.0	—	4	1.6	—
Cincinnati, OH–KY–IN	0	0.0	—	0	0.0	—	23	20.2	38	2	9.1	—	21	2.8	9
Cleveland–Elyria, OH	0	0.0	—	0	0.0	—	36	19.7	41	3	6.9	—	7	1.1	—
Colorado Springs, CO	0	0.0	—	0	0.0	—	4	26.2	—	1	2.3	—	1	0.5	—
Columbia, SC	0	0.0	—	0	0.0	—	14	11.4	53	1	6.8	—	8	3.9	—
Columbus, OH	0	0.0	—	0	0.0	—	31	24.1	25	1	3.7	—	14	2.1	12
Dallas–Fort Worth–Arlington, TX	0	0.0	—	6	3.0	—	125	25.5	18	39	5.2	10	33	2.2	11
Dallas Division	0	0.0	—	4	2.6	—	90	25.8	—	30	5.8	—	25	2.7	—
Fort Worth Division	0	0.0	—	2	4.2	—	35	24.9	—	9	3.8	—	8	1.4	—
Dayton, OH	0	0.0	—	0	0.0	—	11	19.9	—	0	0.0	—	5	1.8	—
Deltona–Daytona Beach–Ormond Beach, FL	0	0.0	—	0	0.0	—	9	31.2	—	2	6.1	—	10	4.6	—
Denver–Aurora–Lakewood, CO	0	0.0	—	1	1.9	—	15	24.2	24	5	2.0	—	16	2.0	17
Des Moines–West Des Moines, IA	0	0.0	—	2	19.1	—	8	66.2	—	0	0.0	—	1	0.5	—

**Table 5a. Diagnoses of HIV infection among adult and adolescent females, by race/ethnicity and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino <sup>a</sup>			White		
	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>
Detroit–Warren–Dearborn, MI	0	0.0	—	0	0.0	—	52	12.0	51	1	1.5	—	22	1.7	21
Detroit Division	0	0.0	—	0	0.0	—	40	13.2	—	1	2.7	—	11	2.9	—
Warren Division	0	0.0	—	0	0.0	—	12	9.3	—	0	0.0	—	11	1.2	—
Durham–Chapel Hill, NC	0	0.0	—	1	7.9	—	13	18.7	45	0	0.0	—	3	2.1	—
El Paso, TX	0	0.0	—	0	0.0	—	2	23.7	—	4	1.4	—	0	0.0	—
Fayetteville–Springdale–Rogers, AR	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—	3	1.8	—
Fresno, CA	0	0.0	—	1	2.5	—	1	5.5	—	9	4.7	—	5	3.8	—
Grand Rapids–Wyoming, MI	0	0.0	—	2	16.7	—	5	19.0	—	1	3.0	—	2	0.6	—
Greensboro–High Point, NC	0	0.0	—	2	17.5	—	22	23.9	26	1	4.7	—	5	2.4	—
Greenville–Anderson–Mauldin, SC	0	0.0	—	0	0.0	—	13	20.3	37	2	9.9	—	4	1.4	—
Harrisburg–Carlisle, PA	0	0.0	—	0	0.0	—	8	34.7	—	4	32.8	—	0	0.0	—
Hartford–West Hartford–East Hartford, CT	1	128.8	—	0	0.0	—	11	19.6	—	5	7.2	—	1	0.3	—
Honolulu (Urban), HI	0	0.0	—	2	1.0	—	1	13.1	—	0	0.0	—	2	2.9	—
Houston–The Woodlands–Sugar Land, TX	0	0.0	—	1	0.4	—	198	39.7	11	76	8.3	4	29	2.7	10
Indianapolis–Carmel–Anderson, IN	0	0.0	—	1	4.0	—	32	24.8	22	2	4.6	—	13	2.0	16
Jackson, MS	0	0.0	—	0	0.0	—	31	24.9	21	0	0.0	—	2	1.7	—
Jacksonville, FL	0	0.0	—	3	11.3	—	60	44.3	6	1	2.0	—	22	5.3	2
Kansas City, MO–KS	0	0.0	—	2	8.0	—	24	21.7	33	7	10.6	—	4	0.6	—
Knoxville, TN	0	0.0	—	0	0.0	—	3	14.1	—	1	9.5	—	7	2.1	—
Lakeland–Winter Haven, FL	0	0.0	—	1	16.6	—	22	54.3	3	6	11.4	—	6	3.3	—
Lancaster, PA	0	0.0	—	1	18.8	—	5	71.1	—	0	0.0	—	1	0.5	—
Las Vegas–Henderson–Paradise, NV	1	23.0	—	3	2.9	—	40	40.4	10	9	3.6	—	13	3.2	7
Lexington–Fayette, KY	0	0.0	—	0	0.0	—	8	33.9	—	0	0.0	—	4	2.3	—
Little Rock–North Little Rock–Conway, AR	0	0.0	—	1	17.2	—	9	12.0	—	2	16.5	—	5	2.3	—
Los Angeles–Long Beach–Anaheim, CA	2	17.0	—	10	1.0	—	82	20.6	36	84	3.5	14	38	2.1	13
Anaheim Division	0	0.0	—	5	1.7	—	5	24.1	—	9	2.1	—	7	1.2	—
Los Angeles Division	2	22.4	—	5	0.7	—	77	20.4	—	75	3.8	—	31	2.6	—
Louisville/Jefferson County, KY–IN	0	0.0	—	0	0.0	—	17	21.5	34	4	20.9	—	11	2.5	—
Madison, WI	0	0.0	—	0	0.0	—	2	19.4	—	0	0.0	—	1	0.4	—
McAllen–Edinburg–Mission, TX	0	0.0	—	0	0.0	—	1	113.6	—	6	2.0	—	0	0.0	—
Memphis, TN–MS–AR	1	80.5	—	0	0.0	—	56	20.1	39	0	0.0	—	2	0.8	—
Miami–Fort Lauderdale–West Palm Beach, FL	1	27.8	—	1	1.4	—	338	62.8	2	91	7.7	6	57	6.6	1
Fort Lauderdale Division	1	62.4	—	0	0.0	—	137	58.6	—	13	5.5	—	18	5.6	—
Miami Division	0	0.0	—	0	0.0	—	142	74.2	—	66	8.0	—	22	14.1	—
West Palm Beach Division	0	0.0	—	1	5.5	—	59	52.1	—	12	9.6	—	17	4.4	—
Milwaukee–Waukesha–West Allis, WI	0	0.0	—	0	0.0	—	13	11.8	52	1	1.7	—	4	0.8	—
Minneapolis–St. Paul–Bloomington, MN–WI	0	0.0	—	1	1.0	—	44	41.1	8	1	1.4	—	10	0.8	—
Modesto, CA	0	0.0	—	0	0.0	—	1	17.9	—	4	4.4	—	3	2.9	—

**Table 5a. Diagnoses of HIV infection among adult and adolescent females, by race/ethnicity and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino <sup>a</sup>			White		
	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>
Nashville–Davidson–Murfreesboro–Franklin, TN	0	0.0	—	1	4.5	—	18	14.4	49	4	9.3	—	7	1.2	—
New Haven–Milford, CT	0	0.0	—	1	6.2	—	12	25.0	20	4	6.8	—	0	0.0	—
New Orleans–Metairie, LA	0	0.0	—	0	0.0	—	68	34.7	15	7	17.3	—	13	4.4	4
New York–Newark–Jersey City, NY–NJ–PA <sup>d</sup>	0	0.0	—	22	2.2	1	418	28.1	17	222	11.1	3	65	1.5	23
Nassau County Division	0	0.0	—	2	2.4	—	13	10.8	—	7	3.6	—	12	1.4	—
New York Division	0	0.0	—	18	2.1	—	318	28.1	—	192	12.1	—	39	1.5	—
Newark Division	0	0.0	—	1	1.2	—	85	38.6	—	22	11.4	—	12	2.1	—
North Port–Sarasota–Bradenton, FL	0	0.0	—	0	0.0	—	9	41.7	—	1	2.7	—	1	0.3	—
Ogden–Clearfield, UT	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—	1	0.5	—
Oklahoma City, OK	1	4.5	—	1	4.9	—	12	20.1	40	3	5.1	—	10	2.6	—
Omaha–Council Bluffs, NE–IA	0	0.0	—	0	0.0	—	5	17.8	—	1	3.2	—	3	1.0	—
Orlando–Kissimmee–Sanford, FL	0	0.0	—	1	2.0	—	83	50.7	4	24	8.0	5	24	4.5	3
Oxnard–Thousand Oaks–Ventura, CA	0	0.0	—	1	3.4	—	0	0.0	—	0	0.0	—	3	1.7	—
Palm Bay–Melbourne–Titusville, FL	0	0.0	—	0	0.0	—	5	19.8	—	0	0.0	—	9	4.5	—
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	1	22.9	—	2	1.3	—	133	23.9	27	27	13.1	2	31	1.8	19
Camden Division	0	0.0	—	0	0.0	—	13	14.8	—	4	7.9	—	6	1.6	—
Montgomery Division	0	0.0	—	0	0.0	—	7	12.6	—	2	5.2	—	4	0.6	—
Philadelphia Division	1	50.2	—	1	1.5	—	100	28.8	—	20	21.4	—	16	3.8	—
Wilmington Division	0	0.0	—	1	7.2	—	13	19.6	—	1	4.4	—	5	2.4	—
Phoenix–Mesa–Scottsdale, AZ	6	16.2	—	3	3.8	—	34	35.7	14	15	2.8	15	23	2.0	18
Pittsburgh, PA	0	0.0	—	1	4.3	—	16	18.9	44	1	6.7	—	8	0.9	—
Portland–South Portland, ME	0	0.0	—	0	0.0	—	8	245.8	—	0	0.0	—	2	0.9	—
Portland–Vancouver–Hillsboro, OR–WA	0	0.0	—	2	2.7	—	2	7.6	—	1	1.0	—	10	1.3	—
Providence–Warwick, RI–MA	0	0.0	—	1	4.5	—	10	28.9	—	4	5.3	—	12	2.1	15
Provo–Orem, UT	0	0.0	—	0	0.0	—	2	200.2	—	0	0.0	—	0	0.0	—
Raleigh, NC	0	0.0	—	1	3.3	—	27	23.3	29	4	8.5	—	4	1.1	—
Richmond, VA	0	0.0	—	0	0.0	—	24	13.8	50	3	11.3	—	6	1.8	—
Riverside–San Bernardino–Ontario, CA	0	0.0	—	2	1.5	—	14	10.3	54	20	2.3	16	8	1.2	—
Rochester, NY	0	0.0	—	0	0.0	—	4	7.8	—	3	10.2	—	4	1.1	—
Sacramento–Roseville–Arden–Arcade, CA	1	17.2	—	2	1.5	—	11	16.1	—	2	1.1	—	10	1.8	—
St. Louis, MO–IL	0	0.0	—	0	0.0	—	39	16.9	47	3	10.1	—	12	1.3	25
Salt Lake City, UT	0	0.0	—	1	5.0	—	9	158.6	—	2	2.7	—	4	1.1	—
San Antonio–New Braunfels, TX	0	0.0	—	2	7.3	—	15	23.2	30	19	3.5	13	5	1.4	—
San Diego–Carlsbad–San Marcos, CA	0	0.0	—	4	2.2	—	8	13.3	—	21	4.8	11	21	3.2	8
San Francisco–Oakland–Hayward, CA <sup>d</sup>	0	0.0	—	6	1.1	—	53	34.3	16	26	6.5	8	27	3.2	5
Oakland Division	0	0.0	—	3	1.0	—	42	33.2	—	14	5.5	—	13	2.8	—
San Francisco Division	0	0.0	—	2	0.8	—	11	41.9	—	12	9.4	—	10	3.5	—
San Jose–Sunnyvale–Santa Clara, CA	0	0.0	—	3	1.0	—	4	21.8	—	10	4.9	—	2	0.7	—



**Table 5a. Diagnoses of HIV infection among adult and adolescent females, by race/ethnicity and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino <sup>a</sup>			White		
	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>	No.	Rate <sup>b</sup>	Rank <sup>c</sup>
San Juan–Carolina–Caguas, PR <sup>e</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Santa Rosa, CA	0	0.0	—	0	0.0	—	1	34.4	—	2	4.1	—	0	0.0	—
Scranton–Wilkes-Barre–Hazleton, PA	0	0.0	—	1	23.3	—	2	36.6	—	0	0.0	—	2	0.9	—
Seattle–Tacoma–Bellevue, WA	1	7.2	—	5	2.2	—	35	41.8	7	6	4.6	—	15	1.4	24
Seattle Division	1	10.4	—	5	2.5	—	28	45.4	—	6	6.0	—	11	1.3	—
Tacoma Division	0	0.0	—	0	0.0	—	7	31.9	—	0	0.0	—	4	1.6	—
Spokane–Spokane Valley, WA	0	0.0	—	0	0.0	—	3	99.4	—	1	9.5	—	3	1.5	—
Springfield, MA	0	0.0	—	1	10.2	—	2	11.3	—	4	8.0	—	2	1.0	—
Stockton–Lodi, CA	0	0.0	—	1	2.1	—	6	28.3	—	1	0.9	—	3	2.8	—
Syracuse, NY	0	0.0	—	0	0.0	—	4	18.1	—	0	0.0	—	2	0.8	—
Tampa–St. Petersburg–Clearwater, FL	1	29.9	—	2	4.2	—	62	40.6	9	16	7.0	7	19	2.1	14
Toledo, OH	0	0.0	—	0	0.0	—	1	2.7	—	0	0.0	—	1	0.5	—
Tucson, AZ	1	9.6	—	0	0.0	—	4	33.0	—	1	0.7	—	3	1.2	—
Tulsa, OK	2	6.1	—	0	0.0	—	2	5.9	—	0	0.0	—	6	2.1	—
Virginia Beach–Norfolk–Newport News, VA–NC	0	0.0	—	0	0.0	—	45	19.5	43	3	7.3	—	8	1.9	—
Washington–Arlington–Alexandria, DC–VA–MD–WV	0	0.0	—	4	1.4	—	267	38.4	12	22	6.3	9	15	1.2	26
Silver Spring Division	0	0.0	—	2	2.6	—	70	74.9	—	5	6.0	—	6	2.1	—
Washington Division	0	0.0	—	2	1.0	—	197	32.7	—	17	6.4	—	9	1.0	—
Wichita, KS	0	0.0	—	0	0.0	—	3	16.2	—	0	0.0	—	4	2.0	—
Winston-Salem, NC	0	0.0	—	0	0.0	—	10	18.7	—	2	9.0	—	3	1.5	—
Worcester, MA–CT	0	0.0	—	1	5.7	—	16	109.3	1	3	7.6	—	4	1.2	—
Youngstown–Warren–Boardman, OH–PA	0	0.0	—	0	0.0	—	1	4.1	—	0	0.0	—	3	1.5	—
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>22</b>	<b>5.6</b>	<b>—</b>	<b>132</b>	<b>1.9</b>	<b>—</b>	<b>3,666</b>	<b>27.3</b>	<b>—</b>	<b>993</b>	<b>5.6</b>	<b>—</b>	<b>973</b>	<b>1.8</b>	<b>—</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>10</b>	<b>5.0</b>	<b>—</b>	<b>11</b>	<b>1.6</b>	<b>—</b>	<b>562</b>	<b>22.6</b>	<b>—</b>	<b>103</b>	<b>3.7</b>	<b>—</b>	<b>313</b>	<b>1.8</b>	<b>—</b>
<b>Nonmetropolitan areas</b>	<b>12</b>	<b>3.1</b>	<b>—</b>	<b>6</b>	<b>2.8</b>	<b>—</b>	<b>251</b>	<b>16.6</b>	<b>—</b>	<b>49</b>	<b>3.7</b>	<b>—</b>	<b>163</b>	<b>1.0</b>	<b>—</b>
<b>Total<sup>f</sup></b>	<b>44</b>	<b>4.4</b>	<b>—</b>	<b>150</b>	<b>1.9</b>	<b>—</b>	<b>4,518</b>	<b>25.9</b>	<b>—</b>	<b>1,152</b>	<b>5.3</b>	<b>—</b>	<b>1,461</b>	<b>1.7</b>	<b>—</b>

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

Data for Native Hawaiians/other Pacific Islanders are not presented due to small population denominators (i.e., less than 100). However, data are summarized in Commentary.

<sup>a</sup> Hispanics/Latinos can be of any race.

<sup>b</sup> Rates are per 100,000 population.

<sup>c</sup> Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

<sup>d</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>e</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>f</sup> Includes persons whose county of residence is unknown.

**Table 5b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2015—United States**

MSA of residence	American Indian/ Alaska Native		Asian <sup>a</sup>		Black/African American		Hispanic/Latino <sup>b</sup>		White	
	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>
Akron, OH	1	189.6	3	36.4	104	275.5	6	122.2	53	20.8
Albany–Schenectady–Troy, NY	0	0.0	5	32.0	220	770.6	126	771.6	155	48.2
Albuquerque, NM	13	63.1	0	0.0	28	373.4	65	36.6	51	30.6
Allentown–Bethlehem–Easton, PA–NJ	0	0.0	2	19.2	126	783.3	251	510.6	111	39.0
Atlanta–Sandy Springs–Roswell, GA	2	41.4	40	29.1	5,298	625.5	420	206.0	544	45.0
Augusta–Richmond County, GA–SC	0	0.0	1	18.0	600	663.1	28	271.7	101	71.1
Austin–Round Rock, TX	0	0.0	7	14.9	392	659.7	221	91.6	176	37.9
Bakersfield, CA	1	39.6	2	11.6	44	273.8	94	58.5	78	58.8
Baltimore–Columbia–Towson, MD	5	162.0	19	28.5	5,068	1,386.9	202	382.5	504	70.0
Baton Rouge, LA	1	105.5	4	53.3	1,620	1,286.3	21	200.8	156	76.0
Birmingham–Hoover, AL	1	70.6	1	14.0	771	520.9	17	113.2	156	48.0
Boise City, ID	1	58.4	0	0.0	12	707.6	10	31.8	30	13.0
Boston–Cambridge–Newton, MA–NH <sup>d</sup>	6	196.1	67	41.0	2,056	1,299.0	857	436.5	712	45.4
Boston Division	3	184.2	26	37.8	1,253	1,099.6	391	446.4	323	53.6
Cambridge Division	3	259.9	41	45.5	795	1,841.2	459	438.3	352	44.6
Bridgeport–Stamford–Norwalk, CT	2	435.9	5	22.5	444	963.3	291	420.3	138	51.6
Buffalo–Cheektowaga–Niagara Falls, NY	1	31.2	11	77.7	326	548.0	146	723.8	140	34.9
Cape Coral–Fort Myers, FL	0	0.0	0	0.0	377	1,617.2	102	191.5	137	60.3
Charleston–North Charleston, SC	1	81.7	0	0.0	521	600.8	23	173.7	96	45.9
Charlotte–Concord–Gastonia, NC–SC	2	55.2	12	35.1	1,668	689.3	133	162.0	288	43.2
Chattanooga, TN–GA	0	0.0	1	25.9	131	390.5	13	180.0	100	51.9
Chicago–Naperville–Elgin, IL–IN–WI	8	143.4	54	19.9	4,021	556.7	882	114.2	631	27.8
Chicago Division	8	199.6	49	20.9	3,700	589.5	776	127.9	480	29.1
Elgin Division	0	0.0	4	39.0	36	241.5	23	36.2	27	15.8
Gary Division	0	0.0	0	0.0	173	313.6	25	60.3	72	36.3
Lake County Division	0	0.0	1	4.3	112	454.8	58	95.8	52	20.8
Cincinnati, OH–KY–IN	0	0.0	3	13.9	467	413.5	33	156.6	260	34.7
Cleveland–Elyria, OH	1	68.1	2	9.6	657	358.1	148	351.2	193	29.6
Colorado Springs, CO	1	54.3	2	20.7	41	275.2	32	77.9	61	29.2
Columbia, SC	0	0.0	2	27.4	903	749.5	32	223.4	139	68.0
Columbus, OH	2	112.0	6	18.4	618	490.5	57	217.9	289	44.3
Dallas–Fort Worth–Arlington, TX	3	25.4	60	31.7	3,335	701.7	834	114.8	705	47.2
Dallas Division	1	13.4	44	30.7	2,614	769.7	630	125.8	414	44.7
Fort Worth Division	2	46.1	16	34.9	721	531.5	204	90.4	291	51.2
Dayton, OH	1	138.1	0	0.0	198	359.6	4	55.2	84	30.8
Deltona–Daytona Beach–Ormond Beach, FL	1	125.8	1	18.3	286	1,014.6	64	207.3	164	77.0
Denver–Aurora–Lakewood, CO	13	214.4	23	44.7	415	682.9	199	83.0	332	41.8
Des Moines–West Des Moines, IA	0	0.0	9	92.2	74	633.6	13	88.8	47	21.5

**Table 5b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	American Indian/ Alaska Native		Asian <sup>a</sup>		Black/African American		Hispanic/Latino <sup>b</sup>		White	
	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>
Detroit–Warren–Dearborn, MI	4	70.3	14	19.2	1,728	398.4	79	118.1	261	20.6
Detroit Division	2	75.9	5	21.6	1,381	451.0	53	146.2	125	32.6
Warren Division	2	65.5	9	18.1	347	272.1	26	84.9	136	15.4
Durham–Chapel Hill, NC	0	0.0	5	40.9	486	706.2	47	235.1	44	31.4
El Paso, TX	0	0.0	1	23.2	26	310.7	218	76.0	16	39.3
Fayetteville–Springdale–Rogers, AR	1	34.4	0	0.0	16	391.7	20	72.7	76	46.2
Fresno, CA	4	156.9	10	25.1	82	454.3	129	69.1	62	46.4
Grand Rapids–Wyoming, MI	1	65.7	8	69.2	146	559.3	25	76.6	63	17.6
Greensboro–High Point, NC	6	415.2	5	45.6	583	642.7	23	113.0	100	48.8
Greenville–Anderson–Mauldin, SC	0	0.0	0	0.0	300	474.4	24	123.9	123	43.3
Harrisburg–Carlisle, PA	0	0.0	0	0.0	143	627.7	51	439.1	112	56.6
Hartford–West Hartford–East Hartford, CT	0	0.0	9	37.6	348	625.0	474	699.0	224	59.0
Honolulu (Urban), HI	1	152.8	51	25.2	16	218.4	24	74.9	60	84.9
Houston–The Woodlands–Sugar Land, TX	2	29.9	56	26.1	4,637	949.4	1,317	147.9	694	64.6
Indianapolis–Carmel–Anderson, IN	0	0.0	38	161.4	589	463.9	84	201.6	279	44.0
Jackson, MS	0	0.0	1	33.8	929	752.0	15	372.9	79	66.2
Jacksonville, FL	1	49.3	13	51.2	1,739	1,310.6	104	224.9	363	88.6
Kansas City, MO–KS	0	0.0	10	41.8	416	378.2	63	99.2	182	27.5
Knoxville, TN	1	101.9	1	17.9	80	380.2	10	99.2	131	39.1
Lakeland–Winter Haven, FL	2	249.8	1	17.6	397	1,005.6	121	246.7	174	95.6
Lancaster, PA	0	0.0	1	19.5	62	914.0	91	459.2	79	40.6
Las Vegas–Henderson–Paradise, NV	11	257.7	36	35.8	590	624.2	209	86.1	357	87.8
Lexington–Fayette, KY	2	418.8	0	0.0	80	345.0	21	238.4	53	30.4
Little Rock–North Little Rock–Conway, AR	1	74.0	1	17.5	288	390.4	20	170.2	97	44.4
Los Angeles–Long Beach–Anaheim, CA	7	59.2	205	21.1	1,952	489.8	2,872	120.7	1,003	55.7
Anaheim Division	0	0.0	40	14.2	100	490.1	352	83.9	227	38.3
Los Angeles Division	7	78.2	165	23.9	1,852	489.8	2,520	128.6	776	64.2
Louisville/Jefferson County, KY–IN	1	89.5	3	28.7	214	273.1	17	92.5	197	45.2
Madison, WI	0	0.0	4	30.5	54	538.2	11	91.4	37	15.8
McAllen–Edinburg–Mission, TX	0	0.0	0	0.0	5	582.7	194	65.0	7	28.0
Memphis, TN–MS–AR	1	81.6	4	33.4	1,826	662.3	42	195.7	148	56.2
Miami–Fort Lauderdale–West Palm Beach, FL	6	168.7	19	28.2	11,092	2,085.7	2,394	206.2	1,108	127.8
Fort Lauderdale Division	3	189.5	11	35.7	4,035	1,761.0	487	213.8	447	137.0
Miami Division	2	203.7	6	31.3	4,882	2,534.0	1,614	198.3	310	196.5
West Palm Beach Division	1	100.8	2	11.5	2,175	1,977.0	293	245.2	351	91.6
Milwaukee–Waukesha–West Allis, WI	4	131.9	12	53.3	404	365.8	105	182.8	97	20.4
Minneapolis–St. Paul–Bloomington, MN–WI	38	427.3	30	32.6	986	952.0	101	149.7	315	26.7
Modesto, CA	0	0.0	4	32.7	16	297.6	39	44.0	43	40.9
Nashville–Davidson–Murfreesboro–Franklin, TN	1	49.3	11	52.9	572	468.0	49	119.1	254	43.3

**Table 5b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	American Indian/ Alaska Native		Asian <sup>a</sup>		Black/African American		Hispanic/Latino <sup>b</sup>		White	
	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>
New Haven–Milford, CT	1	156.8	3	19.0	480	1,010.5	356	620.2	237	92.1
New Orleans–Metairie, LA	0	0.0	5	32.1	1,538	791.8	108	273.8	220	75.2
New York–Newark–Jersey City, NY–NJ–PA <sup>d</sup>	12	75.9	278	28.0	21,504	1,444.9	13,415	680.9	3,145	73.8
Nassau County Division	0	0.0	12	14.9	607	509.1	527	276.7	324	38.4
New York Division	12	99.6	251	30.4	17,383	1,529.3	11,906	756.6	2,416	89.5
Newark Division	0	0.0	14	17.3	3,423	1,559.7	922	490.5	338	57.7
North Port–Sarasota–Bradenton, FL	0	0.0	0	0.0	275	1,305.5	62	179.9	166	57.6
Ogden–Clearfield, UT	0	0.0	1	20.4	9	384.5	12	43.3	32	15.5
Oklahoma City, OK	27	124.7	8	40.6	171	290.9	41	72.4	170	43.8
Omaha–Council Bluffs, NE–IA	3	185.9	2	19.7	53	190.3	10	33.3	44	14.6
Orlando–Kissimmee–Sanford, FL	1	39.6	13	27.3	1,640	1,031.0	764	269.3	378	72.0
Oxnard–Thousand Oaks–Ventura, CA	0	0.0	0	0.0	14	249.0	63	46.2	51	28.6
Palm Bay–Melbourne–Titusville, FL	0	0.0	2	29.5	240	974.7	45	200.9	172	87.7
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	11	253.9	53	34.6	5,077	914.3	1,073	537.1	941	55.0
Camden Division	0	0.0	7	26.3	473	541.7	216	439.7	152	40.7
Montgomery Division	0	0.0	3	6.1	184	335.9	36	96.9	126	17.9
Philadelphia Division	8	402.2	40	62.8	3,859	1,109.1	756	827.9	512	119.8
Wilmington Division	3	470.5	3	22.3	561	859.3	65	293.3	151	72.5
Phoenix–Mesa–Scottsdale, AZ	53	147.2	33	43.9	475	523.4	433	84.4	544	47.2
Pittsburgh, PA	0	0.0	7	31.4	396	465.3	14	97.6	189	20.6
Portland–South Portland, ME	1	141.5	2	46.3	74	2,378.6	15	410.4	64	29.0
Portland–Vancouver–Hillsboro, OR–WA	8	111.3	28	39.8	128	499.2	63	65.2	309	39.3
Providence–Warwick, RI–MA	4	163.5	8	37.2	287	850.8	308	423.6	374	64.8
Provo–Orem, UT	0	0.0	1	24.0	3	319.0	8	35.7	14	7.6
Raleigh, NC	2	112.3	11	39.1	672	593.0	73	162.2	134	38.9
Richmond, VA	0	0.0	2	9.5	887	514.4	60	235.8	127	38.7
Riverside–San Bernardino–Ontario, CA	4	46.9	19	14.2	345	258.3	343	40.0	270	40.6
Rochester, NY	0	0.0	3	22.6	363	713.3	254	888.8	160	42.5
Sacramento–Roseville–Arden–Arcade, CA	2	34.5	35	26.9	271	406.0	98	53.7	250	45.7
St. Louis, MO–IL	0	0.0	8	26.0	948	410.4	43	149.4	267	29.1
Salt Lake City, UT	1	31.1	13	68.1	78	1,445.3	57	79.6	122	35.0
San Antonio–New Braunfels, TX	0	0.0	12	45.7	267	424.9	451	85.6	147	40.9
San Diego–Carlsbad–San Marcos, CA	3	51.0	55	31.2	270	453.1	462	106.9	333	50.5
San Francisco–Oakland–Hayward, CA <sup>d</sup>	9	187.6	136	24.8	1,096	703.4	442	112.7	538	64.1
Oakland Division	0	0.0	59	19.9	749	588.6	182	72.7	227	48.4
San Francisco Division	9	732.1	75	30.7	334	1,260.9	243	191.2	270	95.0
San Jose–Sunnyvale–Santa Clara, CA	2	111.1	42	14.5	108	589.4	125	61.4	97	34.5
San Juan–Carolina–Caguas, PR <sup>e</sup>	-	-	-	-	-	-	-	-	-	-
Santa Rosa, CA	0	0.0	2	20.1	19	678.4	26	54.1	81	53.3

**Table 5b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	American Indian/ Alaska Native		Asian <sup>a</sup>		Black/African American		Hispanic/Latino <sup>b</sup>		White	
	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>	No.	Rate <sup>c</sup>
Scranton–Wilkes-Barre–Hazleton, PA	0	0.0	1	24.3	41	787.9	42	259.5	91	41.6
Seattle–Tacoma–Bellevue, WA	22	160.3	53	24.1	557	685.2	131	104.7	367	34.5
Seattle Division	16	167.8	42	21.7	471	785.1	97	101.4	271	33.3
Tacoma Division	6	143.4	11	41.9	86	403.9	34	115.3	96	38.5
Spokane–Spokane Valley, WA	4	100.2	4	71.3	12	416.1	2	20.0	51	25.0
Springfield, MA	0	0.0	8	83.9	135	768.3	453	934.3	124	60.5
Stockton–Lodi, CA	1	71.4	13	28.6	92	441.5	49	45.5	61	56.4
Syracuse, NY	1	50.8	6	72.3	154	699.3	43	435.0	104	42.7
Tampa–St. Petersburg–Clearwater, FL	1	30.4	13	28.5	1,672	1,123.5	511	234.5	738	83.2
Toledo, OH	1	183.0	1	23.5	141	381.6	14	96.4	93	46.1
Tucson, AZ	8	78.1	4	29.3	91	765.1	90	61.0	141	57.5
Tulsa, OK	21	64.5	11	121.8	95	279.9	27	90.1	124	43.4
Virginia Beach–Norfolk–Newport News, VA–NC	2	80.3	9	28.6	1,171	509.5	87	218.1	192	46.2
Washington–Arlington–Alexandria, DC–VA–MD–WV	4	68.8	69	24.9	5,114	741.9	509	149.9	460	37.2
Silver Spring Division	2	200.4	17	22.4	1,129	1,234.2	136	165.8	144	49.0
Washington Division	2	41.5	52	25.8	3,985	666.6	373	144.8	316	33.5
Wichita, KS	0	0.0	2	19.4	68	365.7	26	95.6	51	25.4
Winston-Salem, NC	1	110.1	0	0.0	426	808.3	27	126.8	84	40.7
Worcester, MA–CT	0	0.0	7	41.0	249	1,757.9	253	659.0	173	52.5
Youngstown–Warren–Boardman, OH–PA	0	0.0	0	0.0	90	361.5	22	366.6	61	29.5
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>372</b>	<b>96.6</b>	<b>1,878</b>	<b>27.2</b>	<b>109,419</b>	<b>823.4</b>	<b>35,827</b>	<b>207.3</b>	<b>25,960</b>	<b>48.2</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>141</b>	<b>70.8</b>	<b>232</b>	<b>35.1</b>	<b>13,661</b>	<b>554.9</b>	<b>2,811</b>	<b>102.8</b>	<b>6,634</b>	<b>37.3</b>
<b>Nonmetropolitan areas</b>	<b>192</b>	<b>49.3</b>	<b>48</b>	<b>23.1</b>	<b>6,770</b>	<b>448.0</b>	<b>1,107</b>	<b>85.2</b>	<b>4,249</b>	<b>27.0</b>
<b>Total<sup>f</sup></b>	<b>748</b>	<b>76.3</b>	<b>2,275</b>	<b>29.3</b>	<b>137,522</b>	<b>796.7</b>	<b>41,088</b>	<b>192.8</b>	<b>38,961</b>	<b>44.6</b>

Note. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data excludes 250 persons whose race/ethnicity is unknown.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

Data for Native Hawaiians/other Pacific Islanders are not presented due to small population denominators (i.e., less than 100). However, data are summarized in Commentary.

<sup>a</sup> Includes Asian/Pacific Islander legacy cases (see Technical Notes).

<sup>b</sup> Hispanics/Latinos can be of any race.

<sup>c</sup> Rates are per 100,000 population.

<sup>d</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>e</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>f</sup> Includes persons whose county of residence is unknown.

**Table 6a. Diagnoses of HIV infection among adult and adolescent males, by transmission category and metropolitan statistical area of residence, 2016—United States and Puerto Rico**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Akron, OH	44	0	2	6	0
Albany–Schenectady–Troy, NY	37	3	1	6	0
Albuquerque, NM	52	5	6	3	0
Allentown–Bethlehem–Easton, PA–NJ	24	4	1	4	0
Atlanta–Sandy Springs–Roswell, GA	1,115	24	24	97	2
Augusta–Richmond County, GA–SC	55	2	1	10	0
Austin–Round Rock, TX	249	10	13	8	0
Bakersfield, CA	68	7	7	12	0
Baltimore–Columbia–Towson, MD	242	40	53	60	0
Baton Rouge, LA	134	8	5	22	0
Birmingham–Hoover, AL	129	2	3	2	0
Boise City, ID	12	0	2	2	0
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	245	39	12	31	1
Boston Division	134	20	7	20	0
Cambridge Division	104	18	5	11	0
Bridgeport–Stamford–Norwalk, CT	48	7	2	9	0
Buffalo–Cheektowaga–Niagara Falls, NY	53	3	6	4	0
Cape Coral–Fort Myers, FL	52	1	2	20	0
Charleston–North Charleston, SC	79	3	2	11	0
Charlotte–Concord–Gastonia, NC–SC	280	8	11	27	0
Chattanooga, TN–GA	40	2	0	4	0
Chicago–Naperville–Elgin, IL–IN–WI	929	28	34	70	7
Chicago Division	823	24	32	64	7
Elgin Division	29	1	0	3	0
Gary Division	41	3	2	1	0
Lake County Division	36	0	1	2	0
Cincinnati, OH–KY–IN	128	12	7	10	0
Cleveland–Elyria, OH	165	6	11	5	0
Colorado Springs, CO	24	1	9	1	0
Columbia, SC	118	7	2	15	0
Columbus, OH	157	9	12	11	1
Dallas–Fort Worth–Arlington, TX	1,020	29	30	74	2
Dallas Division	784	23	26	49	2
Fort Worth Division	236	6	4	25	0
Dayton, OH	43	3	1	1	0
Deltona–Daytona Beach–Ormond Beach, FL	52	10	7	1	0
Denver–Aurora–Lakewood, CO	211	12	35	9	0
Des Moines–West Des Moines, IA	25	0	0	1	0
Detroit–Warren–Dearborn, MI	384	10	19	17	1
Detroit Division	252	7	11	14	1
Warren Division	132	3	8	4	1
Durham–Chapel Hill, NC	76	1	1	5	0
El Paso, TX	77	4	3	2	0
Fayetteville–Springdale–Rogers, AR	24	0	0	1	0
Fresno, CA	101	9	4	3	0
Grand Rapids–Wyoming, MI	33	1	3	1	1
Greensboro–High Point, NC	103	4	5	14	0
Greenville–Anderson–Mauldin, SC	68	0	3	6	0
Harrisburg–Carlisle, PA	42	4	2	2	0
Hartford–West Hartford–East Hartford, CT	41	3	1	8	0
Honolulu (Urban), HI	45	0	1	8	0

**Table 6a. Diagnoses of HIV infection among adult and adolescent males, by transmission category and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	1,020	31	27	80	0
Indianapolis–Carmel–Anderson, IN	135	3	15	33	0
Jackson, MS	79	1	1	31	0
Jacksonville, FL	160	7	6	66	0
Kansas City, MO–KS	158	4	9	4	0
Knoxville, TN	37	2	5	8	0
Lakeland–Winter Haven, FL	54	3	1	26	1
Lancaster, PA	22	3	1	1	0
Las Vegas–Henderson–Paradise, NV	339	17	21	17	0
Lexington–Fayette, KY	36	0	3	2	0
Little Rock–North Little Rock–Conway, AR	115	3	3	5	0
Los Angeles–Long Beach–Anaheim, CA	1,866	52	62	29	0
Anaheim Division	292	10	13	4	0
Los Angeles Division	1,574	42	49	24	0
Louisville/Jefferson County, KY–IN	121	21	6	11	0
Madison, WI	21	1	0	0	0
McAllen–Edinburg–Mission, TX	68	3	2	2	0
Memphis, TN–MS–AR	173	0	1	69	0
Miami–Fort Lauderdale–West Palm Beach, FL	1,417	31	32	311	3
Fort Lauderdale Division	417	15	13	119	2
Miami Division	866	13	15	132	0
West Palm Beach Division	135	3	4	60	1
Milwaukee–Waukesha–West Allis, WI	94	1	4	4	0
Minneapolis–St. Paul–Bloomington, MN–WI	143	4	25	21	0
Modesto, CA	17	3	1	0	0
Nashville–Davidson–Murfreesboro–Franklin, TN	131	3	8	21	0
New Haven–Milford, CT	50	4	2	11	0
New Orleans–Metairie, LA	269	16	11	25	0
New York–Newark–Jersey City, NY–NJ–PA <sup>c</sup>	2,129	151	61	302	1
Nassau County Division	134	11	7	24	0
New York Division	1,750	118	49	212	0
Newark Division	232	21	5	64	0
North Port–Sarasota–Bradenton, FL	31	1	3	8	0
Ogden–Clearfield, UT	7	1	1	0	0
Oklahoma City, OK	96	5	10	7	0
Omaha–Council Bluffs, NE–IA	34	1	4	5	0
Orlando–Kissimmee–Sanford, FL	392	12	8	73	0
Oxnard–Thousand Oaks–Ventura, CA	35	1	1	3	0
Palm Bay–Melbourne–Titusville, FL	25	3	2	12	0
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	424	30	14	127	0
Camden Division	65	8	2	16	0
Montgomery Division	37	2	3	16	0
Philadelphia Division	284	15	8	79	0
Wilmington Division	38	5	1	17	0
Phoenix–Mesa–Scottsdale, AZ	419	26	26	21	1
Pittsburgh, PA	106	4	6	2	0
Portland–South Portland, ME	7	1	0	2	0
Portland–Vancouver–Hillsboro, OR–WA	122	3	18	4	0
Providence–Warwick, RI–MA	60	5	4	9	0
Provo–Orem, UT	8	1	1	1	0
Raleigh, NC	126	4	3	16	0

**Table 6a. Diagnoses of HIV infection among adult and adolescent males, by transmission category and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Richmond, VA	131	6	3	14	0
Riverside–San Bernardino–Ontario, CA	409	15	24	18	0
Rochester, NY	33	3	3	7	0
Sacramento–Roseville–Arden–Arcade, CA	173	10	9	14	0
St. Louis, MO–IL	217	6	3	25	0
Salt Lake City, UT	72	4	10	0	0
San Antonio–New Braunfels, TX	306	18	7	14	1
San Diego–Carlsbad–San Marcos, CA	350	15	24	51	0
San Francisco–Oakland–Hayward, CA <sup>c</sup>	532	22	40	26	0
Oakland Division	278	9	11	12	0
San Francisco Division	237	12	25	13	0
San Jose–Sunnyvale–Santa Clara, CA	95	7	9	6	0
San Juan–Carolina–Caguas, PR	197	26	7	82	0
Santa Rosa, CA	24	2	1	0	0
Scranton–Wilkes-Barre–Hazleton, PA	15	2	1	4	0
Seattle–Tacoma–Bellevue, WA	197	12	21	14	0
Seattle Division	167	11	19	13	0
Tacoma Division	30	1	2	1	0
Spokane–Spokane Valley, WA	8	5	3	1	0
Springfield, MA	40	11	1	4	0
Stockton–Lodi, CA	35	6	2	0	0
Syracuse, NY	26	3	2	3	0
Tampa–St. Petersburg–Clearwater, FL	334	10	25	44	0
Toledo, OH	38	1	1	3	0
Tucson, AZ	64	4	4	4	0
Tulsa, OK	48	4	8	5	0
Virginia Beach–Norfolk–Newport News, VA–NC	212	3	5	21	0
Washington–Arlington–Alexandria, DC–VA–MD–WV	619	23	37	137	1
Silver Spring Division	66	5	9	30	0
Washington Division	553	18	29	107	1
Wichita, KS	26	2	3	1	0
Winston-Salem, NC	72	1	2	8	0
Worcester, MA–CT	35	7	1	4	0
Youngstown–Warren–Boardman, OH–PA	18	2	0	1	0
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>21,696</b>	<b>1,011</b>	<b>1,008</b>	<b>2,483</b>	<b>26</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>2,993</b>	<b>184</b>	<b>212</b>	<b>454</b>	<b>4</b>
<b>Nonmetropolitan areas</b>	<b>1,379</b>	<b>111</b>	<b>116</b>	<b>241</b>	<b>2</b>
<b>Total<sup>d</sup></b>	<b>26,329</b>	<b>1,317</b>	<b>1,342</b>	<b>3,217</b>	<b>32</b>

Note. Data have been statistically adjusted to account for missing transmission category. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Includes persons whose county of residence is unknown.



**Table 6b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Akron, OH	588	26	51	39	7
Albany–Schenectady–Troy, NY	718	218	137	139	25
Albuquerque, NM	1,121	85	169	66	9
Allentown–Bethlehem–Easton, PA–NJ	424	227	72	178	23
Atlanta–Sandy Springs–Roswell, GA	19,967	1,340	1,423	1,675	153
Augusta–Richmond County, GA–SC	925	155	98	211	36
Austin–Round Rock, TX	3,822	285	390	259	27
Bakersfield, CA	739	262	190	101	4
Baltimore–Columbia–Towson, MD	5,411	3,132	1,149	1,729	157
Baton Rouge, LA	1,925	457	266	465	31
Birmingham–Hoover, AL	2,275	163	175	279	27
Boise City, ID	177	21	48	16	2
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	6,354	1,698	626	1,027	142
Boston Division	3,861	982	370	586	71
Cambridge Division	2,301	697	237	419	69
Bridgeport–Stamford–Norwalk, CT	843	455	61	303	26
Buffalo–Cheektowaga–Niagara Falls, NY	1,071	230	186	134	25
Cape Coral–Fort Myers, FL	859	90	98	330	14
Charleston–North Charleston, SC	1,293	143	129	244	15
Charlotte–Concord–Gastonia, NC–SC	4,001	409	286	690	42
Chattanooga, TN–GA	627	52	42	68	10
Chicago–Naperville–Elgin, IL–IN–WI	17,882	1,988	1,693	1,498	262
Chicago Division	16,552	1,819	1,549	1,309	239
Elgin Division	197	22	32	26	5
Gary Division	619	86	56	92	11
Lake County Division	515	61	57	71	7
Cincinnati, OH–KY–IN	2,433	137	181	204	26
Cleveland–Elyria, OH	3,117	244	241	297	29
Colorado Springs, CO	489	41	89	22	6
Columbia, SC	1,937	245	156	386	23
Columbus, OH	3,586	146	225	267	32
Dallas–Fort Worth–Arlington, TX	16,250	1,036	1,250	1,166	117
Dallas Division	13,356	654	890	791	75
Fort Worth Division	2,894	381	360	376	43
Dayton, OH	993	39	61	77	11
Deltona–Daytona Beach–Ormond Beach, FL	860	140	107	87	19
Denver–Aurora–Lakewood, CO	6,095	335	992	311	34
Des Moines–West Des Moines, IA	448	44	58	57	7
Detroit–Warren–Dearborn, MI	5,826	522	405	507	87
Detroit Division	3,790	417	295	375	59
Warren Division	2,036	104	110	132	28
Durham–Chapel Hill, NC	1,061	156	87	209	13
El Paso, TX	1,389	104	108	143	14
Fayetteville–Springdale–Rogers, AR	371	30	49	23	3
Fresno, CA	1,079	110	132	27	10
Grand Rapids–Wyoming, MI	648	38	60	65	11
Greensboro–High Point, NC	1,306	136	91	217	17
Greenville–Anderson–Mauldin, SC	1,057	94	96	150	10
Harrisburg–Carlisle, PA	532	150	50	121	10
Hartford–West Hartford–East Hartford, CT	1,013	716	107	281	28
Honolulu (Urban), HI	1,163	69	118	62	10

**Table 6b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Houston—The Woodlands—Sugar Land, TX	15,258	1,481	1,291	2,443	162
Indianapolis—Carmel—Anderson, IN	3,261	202	303	428	30
Jackson, MS	1,626	145	140	317	26
Jacksonville, FL	2,730	293	279	924	47
Kansas City, MO—KS	3,083	162	305	141	27
Knoxville, TN	666	46	58	57	10
Lakeland—Winter Haven, FL	811	125	89	389	12
Lancaster, PA	261	98	27	62	12
Las Vegas—Henderson—Paradise, NV	5,019	337	510	254	38
Lexington—Fayette, KY	710	55	59	58	6
Little Rock—North Little Rock—Conway, AR	1,328	106	81	86	11
Los Angeles—Long Beach—Anaheim, CA	41,531	1,765	3,416	1,226	231
Anaheim Division	4,633	307	306	131	31
Los Angeles Division	36,898	1,458	3,110	1,095	200
Louisville/Jefferson County, KY—IN	1,524	172	135	126	16
Madison, WI	466	23	59	30	7
McAllen—Edinburg—Mission, TX	668	78	41	128	3
Memphis, TN—MS—AR	3,373	151	155	796	44
Miami—Fort Lauderdale—West Palm Beach, FL	25,341	1,883	1,618	8,007	343
Fort Lauderdale Division	9,440	640	646	2,755	109
Miami Division	13,288	956	775	3,521	175
West Palm Beach Division	2,614	287	197	1,731	59
Milwaukee—Waukesha—West Allis, WI	1,887	171	149	172	17
Minneapolis—St. Paul—Bloomington, MN—WI	3,948	233	394	324	44
Modesto, CA	346	31	44	23	8
Nashville—Davidson—Murfreesboro—Franklin, TN	2,564	208	187	256	30
New Haven—Milford, CT	947	651	111	319	41
New Orleans—Metairie, LA	4,054	404	438	570	45
New York—Newark—Jersey City, NY—NJ—PA <sup>c</sup>	58,477	18,682	5,601	10,799	1,612
Nassau County Division	2,591	576	274	380	117
New York Division	51,184	15,555	4,827	8,894	1,317
Newark Division	4,347	2,296	417	1,421	155
North Port—Sarasota—Bradenton, FL	967	110	89	201	9
Ogden—Clearfield, UT	214	11	53	11	2
Oklahoma City, OK	1,671	135	231	115	20
Omaha—Council Bluffs, NE—IA	353	21	51	36	3
Orlando—Kissimmee—Sanford, FL	5,883	674	428	889	82
Oxnard—Thousand Oaks—Ventura, CA	641	43	48	43	12
Palm Bay—Melbourne—Titusville, FL	644	93	69	141	15
Philadelphia—Camden—Wilmington, PA—NJ—DE—MD	8,729	3,469	1,152	3,767	198
Camden Division	1,158	381	137	382	25
Montgomery Division	638	167	68	253	13
Philadelphia Division	6,157	2,587	833	2,833	142
Wilmington Division	776	334	114	299	19
Phoenix—Mesa—Scottsdale, AZ	7,545	699	977	403	75
Pittsburgh, PA	1,965	184	139	266	29
Portland—South Portland, ME	474	58	46	44	7
Portland—Vancouver—Hillsboro, OR—WA	3,711	225	544	141	42
Providence—Warwick, RI—MA	1,333	467	153	320	48
Provo—Orem, UT	114	14	17	5	7
Raleigh, NC	2,000	171	138	330	23

**Table 6b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Richmond, VA	2,210	297	175	403	32
Riverside–San Bernardino–Ontario, CA	5,375	386	481	346	33
Rochester, NY	1,213	372	169	198	27
Sacramento–Roseville–Arden–Arcade, CA	2,432	227	346	342	32
St. Louis, MO–IL	4,506	211	312	353	50
Salt Lake City, UT	1,131	119	254	60	22
San Antonio–New Braunfels, TX	4,261	367	343	281	27
San Diego–Carlsbad–San Marcos, CA	8,338	469	844	437	57
San Francisco–Oakland–Hayward, CA <sup>c</sup>	16,544	963	2,673	680	68
Oakland Division	4,948	326	435	411	38
San Francisco Division	11,102	535	2,162	220	26
San Jose–Sunnyvale–Santa Clara, CA	2,107	132	195	149	21
San Juan–Carolina–Caguas, PR	2,308	2,353	385	1,343	81
Santa Rosa, CA	850	40	128	45	10
Scranton–Wilkes-Barre–Hazleton, PA	241	63	34	87	8
Seattle–Tacoma–Bellevue, WA	5,963	318	819	373	58
Seattle Division	5,190	241	686	295	48
Tacoma Division	773	77	133	78	9
Spokane–Spokane Valley, WA	331	46	95	22	7
Springfield, MA	656	456	100	113	27
Stockton–Lodi, CA	631	178	120	125	11
Syracuse, NY	586	120	63	66	15
Tampa–St. Petersburg–Clearwater, FL	6,524	595	616	1,012	84
Toledo, OH	547	36	52	63	8
Tucson, AZ	1,486	163	221	113	22
Tulsa, OK	1,147	71	188	85	11
Virginia Beach–Norfolk–Newport News, VA–NC	2,926	286	182	401	38
Washington–Arlington–Alexandria, DC–VA–MD–WV	10,103	1,067	736	2,443	151
Silver Spring Division	1,558	149	105	643	32
Washington Division	8,546	917	630	1,800	119
Wichita, KS	515	38	110	38	4
Winston-Salem, NC	845	111	70	174	18
Worcester, MA–CT	593	396	83	132	32
Youngstown–Warren–Boardman, OH–PA	408	63	35	53	5
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>423,573</b>	<b>59,784</b>	<b>41,401</b>	<b>58,710</b>	<b>5,905</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>48,415</b>	<b>8,331</b>	<b>6,271</b>	<b>8,623</b>	<b>822</b>
<b>Nonmetropolitan areas</b>	<b>25,768</b>	<b>5,345</b>	<b>3,927</b>	<b>5,318</b>	<b>522</b>
<b>Total<sup>d</sup></b>	<b>527,061</b>	<b>78,351</b>	<b>54,861</b>	<b>77,509</b>	<b>7,746</b>

Note. Data have been statistically adjusted to account for missing transmission category. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Includes persons whose county of residence is unknown.

**Table 7a. Diagnoses of HIV infection among adult and adolescent females, by transmission category and metropolitan statistical area of residence, 2016—United States and Puerto Rico**

MSA of residence	Injection drug use	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.
Akron, OH	2	7	0
Albany–Schenectady–Troy, NY	2	6	0
Albuquerque, NM	2	3	0
Allentown–Bethlehem–Easton, PA–NJ	2	16	0
Atlanta–Sandy Springs–Roswell, GA	20	241	1
Augusta–Richmond County, GA–SC	1	24	0
Austin–Round Rock, TX	7	28	0
Bakersfield, CA	4	8	0
Baltimore–Columbia–Towson, MD	29	98	0
Baton Rouge, LA	9	67	0
Birmingham–Hoover, AL	3	29	0
Boise City, ID	0	—	1
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	30	88	1
Boston Division	13	49	1
Cambridge Division	18	38	0
Bridgeport–Stamford–Norwalk, CT	1	17	0
Buffalo–Cheektowaga–Niagara Falls, NY	7	18	0
Cape Coral–Fort Myers, FL	1	21	0
Charleston–North Charleston, SC	1	19	0
Charlotte–Concord–Gastonia, NC–SC	4	70	1
Chattanooga, TN–GA	1	11	0
Chicago–Naperville–Elgin, IL–IN–WI	31	178	6
Chicago Division	27	154	5
Elgin Division	0	6	0
Gary Division	3	11	0
Lake County Division	1	8	0
Cincinnati, OH–KY–IN	14	35	1
Cleveland–Elyria, OH	5	41	0
Colorado Springs, CO	2	4	0
Columbia, SC	3	22	0
Columbus, OH	12	36	0
Dallas–Fort Worth–Arlington, TX	34	175	0
Dallas Division	27	127	0
Fort Worth Division	7	48	0
Dayton, OH	2	15	0
Deltona–Daytona Beach–Ormond Beach, FL	9	12	0
Denver–Aurora–Lakewood, CO	8	28	1
Des Moines–West Des Moines, IA	0	11	0
Detroit–Warren–Dearborn, MI	16	58	1
Detroit Division	10	43	0
Warren Division	6	16	1
Durham–Chapel Hill, NC	2	15	0
El Paso, TX	0	6	0
Fayetteville–Springdale–Rogers, AR	1	2	0
Fresno, CA	3	14	0
Grand Rapids–Wyoming, MI	1	9	0
Greensboro–High Point, NC	3	27	0
Greenville–Anderson–Mauldin, SC	2	17	0
Harrisburg–Carlisle, PA	2	11	0
Hartford–West Hartford–East Hartford, CT	5	13	0
Honolulu (Urban), HI	2	5	0

**Table 7a. Diagnoses of HIV infection among adult and adolescent females, by transmission category and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)**

MSA of residence	Injection drug use	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	39	269	2
Indianapolis–Carmel–Anderson, IN	5	45	0
Jackson, MS	0	33	0
Jacksonville, FL	7	80	0
Kansas City, MO–KS	5	34	0
Knoxville, TN	2	9	0
Lakeland–Winter Haven, FL	2	33	0
Lancaster, PA	0	7	0
Las Vegas–Henderson–Paradise, NV	9	57	0
Lexington–Fayette, KY	1	11	0
Little Rock–North Little Rock–Conway, AR	0	17	1
Los Angeles–Long Beach–Anaheim, CA	37	183	1
Anaheim Division	5	22	0
Los Angeles Division	32	161	1
Louisville/Jefferson County, KY–IN	7	25	0
Madison, WI	1	3	0
McAllen–Edinburg–Mission, TX	1	6	0
Memphis, TN–MS–AR	1	58	0
Miami–Fort Lauderdale–West Palm Beach, FL	28	462	1
Fort Lauderdale Division	13	156	1
Miami Division	8	224	0
West Palm Beach Division	8	82	0
Milwaukee–Waukesha–West Allis, WI	2	18	0
Minneapolis–St. Paul–Bloomington, MN–WI	4	51	2
Modesto, CA	1	7	0
Nashville–Davidson–Murfreesboro–Franklin, TN	4	27	0
New Haven–Milford, CT	3	13	1
New Orleans–Metairie, LA	9	79	0
New York–Newark–Jersey City, NY–NJ–PA <sup>c</sup>	91	655	3
Nassau County Division	6	35	0
New York Division	75	503	2
Newark Division	10	110	1
North Port–Sarasota–Bradenton, FL	1	10	0
Ogden–Clearfield, UT	0	1	0
Oklahoma City, OK	4	25	0
Omaha–Council Bluffs, NE–IA	1	8	0
Orlando–Kissimmee–Sanford, FL	10	124	0
Oxnard–Thousand Oaks–Ventura, CA	1	3	0
Palm Bay–Melbourne–Titusville, FL	3	12	0
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	22	174	1
Camden Division	5	20	0
Montgomery Division	2	11	0
Philadelphia Division	14	124	1
Wilmington Division	1	19	0
Phoenix–Mesa–Scottsdale, AZ	19	64	0
Pittsburgh, PA	6	21	0
Portland–South Portland, ME	2	8	0
Portland–Vancouver–Hillsboro, OR–WA	2	13	0
Providence–Warwick, RI–MA	5	22	0
Provo–Orem, UT	0	2	0
Raleigh, NC	4	33	1

**Table 7a. Diagnoses of HIV infection among adult and adolescent females, by transmission category and metropolitan statistical area of residence, 2016—United States and Puerto Rico (cont)**

MSA of residence	Injection drug use	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.
Richmond, VA	3	30	0
Riverside–San Bernardino–Ontario, CA	4	40	0
Rochester, NY	3	8	0
Sacramento–Roseville–Arden–Arcade, CA	4	22	1
St. Louis, MO–IL	5	50	0
Salt Lake City, UT	3	13	0
San Antonio–New Braunfels, TX	8	35	0
San Diego–Carlsbad–San Marcos, CA	8	48	0
San Francisco–Oakland–Hayward, CA <sup>c</sup>	23	92	1
Oakland Division	11	62	1
San Francisco Division	11	26	0
San Jose–Sunnyvale–Santa Clara, CA	1	18	0
San Juan–Carolina–Caguas, PR	7	80	0
Santa Rosa, CA	0	3	0
Scranton–Wilkes-Barre–Hazleton, PA	0	5	0
Seattle–Tacoma–Bellevue, WA	9	52	2
Seattle Division	6	43	2
Tacoma Division	2	10	0
Spokane–Spokane Valley, WA	2	6	0
Springfield, MA	3	6	0
Stockton–Lodi, CA	4	8	0
Syracuse, NY	1	5	0
Tampa–St. Petersburg–Clearwater, FL	12	92	0
Toledo, OH	0	3	0
Tucson, AZ	0	9	0
Tulsa, OK	1	10	0
Virginia Beach–Norfolk–Newport News, VA–NC	5	53	0
Washington–Arlington–Alexandria, DC–VA–MD–WV	21	291	1
Silver Spring Division	2	82	0
Washington Division	18	209	1
Wichita, KS	0	7	0
Winston-Salem, NC	1	15	0
Worcester, MA–CT	5	19	0
Youngstown–Warren–Boardman, OH–PA	1	5	0
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>759</b>	<b>5,224</b>	<b>36</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>142</b>	<b>899</b>	<b>5</b>
<b>Nonmetropolitan areas</b>	<b>71</b>	<b>416</b>	<b>4</b>
<b>Total<sup>d</sup></b>	<b>977</b>	<b>6,596</b>	<b>45</b>

Note. Data have been statistically adjusted to account for missing transmission category. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Includes persons whose county of residence is unknown.

**Table 7b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico**

MSA of residence	Injection drug use	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.
Akron, OH	25	145	2
Albany–Schenectady–Troy, NY	185	386	29
Albuquerque, NM	44	112	6
Allentown–Bethlehem–Easton, PA–NJ	143	357	16
Atlanta–Sandy Springs–Roswell, GA	949	5,490	166
Augusta–Richmond County, GA–SC	136	593	23
Austin–Round Rock, TX	205	608	18
Bakersfield, CA	58	156	8
Baltimore–Columbia–Towson, MD	2,154	3,831	182
Baton Rouge, LA	356	1,428	33
Birmingham–Hoover, AL	148	835	16
Boise City, ID	14	35	4
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	1,093	2,541	125
Boston Division	609	1,356	64
Cambridge Division	468	1,149	59
Bridgeport–Stamford–Norwalk, CT	258	617	25
Buffalo–Cheektowaga–Niagara Falls, NY	173	526	13
Cape Coral–Fort Myers, FL	83	527	16
Charleston–North Charleston, SC	106	529	18
Charlotte–Concord–Gastonia, NC–SC	405	1,733	52
Chattanooga, TN–GA	40	203	6
Chicago–Naperville–Elgin, IL–IN–WI	1,402	4,219	206
Chicago Division	1,287	3,747	190
Elgin Division	21	70	2
Gary Division	51	219	8
Lake County Division	43	183	7
Cincinnati, OH–KY–IN	151	621	17
Cleveland–Elyria, OH	183	831	34
Colorado Springs, CO	45	92	9
Columbia, SC	179	900	16
Columbus, OH	169	825	22
Dallas–Fort Worth–Arlington, TX	959	4,144	114
Dallas Division	657	3,179	73
Fort Worth Division	302	965	42
Dayton, OH	40	249	9
Deltona–Daytona Beach–Ormond Beach, FL	136	384	15
Denver–Aurora–Lakewood, CO	252	736	28
Des Moines–West Des Moines, IA	25	132	1
Detroit–Warren–Dearborn, MI	506	1,575	58
Detroit Division	400	1,167	37
Warren Division	106	409	21
Durham–Chapel Hill, NC	131	452	11
El Paso, TX	44	210	9
Fayetteville–Springdale–Rogers, AR	23	87	5
Fresno, CA	103	179	10
Grand Rapids–Wyoming, MI	36	199	14
Greensboro–High Point, NC	127	606	14
Greenville–Anderson–Mauldin, SC	80	369	4
Harrisburg–Carlisle, PA	84	238	11
Hartford–West Hartford–East Hartford, CT	386	646	37
Honolulu (Urban), HI	52	146	9

**Table 7b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	Injection drug use	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.
Houston—The Woodlands—Sugar Land, TX	1,191	5,602	152
Indianapolis—Carmel—Anderson, IN	145	857	31
Jackson, MS	172	870	22
Jacksonville, FL	302	1,926	49
Kansas City, MO—KS	120	577	10
Knoxville, TN	50	173	8
Lakeland—Winter Haven, FL	113	579	26
Lancaster, PA	72	169	7
Las Vegas—Henderson—Paradise, NV	239	965	30
Lexington—Fayette, KY	30	126	5
Little Rock—North Little Rock—Conway, AR	68	354	13
Los Angeles—Long Beach—Anaheim, CA	1,229	4,768	236
Anaheim Division	138	568	25
Los Angeles Division	1,091	4,200	212
Louisville/Jefferson County, KY—IN	146	297	10
Madison, WI	14	92	5
McAllen—Edinburg—Mission, TX	21	177	8
Memphis, TN—MS—AR	147	1,911	31
Miami—Fort Lauderdale—West Palm Beach, FL	1,546	12,901	433
Fort Lauderdale Division	519	4,422	155
Miami Division	758	5,944	199
West Palm Beach Division	269	2,535	79
Milwaukee—Waukesha—West Allis, WI	131	495	15
Minneapolis—St. Paul—Bloomington, MN—WI	208	1,275	48
Modesto, CA	32	68	8
Nashville—Davidson—Murfreesboro—Franklin, TN	175	727	15
New Haven—Milford, CT	415	670	25
New Orleans—Metairie, LA	368	1,481	46
New York—Newark—Jersey City, NY—NJ—PA <sup>c</sup>	12,306	27,194	1,662
Nassau County Division	435	1,299	98
New York Division	10,127	22,463	1,396
Newark Division	1,665	3,263	157
North Port—Sarasota—Bradenton, FL	103	405	17
Ogden—Clearfield, UT	14	40	3
Oklahoma City, OK	112	319	13
Omaha—Council Bluffs, NE—IA	20	98	1
Orlando—Kissimmee—Sanford, FL	447	2,314	95
Oxnard—Thousand Oaks—Ventura, CA	25	103	4
Palm Bay—Melbourne—Titusville, FL	85	366	20
Philadelphia—Camden—Wilmington, PA—NJ—DE—MD	2,024	5,194	185
Camden Division	242	611	32
Montgomery Division	84	284	10
Philadelphia Division	1,464	3,750	119
Wilmington Division	233	549	23
Phoenix—Mesa—Scottsdale, AZ	410	1,138	48
Pittsburgh, PA	125	500	17
Portland—South Portland, ME	45	113	4
Portland—Vancouver—Hillsboro, OR—WA	119	427	17
Providence—Warwick, RI—MA	375	602	19
Provo—Orem, UT	4	20	2
Raleigh, NC	173	712	28



**Table 7b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States and Puerto Rico (cont)**

MSA of residence	Injection drug use	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.
Richmond, VA	201	877	30
Riverside–San Bernardino–Ontario, CA	236	743	32
Rochester, NY	317	534	23
Sacramento–Roseville–Arden–Arcade, CA	157	512	16
St. Louis, MO–IL	196	1,114	23
Salt Lake City, UT	78	198	4
San Antonio–New Braunfels, TX	212	675	28
San Diego–Carlsbad–San Marcos, CA	231	876	44
San Francisco–Oakland–Hayward, CA <sup>c</sup>	738	1,510	66
Oakland Division	296	930	37
San Francisco Division	427	519	26
San Jose–Sunnyvale–Santa Clara, CA	62	310	19
San Juan–Carolina–Caguas, PR	666	2,015	66
Santa Rosa CA	29	97	8
Scranton–Wilkes-Barre–Hazleton, PA	54	131	7
Seattle–Tacoma–Bellevue, WA	256	896	56
Seattle Division	176	722	49
Tacoma Division	80	174	7
Spokane–Spokane Valley, WA	28	45	4
Springfield, MA	262	446	23
Stockton–Lodi, CA	55	164	4
Syracuse, NY	92	261	5
Tampa–St. Petersburg–Clearwater, FL	541	2,387	88
Toledo, OH	28	215	9
Tucson, AZ	90	235	21
Tulsa, OK	66	213	12
Virginia Beach–Norfolk–Newport News, VA–NC	254	1,207	42
Washington–Arlington–Alexandria, DC–VA–MD–WV	878	5,372	154
Silver Spring Division	128	1,337	26
Washington Division	750	4,035	129
Wichita, KS	32	120	5
Winston-Salem, NC	111	430	11
Worcester, MA–CT	229	441	25
Youngstown–Warren–Boardman, OH–PA	40	146	7
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>41,142</b>	<b>137,265</b>	<b>5,610</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>5,210</b>	<b>19,496</b>	<b>671</b>
<b>Nonmetropolitan areas</b>	<b>2,627</b>	<b>9,983</b>	<b>397</b>
<b>Total<sup>d</sup></b>	<b>52,135</b>	<b>176,693</b>	<b>7,068</b>

Note. Data have been statistically adjusted to account for missing transmission category. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Includes persons whose county of residence is unknown.

**Table 8a. Diagnoses of HIV infection among black/African American adults and adolescents, by transmission category and metropolitan statistical area of residence, 2016—United States**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Akron, OH	22	1	0	9	0
Albany–Schenectady–Troy, NY	12	2	0	7	0
Albuquerque, NM	1	0	0	1	0
Allentown–Bethlehem–Easton, PA–NJ	5	1	0	7	0
Atlanta–Sandy Springs–Roswell, GA	813	34	10	274	2
Augusta–Richmond County, GA–SC	45	1	1	28	0
Austin–Round Rock, TX	43	5	1	14	0
Bakersfield, CA	12	2	1	8	0
Baltimore–Columbia–Towson, MD	156	39	44	123	0
Baton Rouge, LA	99	15	4	76	0
Birmingham–Hoover, AL	75	2	2	27	0
Boise City, ID	0	0	0	2	1
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	58	14	2	75	1
Boston Division	43	9	2	49	1
Cambridge Division	15	5	0	25	0
Bridgeport–Stamford–Norwalk, CT	15	4	0	16	0
Buffalo–Cheektowaga–Niagara Falls, NY	26	1	1	15	0
Cape Coral–Fort Myers, FL	8	1	0	20	0
Charleston–North Charleston, SC	51	2	0	23	0
Charlotte–Concord–Gastonia, NC–SC	182	7	1	71	0
Chattanooga, TN–GA	18	1	0	8	0
Chicago–Naperville–Elgin, IL–IN–WI <sup>c</sup>	470	35	16	167	8
Chicago Division	422	32	16	149	8
Elgin Division	10	1	0	3	0
Gary Division	25	2	0	9	0
Lake County Division	12	0	0	5	0
Cincinnati, OH–KY–IN	61	4	3	29	1
Cleveland–Elyria, OH	112	4	7	38	0
Colorado Springs, CO	2	0	0	5	0
Columbia, SC	88	5	2	23	0
Columbus, OH	73	4	3	39	1
Dallas–Fort Worth–Arlington, TX <sup>c</sup>	410	27	9	146	2
Dallas Division	307	22	8	103	2
Fort Worth Division	103	5	1	42	0
Dayton, OH	20	1	0	12	0
Deltona–Daytona Beach–Ormond Beach, FL	22	6	3	7	0
Denver–Aurora–Lakewood, CO	22	3	3	16	1
Des Moines–West Des Moines, IA	5	0	0	9	0
Detroit–Warren–Dearborn, MI	247	14	8	59	1
Detroit Division	198	9	6	47	0
Warren Division	49	5	2	12	1
Durham–Chapel Hill, NC	51	1	1	18	0
El Paso, TX	2	0	0	2	0
Fayetteville–Springdale–Rogers, AR	2	0	0	1	0
Fresno, CA	9	0	0	1	0
Grand Rapids–Wyoming, MI	8	0	1	6	0
Greensboro–High Point, NC	84	4	3	33	0
Greenville–Anderson–Mauldin, SC	43	1	1	16	0
Harrisburg–Carlisle, PA	9	3	1	7	0
Hartford–West Hartford–East Hartford, CT	13	3	1	15	0
Honolulu (Urban), HI	5	0	0	6	0

**Table 8a. Diagnoses of HIV infection among black/African American adults and adolescents, by transmission category and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	399	36	5	220	2
Indianapolis–Carmel–Anderson, IN	66	2	5	50	0
Jackson, MS	68	1	1	58	0
Jacksonville, FL	90	1	3	102	0
Kansas City, MO–KS	46	4	0	23	0
Knoxville, TN	10	0	0	7	0
Lakeland–Winter Haven, FL	26	1	0	37	0
Lancaster, PA	3	1	0	5	0
Las Vegas–Henderson–Paradise, NV	98	10	6	43	0
Lexington–Fayette, KY	12	1	0	10	0
Little Rock–North Little Rock–Conway, AR	71	0	0	11	0
Los Angeles–Long Beach–Anaheim, CA <sup>c</sup>	377	24	10	86	0
Anaheim Division	13	0	0	6	0
Los Angeles Division	363	24	10	80	0
Louisville/Jefferson County, KY–IN	50	3	2	21	0
Madison, WI	11	1	0	2	0
McAllen–Edinburg–Mission, TX	1	0	0	1	—
Memphis, TN–MS–AR	152	1	1	118	0
Miami–Fort Lauderdale–West Palm Beach, FL	330	20	7	542	4
Fort Lauderdale Division	126	10	1	222	3
Miami Division	147	7	5	217	0
West Palm Beach Division	57	3	1	103	1
Milwaukee–Waukesha–West Allis, WI	61	2	2	16	0
Minneapolis–St. Paul–Bloomington, MN–WI	52	5	2	57	2
Modesto, CA	1	1	0	0	0
Nashville–Davidson–Murfreesboro–Franklin, TN	61	0	2	29	0
New Haven–Milford, CT	17	3	0	18	0
New Orleans–Metairie, LA	177	17	6	85	0
New York–Newark–Jersey City, NY–NJ–PA <sup>c</sup>	651	117	16	531	2
Nassau County Division	22	4	0	17	0
New York Division	525	94	13	394	1
Newark Division	100	20	3	116	0
North Port–Sarasota–Bradenton, FL	10	1	1	12	0
Ogden–Clearfield, UT	1	0	0	0	—
Oklahoma City, OK	28	1	1	18	0
Omaha–Council Bluffs, NE–IA	7	0	0	8	0
Orlando–Kissimmee–Sanford, FL	103	5	2	124	0
Oxnard–Thousand Oaks–Ventura, CA	0	0	0	0	0
Palm Bay–Melbourne–Titusville, FL	8	1	0	12	0
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD <sup>c</sup>	249	13	2	211	1
Camden Division	33	3	0	18	0
Montgomery Division	10	0	0	14	0
Philadelphia Division	180	7	2	155	1
Wilmington Division	25	3	0	24	0
Phoenix–Mesa–Scottsdale, AZ	69	6	1	42	0
Pittsburgh, PA	49	4	1	14	0
Portland–South Portland, ME	2	2	0	8	0
Portland–Vancouver–Hillsboro, OR–WA	5	0	1	4	0
Providence–Warwick, RI–MA	6	2	0	14	0
Provo–Orem, UT	0	0	0	2	0
Raleigh, NC	63	5	3	37	1
Richmond, VA	87	8	1	33	0

**Table 8a. Diagnoses of HIV infection among black/African American adults and adolescents, by transmission category and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Riverside–San Bernardino–Ontario, CA	59	3	1	21	0
Rochester, NY	14	2	0	8	0
Sacramento–Roseville–Arden–Arcade, CA	26	5	2	14	1
St. Louis, MO–IL	139	5	1	55	0
Salt Lake City, UT	8	1	1	8	0
San Antonio–New Braunfels, TX	27	3	0	18	0
San Diego–Carlsbad–San Marcos, CA	41	3	2	13	0
San Francisco–Oakland–Hayward, CA <sup>c</sup>	93	13	5	53	1
Oakland Division	69	7	2	42	1
San Francisco Division	22	6	2	10	0
San Jose–Sunnyvale–Santa Clara, CA	8	1	0	5	0
San Juan–Carolina–Caguas, PR <sup>d</sup>	—	—	—	—	—
Santa Rosa, CA	1	0	0	1	0
Scranton–Wilkes-Barre–Hazleton, PA	0	0	0	4	0
Seattle–Tacoma–Bellevue, WA <sup>c</sup>	28	4	1	38	2
Seattle Division	21	3	0	32	2
Tacoma Division	7	1	1	7	0
Spokane–Spokane Valley, WA	1	1	0	4	0
Springfield, MA	12	5	0	3	0
Stockton–Lodi, CA	9	1	0	5	0
Syracuse, NY	7	1	0	5	0
Tampa–St. Petersburg–Clearwater, FL	110	5	5	79	0
Toledo, OH	19	1	1	2	0
Tucson, AZ	6	0	1	5	0
Tulsa, OK	7	1	1	5	0
Virginia Beach–Norfolk–Newport News, VA–NC	133	6	2	59	0
Washington–Arlington–Alexandria, DC–VA–MD–WV <sup>c</sup>	359	35	19	360	1
Silver Spring Division	29	3	0	96	0
Washington Division	330	31	19	264	1
Wichita, KS	6	0	0	4	0
Winston-Salem, NC	44	1	0	13	0
Worcester, MA–CT	2	3	0	16	0
Youngstown–Warren–Boardman, OH–PA	10	1	0	1	0
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>8,077</b>	<b>647</b>	<b>258</b>	<b>4,861</b>	<b>39</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>1,182</b>	<b>99</b>	<b>34</b>	<b>800</b>	<b>3</b>
<b>Nonmetropolitan areas</b>	<b>530</b>	<b>39</b>	<b>18</b>	<b>384</b>	<b>2</b>
<b>Total<sup>e</sup></b>	<b>9,936</b>	<b>794</b>	<b>314</b>	<b>6,110</b>	<b>45</b>

Note. Data have been statistically adjusted to account for missing transmission category. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data excludes 945 persons whose race/ethnicity is unknown.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>e</sup> Includes persons whose county of residence is unknown.

**Table 8b. Diagnoses of HIV infection among Hispanic/Latino adults and adolescents, by transmission category and metropolitan statistical area of residence, 2016—United States**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Akron, OH	6	0	—	0	—
Albany–Schenectady–Troy, NY	7	1	0	1	0
Albuquerque, NM	34	5	4	3	0
Allentown–Bethlehem–Easton, PA–NJ	8	3	0	8	0
Atlanta–Sandy Springs–Roswell, GA	100	3	1	14	0
Augusta–Richmond County, GA–SC	2	0	0	0	—
Austin–Round Rock, TX	106	4	3	13	0
Bakersfield, CA	43	5	4	8	0
Baltimore–Columbia–Towson, MD	21	4	2	10	0
Baton Rouge, LA	9	0	0	6	0
Birmingham–Hoover, AL	10	0	0	2	0
Boise City, ID	3	0	1	0	0
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	56	18	4	33	0
Boston Division	29	9	2	15	0
Cambridge Division	27	8	1	18	0
Bridgeport–Stamford–Norwalk, CT	16	3	1	5	0
Buffalo–Cheektowaga–Niagara Falls, NY	9	2	1	3	0
Cape Coral–Fort Myers, FL	24	0	0	14	0
Charleston–North Charleston, SC	4	0	0	2	0
Charlotte–Concord–Gastonia, NC–SC	28	2	1	7	0
Chattanooga, TN–GA	3	0	0	1	—
Chicago–Naperville–Elgin, IL–IN–WI <sup>c</sup>	225	12	7	40	2
Chicago Division	197	9	7	34	2
Elgin Division	12	0	0	3	0
Gary Division	5	2	0	2	0
Lake County Division	12	0	0	1	0
Cincinnati, OH–KY–IN	5	1	0	2	0
Cleveland–Elyria, OH	5	0	0	4	0
Colorado Springs, CO	8	1	2	0	0
Columbia, SC	8	0	0	5	0
Columbus, OH	12	0	0	1	0
Dallas–Fort Worth–Arlington, TX <sup>c</sup>	292	18	10	54	0
Dallas Division	237	15	8	37	0
Fort Worth Division	55	4	2	16	0
Dayton, OH	3	0	—	0	—
Deltona–Daytona Beach–Ormond Beach, FL	9	2	2	1	0
Denver–Aurora–Lakewood, CO	95	4	7	7	0
Des Moines–West Des Moines, IA	2	0	0	0	0
Detroit–Warren–Dearborn, MI <sup>c</sup>	19	1	3	2	0
Detroit Division	12	1	2	2	0
Warren Division	8	0	1	0	0
Durham–Chapel Hill, NC	7	0	0	0	0
El Paso, TX	72	4	3	6	0
Fayetteville–Springdale–Rogers, AR	6	0	0	0	—
Fresno, CA	61	6	0	10	0
Grand Rapids–Wyoming, MI	5	0	0	1	0
Greensboro–High Point, NC	9	0	0	1	0
Greenville–Anderson–Mauldin, SC	7	0	0	3	0
Harrisburg–Carlisle, PA	11	2	0	3	0
Hartford–West Hartford–East Hartford, CT	15	4	0	5	0
Honolulu (Urban), HI	6	0	0	1	0

**Table 8b. Diagnoses of HIV infection among Hispanic/Latino adults and adolescents, by transmission category and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Houston—The Woodlands—Sugar Land, TX	399	17	14	96	0
Indianapolis—Carmel—Anderson, IN	17	0	1	8	0
Jackson, MS	1	0	0	1	—
Jacksonville, FL	19	0	0	7	0
Kansas City, MO—KS	28	2	0	7	0
Knoxville, TN	1	0	0	1	0
Lakeland—Winter Haven, FL	11	2	0	11	0
Lancaster, PA	5	0	0	0	0
Las Vegas—Henderson—Paradise, NV	120	4	4	16	0
Lexington—Fayette KY	6	0	0	0	0
Little Rock—North Little Rock—Conway, AR	9	2	0	2	0
Los Angeles—Long Beach—Anaheim, CA	925	34	32	82	0
Anaheim Division	143	9	7	9	0
Los Angeles Division	782	25	25	73	0
Louisville/Jefferson County, KY—IN	15	0	1	7	0
Madison, WI	2	0	0	0	0
McAllen—Edinburg—Mission, TX	64	5	2	7	0
Memphis, TN—MS—AR	5	0	0	2	0
Miami—Fort Lauderdale—West Palm Beach, FL <sup>c</sup>	835	10	14	155	0
Fort Lauderdale Division	154	2	3	29	0
Miami Division	646	6	8	108	0
West Palm Beach Division	35	2	2	19	0
Milwaukee—Waukesha—West Allis, WI	14	0	0	1	0
Minneapolis—St. Paul—Bloomington, MN—WI	17	0	1	1	0
Modesto, CA	8	1	1	4	0
Nashville—Davidson—Murfreesboro—Franklin, TN	9	0	0	6	0
New Haven—Milford, CT	14	3	0	4	1
New Orleans—Metairie, LA	29	1	0	9	0
New York—Newark—Jersey City, NY—NJ—PA <sup>c</sup>	855	77	27	287	1
Nassau County Division	57	5	5	15	0
New York Division	714	65	21	235	1
Newark Division	81	7	1	36	0
North Port—Sarasota—Bradenton, FL	4	0	0	1	0
Ogden—Clearfield, UT	1	0	0	0	0
Oklahoma City, OK	15	2	1	2	0
Omaha—Council Bluffs, NE—IA	8	0	2	1	—
Orlando—Kissimmee—Sanford, FL	166	5	3	38	0
Oxnard—Thousand Oaks—Ventura, CA	17	0	0	1	0
Palm Bay—Melbourne—Titusville, FL	4	0	0	1	0
Philadelphia—Camden—Wilmington, PA—NJ—DE—MD <sup>c</sup>	77	14	3	38	0
Camden Division	12	3	0	8	0
Montgomery Division	5	0	0	4	0
Philadelphia Division	57	12	3	22	0
Wilmington Division	2	0	0	4	0
Phoenix—Mesa—Scottsdale, AZ	169	18	12	15	1
Pittsburgh, PA	9	1	1	1	0
Portland—South Portland, ME	1	0	0	0	—
Portland—Vancouver—Hillsboro, OR—WA	28	0	2	1	0
Providence—Warwick, RI—MA	16	1	2	4	0
Provo—Orem, UT	4	1	0	0	0
Raleigh, NC	30	1	0	6	0

**Table 8b. Diagnoses of HIV infection among Hispanic/Latino adults and adolescents, by transmission category and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Richmond, VA	13	0	0	4	0
Riverside–San Bernardino–Ontario, CA	204	12	10	24	0
Rochester, NY	7	1	1	4	0
Sacramento–Roseville–Arden–Arcade, CA	57	3	3	5	0
St. Louis, MO–IL	6	1	1	2	0
Salt Lake City, UT	21	1	1	2	0
San Antonio–New Braunfels, TX	215	18	5	20	0
San Diego–Carlsbad–San Marcos, CA	172	8	7	43	0
San Francisco–Oakland–Hayward, CA <sup>c</sup>	183	10	9	29	0
Oakland Division	104	6	0	14	0
San Francisco Division	76	4	8	15	0
San Jose–Sunnyvale–Santa Clara, CA	43	2	4	11	0
San Juan–Carolina–Caguas, PR <sup>d</sup>	—	—	—	—	—
Santa Rosa, CA	12	1	0	2	0
Scranton–Wilkes-Barre–Hazleton, PA	4	1	0	1	0
Seattle–Tacoma–Bellevue, WA	45	0	2	9	0
Seattle Division	39	0	2	9	0
Tacoma Division	6	0	0	0	0
Spokane–Spokane Valley, WA	0	0	0	1	0
Springfield, MA	12	5	0	4	0
Stockton–Lodi, CA	14	3	1	1	0
Syracuse, NY	3	1	1	1	0
Tampa–St. Petersburg–Clearwater, FL	88	2	5	22	0
Toledo, OH	3	0	0	2	0
Tucson, AZ	37	2	2	3	0
Tulsa, OK	10	0	0	1	0
Virginia Beach–Norfolk–Newport News, VA–NC	18	1	1	4	0
Washington–Arlington–Alexandria, DC–VA–MD–WV	110	3	7	39	0
Silver Spring Division	20	1	4	8	0
Washington Division	90	2	3	31	0
Wichita, KS	1	0	0	0	0
Winston-Salem, NC	10	1	0	3	0
Worcester, MA–CT	13	3	0	3	0
Youngstown–Warren–Boardman, OH–PA	0	0	0	1	0
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>6,623</b>	<b>381</b>	<b>243</b>	<b>1,340</b>	<b>7</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>514</b>	<b>43</b>	<b>34</b>	<b>158</b>	<b>1</b>
<b>Nonmetropolitan areas</b>	<b>200</b>	<b>27</b>	<b>16</b>	<b>72</b>	<b>1</b>
<b>Total<sup>e</sup></b>	<b>7,375</b>	<b>454</b>	<b>294</b>	<b>1,582</b>	<b>9</b>

Note. Data have been statistically adjusted to account for missing transmission category. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data excludes 945 persons whose race/ethnicity is unknown.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

Hispanics/Latinos can be of any race.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>e</sup> Includes persons whose county of residence is unknown.

**Table 8c. Diagnoses of HIV infection among white adults and adolescents, by transmission category and metropolitan statistical area of residence, 2016—United States**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Akron, OH	15	1	2	4	0
Albany–Schenectady–Troy, NY	13	0	1	0	0
Albuquerque, NM	14	1	0	1	0
Allentown–Bethlehem–Easton, PA–NJ	10	3	1	3	0
Atlanta–Sandy Springs–Roswell, GA	156	6	11	29	0
Augusta–Richmond County, GA–SC	8	1	0	6	0
Austin–Round Rock, TX	90	7	8	8	0
Bakersfield, CA	10	3	2	3	0
Baltimore–Columbia–Towson, MD	50	22	5	19	0
Baton Rouge, LA	25	3	1	7	0
Birmingham–Hoover, AL	37	2	0	2	0
Boise City, ID	9	0	0	0	0
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	111	37	7	9	0
Boston Division	49	14	4	5	0
Cambridge Division	55	22	3	4	0
Bridgeport–Stamford–Norwalk, CT	16	1	1	2	0
Buffalo–Cheektowaga–Niagara Falls, NY	15	5	2	4	0
Cape Coral–Fort Myers, FL	19	1	2	7	0
Charleston–North Charleston, SC	20	2	0	6	0
Charlotte–Concord–Gastonia, NC–SC	62	2	8	13	1
Chattanooga, TN–GA	17	1	0	6	0
Chicago–Naperville–Elgin, IL–IN–WI <sup>c</sup>	194	11	7	27	2
Chicago Division	166	8	6	20	1
Elgin Division	8	0	0	3	0
Gary Division	10	1	1	2	0
Lake County Division	11	1	0	3	0
Cincinnati, OH–KY–IN	56	21	3	11	0
Cleveland–Elyria, OH	43	6	4	5	0
Colorado Springs, CO	13	2	6	0	0
Columbia, SC	19	5	0	6	0
Columbus, OH	60	15	9	6	0
Dallas–Fort Worth–Arlington, TX <sup>c</sup>	258	15	10	36	0
Dallas Division	194	12	10	25	0
Fort Worth Division	63	4	0	11	0
Dayton, OH	17	4	1	3	0
Deltona–Daytona Beach–Ormond Beach, FL	21	11	2	5	0
Denver–Aurora–Lakewood, CO	88	12	23	13	0
Des Moines–West Des Moines, IA	15	0	0	1	0
Detroit–Warren–Dearborn, MI <sup>c</sup>	105	10	6	12	1
Detroit Division	37	7	3	5	0
Warren Division	68	3	3	8	1
Durham–Chapel Hill, NC	15	1	0	2	0
El Paso, TX	1	0	0	0	0
Fayetteville–Springdale–Rogers, AR	15	1	0	2	0
Fresno, CA	25	4	3	4	0
Grand Rapids–Wyoming, MI	15	2	2	1	0
Greensboro–High Point, NC	8	2	1	5	0
Greenville–Anderson–Mauldin, SC	17	1	1	3	0
Harrisburg–Carlisle, PA	21	0	0	1	0
Hartford–West Hartford–East Hartford, CT	14	1	0	0	0
Honolulu (Urban), HI	12	0	0	3	0



**Table 8c. Diagnoses of HIV infection among white adults and adolescents, by transmission category and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	169	15	8	29	0
Indianapolis–Carmel–Anderson, IN	45	6	8	14	0
Jackson, MS	10	0	0	5	0
Jacksonville, FL	48	13	3	31	0
Kansas City, MO–KS	79	3	8	4	0
Knoxville, TN	24	4	5	9	0
Lakeland–Winter Haven, FL	17	2	1	9	0
Lancaster, PA	11	2	1	2	0
Las Vegas–Henderson–Paradise, NV	94	11	11	12	0
Lexington–Fayette, KY	17	0	3	4	0
Little Rock–North Little Rock–Conway, AR	34	1	2	8	0
Los Angeles–Long Beach–Anaheim, CA	391	22	18	27	0
Anaheim Division	89	5	6	5	0
Los Angeles Division	302	17	12	22	0
Louisville/Jefferson County, KY–IN	55	25	3	8	0
Madison, WI	8	1	0	0	0
McAllen–Edinburg–Mission, TX	3	0	0	0	0
Memphis, TN–MS–AR	14	1	0	5	0
Miami–Fort Lauderdale–West Palm Beach, FL	232	28	11	66	0
Fort Lauderdale Division	124	16	9	22	0
Miami Division	67	7	1	27	0
West Palm Beach Division	41	5	1	17	0
Milwaukee–Waukesha–West Allis, WI	13	1	2	3	0
Minneapolis–St. Paul–Bloomington, MN–WI	61	4	18	11	0
Modesto, CA	6	1	0	3	0
Nashville–Davidson–Murfreesboro–Franklin, TN	60	7	6	10	0
New Haven–Milford, CT	18	0	0	1	0
New Orleans–Metairie, LA	63	7	4	10	0
New York–Newark–Jersey City, NY–NJ–PA <sup>c</sup>	387	36	11	77	1
Nassau County Division	38	7	1	13	0
New York Division	311	24	8	43	0
Newark Division	35	4	1	19	0
North Port–Sarasota–Bradenton, FL	16	1	2	5	0
Ogden–Clearfield, UT	4	1	0	1	0
Oklahoma City, OK	42	5	6	9	0
Omaha–Council Bluffs, NE–IA	19	2	2	3	0
Orlando–Kissimmee–Sanford, FL	103	11	3	28	0
Oxnard–Thousand Oaks–Ventura, CA	16	2	1	3	0
Palm Bay–Melbourne–Titusville, FL	11	4	2	10	0
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD <sup>c</sup>	81	23	6	42	0
Camden Division	16	6	1	7	0
Montgomery Division	22	4	1	9	0
Philadelphia Division	34	10	3	19	0
Wilmington Division	10	3	0	7	0
Phoenix–Mesa–Scottsdale, AZ	151	17	12	21	0
Pittsburgh, PA	43	5	3	6	0
Portland–South Portland, ME	5	1	0	1	0
Portland–Vancouver–Hillsboro, OR–WA	78	6	14	8	0
Providence–Warwick, RI–MA	35	6	2	11	0
Provo–Orem, UT	3	0	1	1	0
Raleigh, NC	32	2	0	3	0

**Table 8c. Diagnoses of HIV infection among white adults and adolescents, by transmission category and metropolitan statistical area of residence, 2016—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Richmond, VA	23	1	2	6	0
Riverside–San Bernardino–Ontario, CA	122	4	13	10	0
Rochester, NY	11	3	1	4	0
Sacramento–Roseville–Arden–Arcade, CA	66	5	4	12	0
St. Louis, MO–IL	64	5	1	15	0
Salt Lake City, UT	39	4	8	3	0
San Antonio–New Braunfels, TX	56	6	2	5	1
San Diego–Carlsbad–San Marcos, CA	108	12	13	35	0
San Francisco–Oakland–Hayward, CA <sup>c</sup>	162	17	22	23	0
Oakland Division	71	7	6	13	0
San Francisco Division	82	9	14	6	0
San Jose–Sunnyvale–Santa Clara, CA	22	4	3	3	0
San Juan–Carolina–Caguas, PR <sup>d</sup>	—	—	—	—	—
Santa Rosa, CA	12	1	1	0	0
Scranton–Wilkes-Barre–Hazleton, PA	9	1	1	3	0
Seattle–Tacoma–Bellevue, WA <sup>c</sup>	83	13	15	13	0
Seattle Division	72	11	14	10	0
Tacoma Division	12	1	1	3	0
Spokane–Spokane Valley, WA	7	6	3	1	0
Springfield, MA	15	3	1	1	0
Stockton–Lodi, CA	8	6	0	0	0
Syracuse, NY	13	1	0	2	0
Tampa–St. Petersburg–Clearwater, FL	123	12	15	26	0
Toledo, OH	14	0	0	1	0
Tucson, AZ	18	1	1	4	0
Tulsa, OK	29	5	6	6	0
Virginia Beach–Norfolk–Newport News, VA–NC	55	2	2	9	0
Washington–Arlington–Alexandria, DC–VA–MD–WV <sup>c</sup>	112	7	8	15	0
Silver Spring Division	11	3	3	5	0
Washington Division	102	3	5	10	0
Wichita, KS	19	2	3	4	0
Winston-Salem, NC	15	0	1	5	0
Worcester, MA–CT	19	6	1	3	0
Youngstown–Warren–Boardman, OH–PA	8	1	0	2	0
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>5,454</b>	<b>625</b>	<b>438</b>	<b>987</b>	<b>9</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>1,081</b>	<b>159</b>	<b>118</b>	<b>304</b>	<b>3</b>
<b>Nonmetropolitan areas</b>	<b>543</b>	<b>100</b>	<b>67</b>	<b>169</b>	<b>3</b>
<b>Total<sup>e</sup></b>	<b>7,144</b>	<b>887</b>	<b>626</b>	<b>1,476</b>	<b>15</b>

Note. Data have been statistically adjusted to account for missing transmission category. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data exclude 945 persons whose race/ethnicity is unknown.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>e</sup> Includes persons whose county of residence is unknown.

**Table 9a. Black/African American adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Akron, OH	214	29	18	107	6
Albany–Schenectady–Troy, NY	135	139	28	214	18
Albuquerque, NM	56	9	13	35	2
Allentown–Bethlehem–Easton, PA–NJ	55	58	9	139	9
Atlanta–Sandy Springs–Roswell, GA	12,564	1,750	832	5,849	238
Augusta–Richmond County, GA–SC	594	224	62	662	47
Austin–Round Rock, TX	463	213	85	395	16
Bakersfield, CA	110	63	28	52	4
Baltimore–Columbia–Towson, MD	3,346	4,391	854	4,579	268
Baton Rouge, LA	1,383	709	195	1,730	53
Birmingham–Hoover, AL	1,299	207	84	894	25
Boise City, ID	2	3	3	13	2
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	1,063	1,026	113	2,202	127
Boston Division	755	721	78	1,315	79
Cambridge Division	304	302	36	874	48
Bridgeport–Stamford–Norwalk, CT	149	277	12	474	24
Buffalo–Cheektowaga–Niagara Falls, NY	335	149	59	327	14
Cape Coral–Fort Myers, FL	145	65	20	527	17
Charleston–North Charleston, SC	713	182	59	643	27
Charlotte–Concord–Gastonia, NC–SC	2,154	617	154	1,908	58
Chattanooga, TN–GA	190	51	14	145	8
Chicago–Naperville–Elgin, IL–IN–WI <sup>c</sup>	6,926	2,276	746	3,824	265
Chicago Division	6,501	2,138	683	3,476	249
Elgin Division	28	20	9	35	2
Gary Division	274	66	31	196	8
Lake County Division	123	52	23	117	5
Cincinnati, OH–KY–IN	1,004	145	72	549	21
Cleveland–Elyria, OH	1,546	225	104	738	36
Colorado Springs, CO	60	18	9	38	8
Columbia, SC	1,304	342	102	1,080	31
Columbus, OH	1,080	166	64	692	26
Dallas–Fort Worth–Arlington, TX	5,113	1,061	403	3,432	119
Dallas Division	4,194	757	308	2,689	73
Fort Worth Division	919	304	95	743	46
Dayton, OH	412	52	28	226	9
Deltona–Daytona Beach–Ormond Beach, FL	238	115	38	263	20
Denver–Aurora–Lakewood, CO	610	140	94	517	17
Des Moines–West Des Moines, IA	44	21	4	88	—
Detroit–Warren–Dearborn, MI <sup>c</sup>	3,656	822	255	1,692	95
Detroit Division	2,872	703	221	1,335	72
Warren Division	783	120	34	357	23
Durham–Chapel Hill, NC	588	236	52	523	15
El Paso, TX	54	16	7	30	3
Fayetteville–Springdale–Rogers, AR	19	3	6	16	1
Fresno, CA	108	74	15	52	6
Grand Rapids–Wyoming, MI	131	34	14	160	15
Greensboro–High Point, NC	745	204	58	661	21
Greenville–Anderson–Mauldin, SC	512	106	47	366	6
Harrisburg–Carlisle, PA	123	105	11	178	6
Hartford–West Hartford–East Hartford, CT	219	327	26	347	22
Honolulu (Urban), HI	79	7	8	21	3

**Table 9a. Black/African American adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Houston—The Woodlands—Sugar Land, TX	5,494	1,691	529	5,238	189
Indianapolis—Carmel—Anderson, IN	1,174	172	85	736	31
Jackson, MS	1,265	256	84	1,064	36
Jacksonville, FL	1,396	367	115	2,234	68
Kansas City, MO—KS	947	130	70	438	16
Knoxville, TN	90	27	7	94	5
Lakeland—Winter Haven, FL	244	81	23	612	18
Lancaster, PA	15	23	1	69	8
Las Vegas—Henderson—Paradise, NV	999	197	91	604	29
Lexington—Fayette, KY	139	31	13	94	7
Little Rock—North Little Rock—Conway, AR	601	84	32	299	12
Los Angeles—Long Beach—Anaheim, CA	6,226	880	665	1,858	122
Anaheim Division	150	37	14	99	6
Los Angeles Division	6,076	843	651	1,759	116
Louisville/Jefferson County, KY—IN	429	100	41	241	18
Madison, WI	81	17	11	66	5
McAllen—Edinburg—Mission, TX	16	6	2	12	—
Memphis, TN—MS—AR	2,549	239	100	2,414	46
Miami—Fort Lauderdale—West Palm Beach, FL <sup>c</sup>	5,772	2,101	534	15,806	605
Fort Lauderdale Division	1,942	735	171	5,777	212
Miami Division	2,974	1,077	298	6,644	281
West Palm Beach Division	856	290	65	3,385	112
Milwaukee—Waukesha—West Allis, WI	856	173	67	435	17
Minneapolis—St. Paul—Bloomington, MN—WI	892	236	83	1,101	45
Modesto, CA	23	9	2	13	4
Nashville—Davidson—Murfreesboro—Franklin, TN	960	238	68	646	20
New Haven—Milford, CT	248	410	36	476	24
New Orleans—Metairie, LA	2,102	559	198	1,707	60
New York—Newark—Jersey City, NY—NJ—PA <sup>c</sup>	16,902	14,113	1,701	20,499	1,621
Nassau County Division	377	315	53	564	74
New York Division	14,505	11,169	1,405	16,655	1,311
Newark Division	1,964	2,524	226	3,177	223
North Port—Sarasota—Bradenton, FL	171	62	16	339	13
Ogden—Clearfield, UT	15	3	1	10	—
Oklahoma City, OK	412	68	38	194	9
Omaha—Council Bluffs, NE—IA	66	11	11	68	1
Orlando—Kissimmee—Sanford, FL	1,632	471	118	1,974	99
Oxnard—Thousand Oaks—Ventura, CA	25	5	2	14	1
Palm Bay—Melbourne—Titusville, FL	142	59	18	295	17
Philadelphia—Camden—Wilmington, PA—NJ—DE—MD <sup>c</sup>	4,303	3,233	598	6,247	239
Camden Division	398	276	50	556	31
Montgomery Division	96	94	22	227	6
Philadelphia Division	3,464	2,461	450	4,869	173
Wilmington Division	345	402	77	594	29
Phoenix—Mesa—Scottsdale, AZ	710	187	99	471	32
Pittsburgh, PA	567	181	54	441	17
Portland—South Portland, ME	28	20	3	94	5
Portland—Vancouver—Hillsboro, OR—WA	192	37	30	150	13
Providence—Warwick, RI—MA	154	207	22	304	22
Provo—Orem, UT	3	1	2	3	1
Raleigh, NC	975	242	66	787	34

**Table 9a. Black/African American adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Richmond, VA	1,341	388	103	1,020	41
Riverside–San Bernardino–Ontario, CA	534	155	44	372	20
Rochester, NY	331	299	48	323	22
Sacramento–Roseville–Arden–Arcade, CA	371	109	38	309	14
St. Louis, MO–IL	2,165	261	161	1,087	40
Salt Lake City, UT	57	24	7	85	6
San Antonio–New Braunfels, TX	448	119	54	283	10
San Diego–Carlsbad–San Marcos, CA	789	134	111	333	23
San Francisco–Oakland–Hayward, CA <sup>c</sup>	2,249	817	469	1,049	42
Oakland Division	1,328	370	122	792	34
San Francisco Division	858	404	329	231	8
San Jose–Sunnyvale–Santa Clara, CA	127	32	20	120	14
San Juan–Carolina–Caguas, PR <sup>d</sup>	—	—	—	—	—
Santa Rosa, CA	32	2	5	24	2
Scranton–Wilkes-Barre–Hazleton, PA	27	25	10	56	3
Seattle–Tacoma–Bellevue, WA <sup>c</sup>	677	158	88	643	52
Seattle Division	549	120	72	545	47
Tacoma Division	128	39	15	98	5
Spokane–Spokane Valley, WA	10	4	3	19	3
Springfield, MA	87	131	18	118	10
Stockton–Lodi, CA	124	81	26	112	4
Syracuse, NY	118	89	11	144	7
Tampa–St. Petersburg–Clearwater, FL	1,618	456	143	2,016	97
Toledo, OH	184	38	13	165	9
Tucson, AZ	99	29	24	106	7
Tulsa, OK	205	20	25	120	7
Virginia Beach–Norfolk–Newport News, VA–NC	1,795	393	101	1,292	54
Washington–Arlington–Alexandria, DC–VA–MD–WV <sup>c</sup>	5,065	1,490	445	6,177	205
Silver Spring Division	572	160	45	1,479	31
Washington Division	4,492	1,330	400	4,699	174
Wichita, KS	107	18	21	71	5
Winston-Salem, NC	392	162	37	466	20
Worcester, MA–CT	71	125	14	257	9
Youngstown–Warren–Boardman, OH–PA	125	50	7	99	3
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>127,497</b>	<b>49,186</b>	<b>12,481</b>	<b>121,397</b>	<b>5,945</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>14,946</b>	<b>5,638</b>	<b>1,637</b>	<b>16,269</b>	<b>667</b>
<b>Nonmetropolitan areas</b>	<b>8,376</b>	<b>3,432</b>	<b>1,075</b>	<b>8,924</b>	<b>376</b>
<b>Total<sup>e</sup></b>	<b>161,295</b>	<b>62,352</b>	<b>16,328</b>	<b>155,163</b>	<b>7,417</b>

Note. Data have been statistically adjusted to account for missing transmission category. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data excludes 868 persons whose race/ethnicity is unknown.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>e</sup> Includes persons whose county of residence is unknown.

**Table 9b. Hispanic/Latino adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Akron, OH	23	2	—	6	—
Albany–Schenectady–Troy, NY	86	110	36	108	13
Albuquerque, NM	545	68	75	76	7
Allentown–Bethlehem–Easton, PA–NJ	113	216	28	230	19
Atlanta–Sandy Springs–Roswell, GA	1,503	138	100	491	22
Augusta–Richmond County, GA–SC	31	16	3	35	—
Austin–Round Rock, TX	1,332	134	96	273	16
Bakersfield, CA	378	145	80	131	5
Baltimore–Columbia–Towson, MD	335	117	51	263	12
Baton Rouge, LA	44	9	4	26	1
Birmingham–Hoover, AL	61	5	6	26	1
Boise City, ID	28	6	5	11	1
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	1,222	886	137	802	56
Boston Division	747	444	89	371	25
Cambridge Division	461	435	46	426	31
Bridgeport–Stamford–Norwalk, CT	269	273	26	299	15
Buffalo–Cheektowaga–Niagara Falls, NY	143	128	38	118	10
Cape Coral–Fort Myers, FL	142	43	18	152	4
Charleston–North Charleston, SC	71	10	10	32	1
Charlotte–Concord–Gastonia, NC–SC	330	34	18	168	10
Chattanooga, TN–GA	33	5	5	25	—
Chicago–Naperville–Elgin, IL–IN–WI <sup>c</sup>	3,867	538	371	1,042	77
Chicago Division	3,571	487	340	893	73
Elgin Division	65	10	10	33	0
Gary Division	79	20	8	33	3
Lake County Division	152	21	13	84	1
Cincinnati, OH–KY–IN	81	18	10	39	0
Cleveland–Elyria, OH	247	99	33	143	12
Colorado Springs, CO	86	17	13	22	3
Columbia, SC	81	18	4	44	1
Columbus, OH	167	26	15	60	4
Dallas–Fort Worth–Arlington, TX <sup>c</sup>	4,040	356	251	923	39
Dallas Division	3,371	233	177	674	29
Fort Worth Division	670	123	73	250	10
Dayton, OH	36	1	—	7	—
Deltona–Daytona Beach–Ormond Beach, FL	114	51	16	62	9
Denver–Aurora–Lakewood, CO	1,309	146	193	213	9
Des Moines–West Des Moines, IA	47	7	5	13	0
Detroit–Warren–Dearborn, MI <sup>c</sup>	240	40	13	87	11
Detroit Division	129	26	7	59	7
Warren Division	111	15	6	29	4
Durham–Chapel Hill, NC	111	16	8	72	2
El Paso, TX	1,221	117	82	301	20
Fayetteville–Springdale–Rogers, AR	49	9	6	22	—
Fresno, CA	602	67	62	105	10
Grand Rapids–Wyoming, MI	103	16	11	27	2
Greensboro–High Point, NC	87	8	3	34	1
Greenville–Anderson–Mauldin, SC	91	11	3	30	0
Harrisburg–Carlisle, PA	30	56	7	54	3
Hartford–West Hartford–East Hartford, CT	261	534	52	381	30
Honolulu (Urban), HI	120	19	17	16	3

**Table 9b. Hispanic/Latino adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	4,856	425	300	1,847	65
Indianapolis–Carmel–Anderson, IN	237	29	17	134	3
Jackson, MS	41	4	5	23	—
Jacksonville, FL	177	50	23	137	4
Kansas City, MO–KS	348	34	24	71	3
Knoxville, TN	34	4	0	11	2
Lakeland–Winter Haven, FL	140	72	22	154	8
Lancaster, PA	62	83	5	88	8
Las Vegas–Henderson–Paradise, NV	1,482	93	99	246	9
Lexington–Fayette KY	85	12	7	31	1
Little Rock–North Little Rock–Conway, AR	71	9	2	18	1
Los Angeles–Long Beach–Anaheim, CA <sup>c</sup>	18,512	1,190	1,300	2,968	217
Anaheim Division	2,134	197	124	359	21
Los Angeles Division	16,379	994	1,176	2,609	195
Louisville/Jefferson County, KY–IN	80	12	3	19	1
Madison, WI	56	4	9	14	1
McAllen–Edinburg–Mission, TX	610	87	37	284	11
Memphis, TN–MS–AR	89	8	9	74	1
Miami–Fort Lauderdale–West Palm Beach, FL <sup>c</sup>	10,668	689	530	3,592	103
Fort Lauderdale Division	2,157	147	129	716	22
Miami Division	7,986	453	358	2,409	69
West Palm Beach Division	524	89	43	468	11
Milwaukee–Waukesha–West Allis, WI	244	69	20	113	8
Minneapolis–St. Paul–Bloomington, MN–WI	400	46	35	117	8
Modesto, CA	143	21	12	38	6
Nashville–Davidson–Murfreesboro–Franklin, TN	196	15	15	68	3
New Haven–Milford, CT	236	370	31	310	27
New Orleans–Metairie, LA	265	40	30	141	8
New York–Newark–Jersey City, NY–NJ–PA <sup>c</sup>	19,910	11,966	2,333	12,042	1,154
Nassau County Division	832	256	70	521	67
New York Division	17,831	10,757	2,136	10,542	1,030
Newark Division	1,151	821	94	900	46
North Port–Sarasota–Bradenton, FL	127	38	10	104	3
Ogden–Clearfield, UT	48	6	7	15	0
Oklahoma City, OK	164	18	13	53	3
Omaha–Council Bluffs, NE–IA	45	4	4	18	—
Orlando–Kissimmee–Sanford, FL	1,435	422	137	804	55
Oxnard–Thousand Oaks–Ventura, CA	315	26	17	78	5
Palm Bay–Melbourne–Titusville, FL	63	31	7	44	3
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD <sup>c</sup>	1,052	1,152	220	1,288	76
Camden Division	212	185	28	233	16
Montgomery Division	67	46	8	71	2
Philadelphia Division	695	863	178	910	54
Wilmington Division	79	58	6	74	4
Phoenix–Mesa–Scottsdale, AZ	2,251	353	269	487	28
Pittsburgh, PA	75	18	5	24	2
Portland–South Portland, ME	29	14	3	11	—
Portland–Vancouver–Hillsboro, OR–WA	492	38	56	77	2
Providence–Warwick, RI–MA	250	231	36	342	17
Provo–Orem, UT	36	5	5	11	4
Raleigh, NC	201	29	15	98	3
Richmond, VA	118	29	12	78	2

**Table 9b. Hispanic/Latino adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Riverside–San Bernardino–Ontario, CA	1,743	216	132	411	27
Rochester, NY	183	239	40	179	11
Sacramento–Roseville–Arden–Arcade, CA	510	63	61	155	12
St. Louis, MO–IL	177	15	13	47	2
Salt Lake City, UT	227	60	47	64	3
San Antonio–New Braunfels, TX	2,689	329	185	505	29
San Diego–Carlsbad–San Marcos, CA	3,025	261	209	545	48
San Francisco–Oakland–Hayward, CA <sup>c</sup>	3,665	242	469	497	29
Oakland Division	1,078	80	87	226	10
San Francisco Division	2,490	143	367	240	17
San Jose–Sunnyvale–Santa Clara, CA	872	66	65	167	9
San Juan–Carolina–Caguas, PR <sup>d</sup>	—	—	—	—	—
Santa Rosa, CA	134	10	16	34	5
Scranton–Wilkes-Barre–Hazleton, PA	28	24	5	52	5
Seattle–Tacoma–Bellevue, WA	854	70	108	164	8
Seattle Division	747	46	83	126	7
Tacoma Division	107	24	25	38	1
Spokane–Spokane Valley, WA	33	5	4	3	1
Springfield, MA	223	460	54	355	30
Stockton–Lodi, CA	242	58	37	88	4
Syracuse, NY	65	45	10	41	2
Tampa–St. Petersburg–Clearwater, FL	976	277	91	556	32
Toledo, OH	38	3	4	13	1
Tucson, AZ	489	90	64	95	9
Tulsa, OK	93	13	13	37	2
Virginia Beach–Norfolk–Newport News, VA–NC	142	38	7	89	5
Washington–Arlington–Alexandria, DC–VA–MD–WV	1,440	131	74	800	32
Silver Spring Division	292	32	20	244	3
Washington Division	1,148	99	54	556	29
Wichita, KS	80	15	16	28	0
Winston-Salem, NC	97	15	7	45	3
Worcester, MA–CT	103	293	23	192	24
Youngstown–Warren–Boardman, OH–PA	51	18	4	22	1
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>103,497</b>	<b>25,311</b>	<b>9,349</b>	<b>38,219</b>	<b>2,622</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>6,664</b>	<b>2,217</b>	<b>884</b>	<b>3,490</b>	<b>199</b>
<b>Nonmetropolitan areas</b>	<b>2,888</b>	<b>1,375</b>	<b>554</b>	<b>1,557</b>	<b>109</b>
<b>Total<sup>e</sup></b>	<b>116,862</b>	<b>30,009</b>	<b>11,216</b>	<b>44,746</b>	<b>3,037</b>

Note. Data have been statistically adjusted to account for missing transmission category. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data excludes 868 persons whose race/ethnicity is unknown.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

Hispanics/Latinos can be of any race.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>e</sup> Includes persons whose county of residence is unknown.



**Table 9c. White adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Akron, OH	325	19	31	59	3
Albany–Schenectady–Troy, NY	404	88	49	122	14
Albuquerque, NM	422	41	68	51	3
Allentown–Bethlehem–Easton, PA–NJ	237	79	31	129	9
Atlanta–Sandy Springs–Roswell, GA	4,670	297	365	494	39
Augusta–Richmond County, GA–SC	260	43	25	87	11
Austin–Round Rock, TX	1,843	125	185	156	11
Bakersfield, CA	226	105	72	66	3
Baltimore–Columbia–Towson, MD	1,271	465	138	382	37
Baton Rouge, LA	461	83	58	120	8
Birmingham–Hoover, AL	790	84	70	141	9
Boise City, ID	140	23	38	26	3
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	3,736	793	341	436	74
Boston Division	2,169	380	185	198	26
Cambridge Division	1,402	393	139	198	45
Bridgeport–Stamford–Norwalk, CT	386	140	17	124	11
Buffalo–Cheektowaga–Niagara Falls, NY	439	77	51	111	9
Cape Coral–Fort Myers, FL	551	63	53	167	8
Charleston–North Charleston, SC	472	50	53	83	5
Charlotte–Concord–Gastonia, NC–SC	1,284	123	99	261	18
Chattanooga, TN–GA	385	36	22	95	6
Chicago–Naperville–Elgin, IL–IN–WI	5,770	405	408	560	96
Chicago Division	5,230	323	370	420	79
Elgin Division	87	10	9	25	4
Gary Division	244	45	15	75	5
Lake County Division	209	27	14	40	8
Cincinnati, OH–KY–IN	1,249	111	91	211	21
Cleveland–Elyria, OH	1,164	85	87	188	13
Colorado Springs, CO	322	47	63	46	3
Columbia, SC	499	55	42	141	6
Columbus, OH	2,107	111	121	284	22
Dallas–Fort Worth–Arlington, TX <sup>c</sup>	6,169	464	521	605	59
Dallas Division	5,051	245	353	353	35
Fort Worth Division	1,118	219	167	252	25
Dayton, OH	503	25	29	78	11
Deltona–Daytona Beach–Ormond Beach, FL	469	99	49	131	3
Denver–Aurora–Lakewood, CO	3,973	263	654	253	32
Des Moines–West Des Moines, IA	328	36	44	52	6
Detroit–Warren–Dearborn, MI <sup>c</sup>	1,705	126	111	249	31
Detroit Division	660	63	50	118	14
Warren Division	1,045	63	62	131	17
Durham–Chapel Hill, NC	313	23	21	46	5
El Paso, TX	104	14	15	16	1
Fayetteville–Springdale–Rogers, AR	285	41	34	68	5
Fresno, CA	313	62	46	33	2
Grand Rapids–Wyoming, MI	383	20	30	61	7
Greensboro–High Point, NC	414	41	24	88	7
Greenville–Anderson–Mauldin, SC	437	51	43	114	9
Harrisburg–Carlisle, PA	346	55	26	110	11
Hartford–West Hartford–East Hartford, CT	495	227	27	178	10
Honolulu (Urban), HI	527	47	55	63	4

**Table 9c. White adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Houston—The Woodlands—Sugar Land, TX	4,222	449	406	630	40
Indianapolis—Carmel—Anderson, IN	1,706	118	179	297	22
Jackson, MS	254	45	41	59	9
Jacksonville, FL	1,043	156	122	389	18
Kansas City, MO—KS	1,646	99	190	165	17
Knoxville, TN	514	62	43	116	11
Lakeland—Winter Haven, FL	397	78	41	176	6
Lancaster, PA	176	52	19	58	3
Las Vegas—Henderson—Paradise, NV	2,154	256	281	291	23
Lexington—Fayette, KY	466	40	35	51	3
Little Rock—North Little Rock—Conway, AR	578	68	40	96	8
Los Angeles—Long Beach—Anaheim, CA <sup>c</sup>	13,830	777	1,187	775	91
Anaheim Division	1,946	199	149	184	20
Los Angeles Division	11,884	579	1,038	591	71
Louisville/Jefferson County, KY—IN	945	195	82	142	5
Madison, WI	306	14	36	33	5
McAllen—Edinburg—Mission, TX	36	6	2	8	0
Memphis, TN—MS—AR	563	41	36	149	9
Miami—Fort Lauderdale—West Palm Beach, FL <sup>c</sup>	8,135	549	480	1,167	51
Fort Lauderdale Division	4,942	242	307	527	24
Miami Division	2,048	153	95	304	14
West Palm Beach Division	1,145	154	78	335	13
Milwaukee—Waukesha—West Allis, WI	720	50	53	84	8
Minneapolis—St. Paul—Bloomington, MN—WI	2,433	120	247	274	31
Modesto, CA	165	30	27	31	5
Nashville—Davidson—Murfreesboro—Franklin, TN	1,329	118	96	228	17
New Haven—Milford, CT	428	251	39	174	11
New Orleans—Metairie, LA	1,578	166	183	176	19
New York—Newark—Jersey City, NY—NJ—PA <sup>c</sup>	16,203	2,903	882	2,557	279
Nassau County Division	1,020	246	87	267	36
New York Division	14,137	2,281	723	1,968	208
Newark Division	892	315	53	269	29
North Port—Sarasota—Bradenton, FL	648	107	62	140	9
Ogden—Clearfield, UT	136	15	40	22	5
Oklahoma City, OK	959	126	167	134	20
Omaha—Council Bluffs, NE—IA	229	22	34	38	3
Orlando—Kissimmee—Sanford, FL	2,617	205	153	340	22
Oxnard—Thousand Oaks—Ventura, CA	268	35	28	52	9
Palm Bay—Melbourne—Titusville, FL	417	83	40	151	12
Philadelphia—Camden—Wilmington, PA—NJ—DE—MD <sup>c</sup>	2,882	909	245	1,041	54
Camden Division	458	129	47	154	6
Montgomery Division	438	91	30	194	12
Philadelphia Division	1,673	592	146	546	27
Wilmington Division	314	97	22	147	8
Phoenix—Mesa—Scottsdale, AZ	4,104	495	527	448	56
Pittsburgh, PA	1,190	95	69	245	22
Portland—South Portland, ME	404	66	35	44	7
Portland—Vancouver—Hillsboro, OR—WA	2,819	247	405	279	38
Providence—Warwick, RI—MA	861	386	92	246	23
Provo—Orem, UT	73	12	6	10	3
Raleigh, NC	738	61	49	121	13

**Table 9c. White adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2015—United States (cont)**

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact <sup>a</sup>	Other <sup>b</sup>
	No.	No.	No.	No.	No.
Richmond, VA	658	62	47	147	16
Riverside–San Bernardino–Ontario, CA	2,870	225	286	249	16
Rochester, NY	561	89	61	141	12
Sacramento–Roseville–Arden–Arcade, CA	1,362	193	230	310	13
St. Louis, MO–IL	1,990	113	123	261	28
Salt Lake City, UT	790	108	185	86	15
San Antonio–New Braunfels, TX	955	121	91	115	12
San Diego–Carlsbad–San Marcos, CA	4,042	270	483	341	24
San Francisco–Oakland–Hayward, CA <sup>c</sup>	8,910	523	1,494	405	42
Oakland Division	2,048	131	194	207	26
San Francisco Division	6,559	343	1,259	158	12
San Jose–Sunnyvale–Santa Clara, CA	844	78	88	94	11
San Juan–Carolina–Caguas, PR <sup>d</sup>	—	—	—	—	—
Santa Rosa, CA	637	53	104	73	10
Scranton–Wilkes-Barre–Hazleton, PA	179	52	16	97	6
Seattle–Tacoma–Bellevue, WA <sup>c</sup>	3,764	276	515	315	42
Seattle Division	3,328	202	445	238	34
Tacoma Division	436	73	69	78	8
Spokane–Spokane Valley, WA	266	58	85	35	6
Springfield, MA	320	118	27	72	8
Stockton–Lodi, CA	205	82	48	58	4
Syracuse, NY	335	48	31	87	9
Tampa–St. Petersburg–Clearwater, FL	3,728	371	361	718	36
Toledo, OH	302	21	32	95	7
Tucson, AZ	827	120	116	122	22
Tulsa, OK	699	81	129	101	8
Virginia Beach–Norfolk–Newport News, VA–NC	853	90	58	172	18
Washington–Arlington–Alexandria, DC–VA–MD–WV <sup>c</sup>	2,812	219	159	470	50
Silver Spring Division	508	58	29	154	20
Washington Division	2,305	160	131	316	31
Wichita, KS	288	32	59	45	4
Winston-Salem, NC	315	37	19	76	6
Worcester, MA–CT	390	197	42	108	18
Youngstown–Warren–Boardman, OH–PA	202	27	17	63	4
<b>Subtotal for MSAs (population of ≥500,000)</b>	<b>163,447</b>	<b>18,305</b>	<b>15,905</b>	<b>22,973</b>	<b>2,079</b>
<b>Metropolitan areas (population of 50,000–499,999)</b>	<b>23,583</b>	<b>3,999</b>	<b>3,100</b>	<b>6,026</b>	<b>460</b>
<b>Nonmetropolitan areas</b>	<b>12,920</b>	<b>2,610</b>	<b>1,965</b>	<b>3,937</b>	<b>361</b>
<b>Total<sup>e</sup></b>	<b>211,781</b>	<b>26,294</b>	<b>22,177</b>	<b>34,880</b>	<b>3,105</b>

Note. Data have been statistically adjusted to account for missing transmission category. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data excludes 868 persons whose race/ethnicity is unknown.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Data are not presented for San Juan–Carolina–Caguas, PR. The 2016 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

<sup>e</sup> Includes persons whose county of residence is unknown.

**Table 10. Deaths of adults and adolescents with diagnosed HIV infection, by sex and metropolitan statistical area of residence, 2015—  
United States and Puerto Rico**

MSA of residence	Males			Females			Total		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
Akron, OH	8	2.8	—	0	0.0	—	8	1.3	—
Albany–Schenectady–Troy, NY	24	6.5	43	16	4.1	18	40	5.3	28
Albuquerque, NM	1	0.3	—	0	0.0	—	1	0.1	—
Allentown–Bethlehem–Easton, PA–NJ	4	1.2	—	2	0.5	—	6	0.8	—
Atlanta–Sandy Springs–Roswell, GA	328	14.7	9	92	3.8	19	420	9.0	11
Augusta–Richmond County, GA–SC	28	11.8	15	16	6.3	8	44	9.0	12
Austin–Round Rock, TX	47	5.7	48	5	0.6	—	52	3.2	53
Bakersfield, CA	24	6.7	41	2	0.6	—	26	3.8	47
Baltimore–Columbia–Towson, MD	187	16.7	8	103	8.4	4	290	12.3	5
Baton Rouge, LA	83	24.8	1	33	9.3	3	116	16.9	1
Birmingham–Hoover, AL	53	11.7	19	14	2.8	23	67	7.0	21
Boise City, ID	1	0.4	—	1	0.4	—	2	0.4	—
Boston–Cambridge–Newton, MA–NH <sup>c</sup>	10	0.5	—	1	0.0	—	11	0.3	—
Boston Division	3	0.4	—	0	0.0	—	3	0.2	—
Cambridge Division	0	0.0	—	1	0.1	—	1	0.0	—
Bridgeport–Stamford–Norwalk, CT	19	5.0	54	15	3.7	20	34	4.3	38
Buffalo–Cheektowaga–Niagara Falls, NY	33	7.1	35	6	1.2	—	39	4.0	42
Cape Coral–Fort Myers, FL	26	8.8	28	5	1.6	—	31	5.1	29
Charleston–North Charleston, SC	11	3.6	—	8	2.5	—	19	3.0	57
Charlotte–Concord–Gastonia, NC–SC	13	1.4	74	3	0.3	—	16	0.8	75
Chattanooga, TN–GA	14	6.3	44	8	3.3	—	22	4.8	33
Chicago–Naperville–Elgin, IL–IN–WI	94	2.4	70	25	0.6	38	119	1.5	71
Chicago Division	69	2.3	—	18	0.6	—	87	1.4	—
Elgin Division	3	1.2	—	0	0.0	—	3	0.6	—
Gary Division	17	6.0	—	6	2.0	—	23	3.9	—
Lake County Division	5	1.4	—	1	0.3	—	6	0.8	—
Cincinnati, OH–KY–IN	19	2.2	72	5	0.5	—	24	1.3	72
Cleveland–Elyria, OH	17	2.0	73	2	0.2	—	19	1.1	74
Colorado Springs, CO	3	1.0	—	0	0.0	—	3	0.5	—
Columbia, SC	23	7.0	36	8	2.3	—	31	4.6	34
Columbus, OH	7	0.9	—	2	0.2	—	9	0.5	—
Dallas–Fort Worth–Arlington, TX	258	9.2	27	67	2.3	26	325	5.7	25
Dallas Division	199	10.8	—	43	2.2	—	242	6.4	—
Fort Worth Division	59	6.3	—	24	2.4	—	83	4.3	—
Dayton, OH	5	1.5	—	0	0.0	—	5	0.7	—
Deltona–Daytona Beach–Ormond Beach, FL	31	11.8	16	13	4.6	15	44	8.1	15
Denver–Aurora–Lakewood, CO	48	4.2	61	8	0.7	—	56	2.4	63
Des Moines–West Des Moines, IA	0	0.0	—	0	0.0	—	0	0.0	—

**Table 10. Deaths of adults and adolescents with diagnosed HIV infection, by sex and metropolitan statistical area of residence, 2015—  
United States and Puerto Rico (cont)**

MSA of residence	Males			Females			Total		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
Detroit–Warren–Dearborn, MI	120	6.9	39	31	1.7	30	151	4.2	40
Detroit Division	78	11.3	—	26	3.4	—	104	7.1	—
Warren Division	42	4.0	—	5	0.4	—	47	2.2	—
Durham–Chapel Hill, NC	4	1.8	—	2	0.8	—	6	1.3	—
El Paso, TX	38	11.7	17	2	0.6	—	40	6.0	23
Fayetteville–Springdale–Rogers, AR	11	5.3	—	0	0.0	—	11	2.6	—
Fresno, CA	27	7.1	34	7	1.8	—	34	4.4	35
Grand Rapids–Wyoming, MI	7	1.7	—	0	0.0	—	7	0.8	—
Greensboro–High Point, NC	4	1.3	—	1	0.3	—	5	0.8	—
Greenville–Anderson–Mauldin, SC	12	3.4	65	4	1.1	—	16	2.2	65
Harrisburg–Carlisle, PA	0	0.0	—	0	0.0	—	0	0.0	—
Hartford–West Hartford–East Hartford, CT	52	10.3	21	25	4.7	14	77	7.4	17
Honolulu (Urban), HI	15	3.6	64	2	0.5	—	17	2.0	67
Houston–The Woodlands–Sugar Land, TX	330	12.5	14	120	4.4	16	450	8.4	14
Indianapolis–Carmel–Anderson, IN	48	6.1	46	20	2.4	25	68	4.2	39
Jackson, MS	21	9.3	26	13	5.2	12	34	7.1	18
Jacksonville, FL	84	14.4	10	40	6.4	7	124	10.2	9
Kansas City, MO–KS	25	3.0	67	1	0.1	—	26	1.5	70
Knoxville, TN	21	5.9	47	5	1.3	—	26	3.5	50
Lakeland–Winter Haven, FL	34	12.8	12	16	5.7	11	50	9.2	10
Lancaster, PA	0	0.0	—	0	0.0	—	0	0.0	—
Las Vegas–Henderson–Paradise, NV	70	8.1	30	18	2.0	28	88	5.0	30
Lexington–Fayette, KY	2	1.0	—	0	0.0	—	2	0.5	—
Little Rock–North Little Rock–Conway, AR	21	7.2	33	3	1.0	—	24	4.0	43
Los Angeles–Long Beach–Anaheim, CA	532	9.8	24	80	1.4	32	612	5.5	26
Anaheim Division	57	4.4	—	8	0.6	—	65	2.5	—
Los Angeles Division	475	11.5	—	72	1.7	—	547	6.5	—
Louisville/Jefferson County, KY–IN	12	2.3	71	2	0.4	—	14	1.3	73
Madison, WI	7	2.6	—	0	0.0	—	7	1.3	—
McAllen–Edinburg–Mission, TX	15	4.9	55	1	0.3	—	16	2.5	62
Memphis, TN–MS–AR	104	20.0	4	57	9.8	2	161	14.7	3
Miami–Fort Lauderdale–West Palm Beach, FL	562	22.8	2	267	10.0	1	829	16.2	2
Fort Lauderdale Division	199	25.8	—	80	9.7	—	279	17.5	—
Miami Division	283	25.6	—	116	9.7	—	399	17.4	—
West Palm Beach Division	80	13.6	—	71	11.1	—	151	12.3	—
Milwaukee–Waukesha–West Allis, WI	30	4.7	57	11	1.6	—	41	3.1	55
Minneapolis–St. Paul–Bloomington, MN–WI	59	4.1	62	10	0.7	—	69	2.4	64
Modesto, CA	12	5.7	49	4	1.8	—	16	3.7	49

**Table 10. Deaths of adults and adolescents with diagnosed HIV infection, by sex and metropolitan statistical area of residence, 2015—  
United States and Puerto Rico (cont)**

MSA of residence	Males			Females			Total		
	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
Nashville–Davidson–Murfreesboro–Franklin, TN	51	7.0	38	25	3.2	22	76	5.0	31
New Haven–Milford, CT	35	10.0	23	17	4.4	17	52	7.1	20
New Orleans–Metairie, LA	105	20.7	3	45	8.2	5	150	14.2	4
New York–Newark–Jersey City, NY–NJ–PA <sup>c</sup>	1,396	17.2	7	633	7.2	6	2,029	12.0	6
Nassau County Division	66	5.6	—	23	1.8	—	89	3.7	—
New York Division	1,143	19.9	—	517	8.2	—	1,660	13.7	—
Newark Division	179	17.6	—	89	8.2	—	268	12.7	—
North Port–Sarasota–Bradenton, FL	41	12.7	13	7	2.0	—	48	7.1	19
Ogden–Clearfield, UT	1	0.4	—	1	0.4	—	2	0.4	—
Oklahoma City, OK	45	8.3	29	8	1.4	—	53	4.8	32
Omaha–Council Bluffs, NE–IA	1	0.3	—	2	0.5	—	3	0.4	—
Orlando–Kissimmee–Sanford, FL	125	12.9	11	50	4.8	13	175	8.7	13
Oxnard–Thousand Oaks–Ventura, CA	4	1.2	—	4	1.1	—	8	1.1	—
Palm Bay–Melbourne–Titusville, FL	28	11.7	18	9	3.5	—	37	7.5	16
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	163	6.7	42	58	2.2	27	221	4.3	37
Camden Division	37	7.3	—	11	2.0	—	48	4.5	—
Montgomery Division	0	0.0	—	0	0.0	—	0	0.0	—
Philadelphia Division	118	14.1	—	45	4.8	—	163	9.1	—
Wilmington Division	8	2.7	—	2	0.6	—	10	1.6	—
Phoenix–Mesa–Scottsdale, AZ	93	5.0	53	25	1.3	33	118	3.1	54
Pittsburgh, PA	5	0.5	—	0	0.0	—	5	0.2	—
Portland–South Portland, ME	0	0.0	—	0	0.0	—	0	0.0	—
Portland–Vancouver–Hillsboro, OR–WA	67	6.8	40	8	0.8	—	75	3.7	48
Providence–Warwick, RI–MA	5	0.8	—	6	0.8	—	11	0.8	—
Provo–Orem, UT	0	0.0	—	0	0.0	—	0	0.0	—
Raleigh, NC	24	4.8	56	4	0.7	—	28	2.7	60
Richmond, VA	21	4.1	63	7	1.3	—	28	2.6	61
Riverside–San Bernardino–Ontario, CA	175	9.7	25	18	1.0	35	193	5.3	27
Rochester, NY	21	4.7	58	17	3.6	21	38	4.1	41
Sacramento–Roseville–Arden–Arcade, CA	46	5.0	52	7	0.7	—	53	2.8	59
St. Louis, MO–IL	29	2.6	69	9	0.7	—	38	1.6	69
Salt Lake City, UT	8	1.7	—	0	0.0	—	8	0.9	—
San Antonio–New Braunfels, TX	101	10.6	20	17	1.7	29	118	6.1	22
San Diego–Carlsbad–San Marcos, CA	105	7.6	32	16	1.2	34	121	4.4	36
San Francisco–Oakland–Hayward, CA <sup>c</sup>	120	6.2	45	16	0.8	36	136	3.4	52
Oakland Division	92	8.2	—	14	1.2	—	106	4.6	—
San Francisco Division	23	3.2	—	2	0.3	—	25	1.8	—
San Jose–Sunnyvale–Santa Clara, CA	25	3.0	66	2	0.2	—	27	1.6	68

**Table 10. Deaths of adults and adolescents with diagnosed HIV infection, by sex and metropolitan statistical area of residence, 2015—  
United States and Puerto Rico (cont)**

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	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>	No.	Rate <sup>a</sup>	Rank <sup>b</sup>
San Juan–Carolina–Caguas, PR	148	17.6	6	54	5.7	10	202	11.3	8
Santa Rosa, CA	16	7.7	31	1	0.5	—	17	4.0	44
Scranton–Wilkes-Barre–Hazleton, PA	1	0.4	—	0	0.0	—	1	0.2	—
Seattle–Tacoma–Bellevue, WA	86	5.5	51	12	0.8	37	98	3.1	56
Seattle Division	77	6.4	—	7	0.6	—	84	3.5	—
Tacoma Division	9	2.6	—	5	1.4	—	14	2.0	—
Spokane–Spokane Valley, WA	8	3.5	—	1	0.4	—	9	2.0	—
Springfield, MA	0	0.0	—	0	0.0	—	0	0.0	—
Stockton–Lodi, CA	16	5.6	50	6	2.0	—	22	3.8	46
Syracuse, NY	11	4.1	—	0	0.0	—	11	2.0	—
Tampa–St. Petersburg–Clearwater, FL	224	18.4	5	77	5.8	9	301	11.9	7
Toledo, OH	2	0.8	—	0	0.0	—	2	0.4	—
Tucson, AZ	29	7.0	37	4	0.9	—	33	3.9	45
Tulsa, OK	39	10.0	22	7	1.7	—	46	5.7	24
Virginia Beach–Norfolk–Newport News, VA–NC	31	4.4	60	19	2.6	24	50	3.5	51
Washington–Arlington–Alexandria, DC–VA–MD–WV	67	2.7	68	41	1.6	31	108	2.1	66
Silver Spring Division	16	3.1	—	11	2.0	—	27	2.5	—
Washington Division	51	2.6	—	30	1.5	—	81	2.0	—
Wichita, KS	12	4.7	59	3	1.1	—	15	2.9	58
Winston-Salem, NC	4	1.5	—	2	0.7	—	6	1.1	—
Worcester, MA–CT	3	0.8	—	0	0.0	—	3	0.4	—
Youngstown–Warren–Boardman, OH–PA	2	0.9	—	0	0.0	—	2	0.4	—
<b>Subtotal for MSAs (population of ≥500,000)</b>	7,237	8.1	—	2,440	2.6	—	9,677	5.3	—
<b>Metropolitan areas (population of 50,000–499,999)</b>	1,154	4.8	—	416	1.7	—	1,570	3.2	—
<b>Nonmetropolitan areas</b>	688	3.5	—	220	1.1	—	908	2.3	—
<b>Total<sup>d</sup></b>	<b>12,395</b>	<b>9.4</b>	<b>—</b>	<b>4,027</b>	<b>2.9</b>	<b>—</b>	<b>16,422</b>	<b>6.1</b>	<b>—</b>

*Note.* Deaths of persons with diagnosed HIV infection may be due to any cause. Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used.

MSA, metropolitan statistical area.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

<sup>a</sup> Rates are per 100,000 population.

<sup>b</sup> Based on rate. Ranks were not assigned to MSAs that were based on reported numbers less than 12.

<sup>c</sup> Counts of diagnoses of HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

<sup>d</sup> Includes persons whose county of residence is unknown.