

HIV | SURVEILLANCE REPORT

SUPPLEMENTAL REPORT

Volume 23, Number 3

Diagnoses of HIV Infection among Adolescents and Young Adults in the United States and 6 Dependent Areas 2011–2016

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



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The 2016 *HIV Surveillance Report*, published by the Centers for Disease Control and Prevention (CDC), revealed that the annual number and rate of diagnoses of HIV infection in the United States from 2011 through 2015 decreased. During 2011–2015, the rates of diagnoses of HIV infection for persons aged 13–14 years and for persons aged 15–19 years decreased, and the rate for persons aged 20–24 years remained stable. In 2016, persons aged 13–24 years accounted for 21% of all diagnoses, with those aged 20–24 years having the second highest rate of diagnoses (30.3 per 100,000 population).

Adolescents and young adults in the United States account for a substantial number of HIV infections. Understanding the burden of HIV among different subgroups of young persons can help HIV programs to focus on populations and areas at greatest need for HIV prevention and treatment services.

This surveillance supplemental report complements the 2016 *HIV Surveillance Report* by presenting additional data on persons aged 13–24 years. In this report, the term *adolescents* refers to persons aged 13–19 years, and the term *young adults* refers to persons aged 20–24 years. Numbers and rates of diagnoses of HIV infection during 2011–2016 are included from all 50 states, the District of Columbia, and 6 U.S. dependent areas (American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the Republic of Palau, and the U.S. Virgin Islands).

REPORT CHANGES

This volume of the *HIV Surveillance Supplemental Report* marks the transition to presenting diagnosis and prevalence data without statistical adjustments for delays in reporting of cases to CDC. CDC periodically assesses the portfolio of the National HIV Surveillance System (NHSS) to determine whether methods and efficiencies in data collection and analysis meet the information needs of the nation. In determining that adjustments for reporting delays were no longer necessary, CDC considered improvements in data quality as a result of the following: availability of additional case information; shorter time for processing duplicates from multiple states; and a better sys-

tem for national data processing. CDC will continue to statistically adjust transmission category data by using multiple imputation techniques to account for missing transmission category information in cases reported to CDC. (See Technical Notes for information on multiple imputation.)

In previous reports, prevalence data presented by jurisdiction or region were based on residence at HIV diagnosis; however, information on residence at diagnosis may not reflect a person's current residence. In this report, prevalence data presented by jurisdiction, region, or population of area of residence are based on a person's most recent known address at year-end of the specified year.

REPORT FORMAT

Data in this report are presented for adolescents and young adults whose diagnosis of HIV infection was made during 2011–2016 as well as for adolescents and young adults living with diagnosed HIV infection (prevalence) at year-end for the years 2011–2015. For the first time, this report also includes tables that provide stratifications by 2-year and 3-year age groups for adolescents and young adults (Tables 5a/b–6a/b).

HIGHLIGHTS OF ANALYSES

All rates are per 100,000 population. The standard used for reporting trends in numbers and rates of diagnoses of HIV is an increase or a decrease of 5% or more during the specified period (e.g., when comparing 2011 and 2016). For persons living with diagnosed HIV infection, only 5 years of prevalence data (2011–2015) are displayed to account for delays in reporting of deaths. Exceptions were made to the standard when numbers were small or rates were based on small numbers (i.e., numbers less than 12).

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

Diagnoses of HIV Infection and Diagnoses of Infection Classified as Stage 3 (AIDS)

Diagnoses of HIV infection

From 2011 through 2016, the annual number and rate of diagnoses of HIV infection among adolescents and young adults in the United States decreased (Table 1a). In 2016, the rate was 16.5.

- **Age group:** From 2011 through 2016, the rate for adolescents decreased, and the rate for young adults remained stable. In 2016, the rate for adolescents was 5.8, and the rate for young adults was 30.5.
- **Race/ethnicity:** From 2011 through 2016, the rates for Asian adolescents increased. The rates for black/African American, Hispanic/Latino, and white adolescents and adolescents of multiple races decreased. In 2016, the rate for black/African American adolescents (26.0) was 5 times the rate for Hispanic/Latino adolescents (5.1) and nearly 19 times the rate for white adolescents (1.4). Please use caution when interpreting data for American Indian/Alaska Native and Native Hawaiian/other Pacific Islander adolescents: the numbers are small. From 2011 through 2016, the rates for American Indian/Alaska Native, Asian, and Hispanic/Latino young adults increased. The rates for black/African American young adults and young adults of multiple races decreased. The rate for white young adults remained stable. In 2016, the rate among black/African American young adults (108.7) was more than 3 times the rate for Hispanic/Latino young adults (34.0) and 11 times the rate for white young adults (10.0). Please use caution when interpreting data for Native Hawaiian/other Pacific Islander young adults: the numbers are small.
- **Sex:** From 2011 through 2016, the rates for male adolescents, female adolescents, and female young adults decreased. The rate for male young adults remained stable. In 2016, among adolescents, the rate for males (9.6) was 5 times that for females (1.9) and, among young adults, the rate for males (53.0) was 8 times that for females (6.7).
- **Males and transmission category:** From 2011 through 2016, among male adolescents, the number of diagnosed infections attributed to male-to-

male sexual contact or heterosexual contact decreased. The number of infections attributed to male-to-male sexual contact *and* injection drug use remained stable. Please use caution when interpreting data, among adolescents, for diagnosed infections attributed to injection drug use: the numbers are small. Among male young adults, the number of infections attributed to injection drug use or heterosexual contact increased. The number of infections attributed to male-to-male sexual contact *and* injection drug use decreased. The number of infections attributed to male-to-male sexual contact remained stable. In 2016, the diagnosed infections attributed to male-to-male sexual contact accounted for 92% of diagnosed HIV infections among male adolescents and 91% of diagnosed HIV infections among male young adults.

- **Females and transmission category:** From 2011 through 2016, among female adolescents and young adults, the annual number of diagnosed HIV infections attributed to heterosexual contact or injection drug use decreased. In 2016, the diagnosed infections attributed to heterosexual contact accounted for 85% of diagnosed HIV infections among female adolescents and 88% of diagnosed HIV infections among female young adults.
- **Region:** From 2011 through 2016, among adolescents, the rate of diagnoses of HIV infection in the Northeast and the South decreased; the rates in the Midwest and West remained stable. Among young adults, the rates in the West increased; the rates in the Northeast, the Midwest, and the South decreased. In 2016, among adolescents, the rates were 8.5 in the South, 5.0 in the Midwest, 4.4 in the Northeast, and 3.4 in the West. Among young adults, the rates were 43.7 in the South, 23.6 in the Northeast, 23.2 in the West, and 21.2 in the Midwest.

Stage 3 (AIDS)

From 2011 through 2016, the annual number and rate of infections classified as stage 3 (AIDS) among adolescents and young adults in the United States decreased (Table 2a). In 2016, the rate of infections classified as stage 3 (AIDS) was 2.9.

- **Age group:** From 2011 through 2016, the rate for both adolescents and young adults decreased. In

2016, among adolescents, the rate of infections classified as stage 3 (AIDS) was 0.8, and among young adults, the rate was 5.6.

- **Race/ethnicity:** From 2011 through 2016, the rates for black/African American, Hispanic/Latino, and white adolescents decreased. In 2016, the rate for black/African American adolescents (3.8) was more than 6 times the rate for Hispanic/Latino adolescents (0.6) and 38 times the rate for white adolescents (0.1). Please use caution when interpreting data for American Indian/Alaska Native, Asian, and Native Hawaiian/other Pacific Islander adolescents, and adolescents of multiple races: the numbers are small. From 2011 through 2016, the rates for Asian young adults increased. The rates for black/African American, Hispanic/Latino, and white young adults, and young adults of multiple races decreased. In 2016, the rate for blacks/African Americans (22.7) was nearly 4 times the rate for Hispanics/Latinos (6.1) and nearly 19 times the rate for whites (1.2). Please use caution when interpreting data for American Indians/Alaska Natives and Native Hawaiians/other Pacific Islanders: the numbers are small.
- **Sex:** From 2011 through 2016, the rates for male and female adolescents and male and female young adults decreased. In 2016, among adolescents, the rate for males (1.1) was nearly 3 times that for females (0.4), and among young adults, the rate for males (9.1) was nearly 5 times that for females (2.0).
- **Males and transmission category:** From 2011 through 2016, the annual number of infections classified as stage 3 (AIDS) among male adolescents with HIV infection attributed to male-to-male sexual contact decreased. The number of infections classified as stage 3 (AIDS) among male young adults with HIV infection attributed to heterosexual contact increased. The number of infections attributed to male-to-male sexual contact, injection drug use, or male-to-male sexual contact *and* injection drug use decreased.
- **Females and transmission category:** From 2011 through 2016, the annual number of infections classified as stage 3 (AIDS) among female adolescents with HIV infection attributed to heterosexual contact decreased. The number of infections classified as stage 3 (AIDS) among

female young adults with HIV infection attributed to heterosexual contact or injection drug use decreased.

- **Region:** From 2011 through 2016, among adolescents and young adults, the rates of diagnosed infections classified as stage 3 (AIDS) in the 4 regions of the United States decreased. In 2016, among adolescents, the rates were 1.1 in the South, 0.8 in the Northeast, 0.7 in the Midwest, and 0.3 in the West. Among young adults, the rates were 8.3 in the South, 4.8 in the Northeast, 4.7 in the Midwest, and 2.9 in the West.

Prevalence: Adolescents and Young Adults Living with Diagnosed HIV Infection or with Infection Ever Classified as Stage 3 (AIDS)

Prevalence of diagnosed HIV infection

From 2011 through 2015, the number of adolescents and young adults in the United States living with diagnosed HIV infection remained stable (Table 8a). At the end of 2015, 5,648 adolescents and 30,812 young adults were living with diagnosed HIV infection. The prevalence of diagnosed HIV infection was 19.2 for adolescents and 135.8 for young adults.

- **Race/ethnicity:** At the end of 2015, among adolescents, the highest rate (86.5) and the largest percentage (63%) were those among blacks/African Americans. Among the remaining race/ethnicity groups, the rates were 28.1 for adolescents of multiple races, 16.5 for Hispanics/Latinos, 8.9 for Native Hawaiians/other Pacific Islanders, 5.9 for American Indians/Alaska Natives, 5.4 for Asians, and 3.8 for whites. Please use caution when interpreting data for American Indians/Alaska Natives and Native Hawaiians/other Pacific Islanders: the numbers are small. Among young adults, the highest rate (529.1) and the largest percentage (58%) were those among blacks/African Americans. Among the remaining race/ethnicity groups, the rates were 233.8 for young adults of multiple races, 136.4 for Hispanics/Latinos, 64.9 for Native Hawaiians/other Pacific Islanders, 57.2 for American Indians/Alaska Natives, 35.3 for whites, and 31.5 for Asians.
- **Sex and transmission category:** At the end of 2015, the rates were 22.8 for male adolescents, 15.6 for female adolescents, 212.4 for male young

adults, and 55.1 for female young adults. Among a total of 3,417 male adolescents, 54% of infections were attributed to male-to-male sexual contact, 37% to perinatal transmission, 2% to heterosexual contact, 2% to male-to-male sexual contact *and* injection drug use, and <1% to injection drug use. Among a total of 2,231 female adolescents, 68% of infections were attributed to perinatal transmission, 21% to heterosexual contact, and 2% to injection drug use. Among a total of 24,730 male young adults, 85% of infections were attributed to male-to-male sexual contact, 7% to perinatal transmission, 3% to heterosexual contact, 3% to male-to-male sexual contact *and* injection drug use, and 1% injection drug use. Among a total of 6,082 female young adults, 58% of infections were attributed to heterosexual contact, 32% to perinatal transmission, and 7% to injection drug use.

- **Region:** At the end of 2015, among adolescents, the prevalence rates were 27.5 in the Northeast, 25.2 in the South, 12.5 in the Midwest, and 10.0 in the West. Among young adults, the prevalence rates were 188.2 in the South, 148.7 in the Northeast, 95.7 in the Midwest, and 80.8 in the West.

Prevalence of stage 3 (AIDS)

From 2011 through 2015, the number of adolescents and young adults living with infection ever classified as stage 3 (AIDS) decreased (Table 9a). At the end of 2015, 1,095 adolescents and 6,713 young adults were living with infection ever classified as stage 3 (AIDS). The prevalence of infection ever classified as stage 3 (AIDS) was 3.7 for adolescents and 29.6 for young adults.

- **Race/ethnicity:** At the end of 2015, among adolescents, the highest rate (17.7) and the largest percentage (67%) were those among blacks/African Americans. Among the remaining race/ethnicity groups, the rates were 5.2 for adolescents of multiple races, 3.0 for Hispanics/Latinos, 2.0 for American Indians/Alaska Natives, 1.8 for Native Hawaiians/other Pacific Islanders, 0.9 for Asians, and 0.6 for whites. Please use caution when interpreting data for American Indians/Alaska Natives and Native Hawaiians/other Pacific Islanders: the numbers are small. Among young adults, the highest rate (123.9) and the largest percentage (63%) were

those among blacks/African Americans. Among the remaining race/ethnicity groups, the rates were 65.8 for young adults of multiple races, 28.9 for Hispanics/Latinos, 15.1 for Native Hawaiians/other Pacific Islanders, 10.5 for American Indians/Alaska Natives, 5.2 for whites, and 4.0 for Asians. Please use caution when interpreting data for Native Hawaiians/other Pacific Islanders: the numbers are small.

- **Sex and transmission category:** At the end of 2015, the rates were 3.8 for male adolescents, 3.7 for female adolescents, 41.3 for male young adults, and 17.2 for female young adults. Among a total of 566 male adolescents, 62% of infections were attributed to perinatal transmission, 30% to male-to-male sexual contact, 2% to male-to-male sexual contact *and* injection drug use, 1% to heterosexual contact, and 1% to injection drug use. Among a total of 529 female adolescents, 85% of infections were attributed to perinatal transmission, 9% to heterosexual contact, and 1% to injection drug use. Among a total of 4,815 male young adults, 71% of infections were attributed to male-to-male sexual contact, 21% to perinatal transmission, 3% to heterosexual contact, 3% to male-to-male sexual contact *and* injection drug use, and 1% injection drug use. Among a total of 1,898 female young adults, 59% of infections were attributed to perinatal transmission, 33% to heterosexual contact, and 4% to injection drug use.
- **Region:** At the end of 2015, among adolescents, the prevalence rates were 5.4 in the Northeast, 5.2 in the South, 2.0 in the Midwest, and 1.7 in the West. Among young adults, the prevalence rates were 41.4 in the South, 39.3 in the Northeast, 18.9 in the Midwest, and 13.8 in the West.

Data for Population of Area of Residence

- **Diagnoses of HIV infection and population of area of residence:** From 2011 through 2016, among male adolescents, the number of diagnoses of HIV infection attributed to male-to-male sexual contact in metropolitan statistical areas (populations $\geq 500,000$), metropolitan areas (populations of 50,000–499,999), and nonmetropolitan areas (populations $< 50,000$) decreased (Table 7). Among male young adults, with infection

attributed to male-to-male sexual contact, the number increased in metropolitan areas and remained stable in metropolitan statistical areas and nonmetropolitan areas. In 2016, metropolitan statistical areas accounted for the largest percentages of adolescents (80%) and young adults (80%) with infections attributed to male-to-male sexual contact.

- **Prevalence of diagnosed HIV infection and population of area of residence:** At the end of 2015, among adolescents, prevalence was 22.5 in metropolitan statistical areas, 11.6 in metropolitan areas, and 6.9 in nonmetropolitan areas (Table 12). Among young adults, prevalence was 160.0 in metropolitan statistical areas, 78.5 in metropolitan areas, and 57.2 in nonmetropolitan areas.
- **Prevalence of stage 3 (AIDS) and population of area of residence:** At the end of 2015, among adolescents, prevalence was 4.3 in metropolitan statistical areas, 2.0 in metropolitan areas, and 1.6 in nonmetropolitan areas (Table 13). Among young adults, prevalence was 34.7 in metropolitan statistical areas, 16.8 in metropolitan areas, and 12.8 in nonmetropolitan areas.

SUGGESTED READINGS

- CDC. *HIV Surveillance Report 2016*; vol. 28. <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published November 2017. Accessed May 6, 2018.
- CDC. HIV diagnoses among persons aged 13–29 years—United States, 2010–2014. *MMWR* 2018;67(7):212–215.
- 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 May 6, 2018.
- CDC. Revised surveillance case definitions for HIV infection among adults, adolescents, and children aged <18 months and for HIV infection and AIDS among children aged 18 months to <13 years—United States, 2008. *MMWR* 2008;57(RR-10):1–12.

CDC. Vital Signs: HIV infection, testing, and risk behaviors among youths—United States. *MMWR* 2012;61(47):971–976.

CDC. Youth risk factor behavior surveillance—United States, 2015. *MMWR* 2016;65(SS-06):1–174.

Koenig LJ, Hoyer D, Purcell DW, Zaza S, Mermin J. Young people and HIV: a call to action. *Am J Public Health* 2016;106(3):402–405. doi:10.2105/AJPH.2015.302979.

SURVEILLANCE OF HIV INFECTION

This report includes case report data for persons aged 13–24 years from 50 states, the District of Columbia, and 6 U.S. dependent areas (American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the Republic of Palau, and the U.S. Virgin Islands) in which laws or regulations require confidential reporting to the jurisdiction (not to CDC), by name, for adults, adolescents, and children with confirmed diagnoses of HIV infection. After the removal of personally identifiable information, data from these reports were submitted to CDC.

TABULATION AND PRESENTATION OF DATA

The data in this report include information received by CDC through December 31, 2017. The data are presented for adolescents and young adults aged 13–24 years with HIV infection diagnosed during 2011–2016. The report also presents data for persons living with diagnosed HIV infection (prevalence) as of December 31 of the specified year.

Please use caution when interpreting reported numbers less than 12, as well as rates and trends based on these numbers.

Diagnoses of HIV Infection and of Infection Classified as Stage 3 (AIDS)

Data in this report were compiled from diagnoses of HIV infection that were reported by the 50 states, the District of Columbia, and 6 U.S. dependent areas to CDC through December 31, 2017. Data from all areas are included in tables displaying numbers and rates of diagnoses of HIV infection and of diagnoses of infection classified as stage 3 (AIDS), by selected characteristics, area of residence, region of residence, and population of area of residence.

All jurisdictions report diagnoses of HIV infection to CDC on the basis of guidelines for HIV case surveillance. Both the 2008 and 2014 HIV case definitions were used to classify HIV infection among adolescents and young adults aged 13–24 years [1, 2]. The 2008 case definition was used to classify cases diagnosed through 2013. The 2014 case definition was used to classify cases diagnosed after 2013.

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 counts of persons for whom HIV infection has been diagnosed and reported to the surveillance system.

Prevalence: Persons Living with Diagnosed HIV Infection and Persons Living with Infection Ever Classified as Stage 3 (AIDS)

Prevalence of HIV infection was based on the number of persons living with diagnosed HIV infection, regardless of the stage of disease, and persons living with infection ever classified as stage 3 (AIDS) at the end of a given year during 2011–2015. 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.

Age

The designation “adolescents” refers to persons aged 13 to 19 years; the designation “young adults” refers to persons aged 20 to 24 years. For presentations of data on persons living with diagnosed HIV infection (Tables 8a/b, 10, 12, 16, and 18) and presentations of data on persons living with infection classified as Stage 3 (AIDS) (Tables 9a/b, 11, 13, 17, and 19), the age-group assignment (i.e., 13–19 years or 20–24 years) or the age designation (i.e., “adolescents” or “young adults”) is based on the person’s age as of December 31 of the specified year. For all other tables, the age designation or the specific age-group assignment is based on the person’s age at the time of diagnosis (HIV infection or infection classified as stage 3 [AIDS]).

Age-group designations for transmission categories in tables displaying data on prevalence are based on a person's age at the end of the specified year. That is, the transmission categories among "adolescents and young adults" in these tables include persons who were children at the time of diagnosis but who were aged 13–24 years at the end of the specified year.

Sex

Sex designations in this report are based on a person's sex at birth. *Transgender* is an umbrella term that is used to identify persons whose sex assigned at birth does not match current gender identity or expression. Data for transgender persons are not presented in this report because information on gender identity (a person's internal understanding of his or her gender or the gender with which a person identifies) is not consistently collected or documented in the data sources used by HIV reporting jurisdictions. HIV surveillance personnel voluntarily collect this information, when available, from sources such as case report forms submitted by health care or HIV testing providers and medical records, or by matching with other databases (e.g., Ryan White program data) in the health department. In May 2012, CDC issued guidance to state and local programs on methods for collecting data on transgender persons and working with transgender-specific data. However, characterization of HIV infection among transgender persons may require supplemental data from special studies.

Race and Ethnicity

The data presented in this report were collected by using standards established by the Office of Management and Budget (OMB) for the classification of federal data on race and ethnicity [3]. OMB called for splitting Asian/Pacific Islander into 2 categories (Asian and Native Hawaiian/other Pacific Islander) and for collecting 2 categories of ethnicity (Hispanic or Latino and not Hispanic or Latino) [3]. For presentations of data on persons living with diagnosed HIV infection by race/ethnicity (Tables 8a/b–13), the Asian category includes cases in Asians/Pacific Islanders that were reported 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 reported after 2003 and classified according to the old racial category (Asian/Pacific Islander). Hispanics/Latinos can be of any race.

Geographic Designations

Geographic designations reflect the area of residence at the time of diagnosis of HIV infection or at the time of stage 3 (AIDS) classification. The 4 regions of residence used in this report are defined by the U.S. Census Bureau as follows:

Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont

Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin

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

West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming

U.S. dependent areas: American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the Republic of Palau, and the U.S. Virgin Islands

Population of Area of Residence

In the *Federal Register* for June 28, 2010, OMB published revised standards for defining metropolitan statistical areas (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 revised 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]. The MSAs listed in these tables were defined according to OMB's most recent update (February 2013) of statistical areas. Table 7 (data on adolescents and young adults with diagnosed HIV infection attributed to male-to-male sexual contact, 2011–2016) presents numbers of diagnoses by population of area of residence. Tables 12–13 (data on adolescents and young adults living with diagnosed infection or infection ever classified as stage 3 [AIDS], year-end 2015) present numbers and rates of prevalence by population of area of residence.

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 1 (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 have ever had sexual contact with other men (i.e., homosexual contact) and men who have 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., people who inject drugs).

Tables of prevalence data include a separate transmission category of adolescents and young adults with HIV infection attributed to perinatal transmission. The category includes persons infected through perinatal transmission but aged 13–24 years during the specified year.

Cases of HIV infection reported without a risk factor listed in the hierarchy of transmission categories are classified as “no identified risk (NIR).” 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 [6]. 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 [7]. The plausible values are analyzed by using standard procedures, and the results

from these analyses are then combined to produce the final results.

Rates

Rates per 100,000 population were calculated for (1) the numbers of diagnoses of HIV infection and infections classified as stage 3 (AIDS) and (2) the numbers of persons living with diagnosed HIV infection and persons living with infection ever classified as stage 3 (AIDS).

The population denominators used to compute these rates for the 50 states, the District of Columbia, and Puerto Rico were based on the Vintage 2016 postcensal estimates file (for years 2011–2016) from the U.S. Census Bureau [8]. The population denominators for American Samoa, Guam, the Northern Mariana Islands, the Republic of Palau, and the U.S. Virgin Islands were based on estimates and projections from the U.S. Census Bureau’s International Data Base [9]. Each rate was calculated by dividing the total number of diagnoses (or prevalence) for the calendar year by the population for that calendar year and then multiplying the result 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 [8]. The same method was used to calculate the denominators for Puerto Rico, with the exception of race/ethnicity estimates; these data are not available for Puerto Rico (see next paragraph). For the other 5 U.S. dependent areas, estimates from the U.S. Census Bureau’s International Data Base were used for age- and sex-specific population denominators [9].

CDC currently does not provide subpopulation rates by race/ethnicity for the 6 U.S. dependent areas because the U.S. Census Bureau does not collect information from all U.S. 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.

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Table 1a. Diagnoses of HIV infection, by year of diagnosis, age group, and selected characteristics, 2011–2016—United States

	2011		2012		2013		2014		2015		2016	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
13–19 years of age at diagnosis												
Race/ethnicity												
American Indian/Alaska Native	9	3.4	7	2.7	2	0.8	7	2.7	9	3.6	2	0.8
Asian	18	1.4	18	1.4	11	0.8	22	1.6	27	1.9	24	1.6
Black/African American	1,267	28.7	1,216	28.2	1,097	25.8	1,081	25.8	1,100	26.6	1,065	26.0
Hispanic/Latino ^b	390	6.1	388	6.1	337	5.2	363	5.5	347	5.2	344	5.1
Native Hawaiian/Other Pacific Islander	2	3.5	1	1.8	1	1.8	2	3.6	4	7.1	1	1.8
White	246	1.5	218	1.3	187	1.2	206	1.3	208	1.3	225	1.4
Multiple races	103	11.8	99	11.0	86	9.3	83	8.7	57	5.8	53	5.3
Transmission category^c												
Males												
Male-to-male sexual contact	1,469	—	1,442	—	1,280	—	1,327	—	1,383	—	1,333	—
Injection drug use	13	—	21	—	13	—	11	—	10	—	14	—
Male-to-male sexual contact and injection drug use	48	—	49	—	48	—	48	—	53	—	48	—
Heterosexual contact ^d	47	—	46	—	47	—	36	—	40	—	43	—
Other ^e	13	—	16	—	9	—	10	—	10	—	7	—
Subtotal	1,590	10.4	1,575	10.4	1,396	9.2	1,431	9.5	1,496	10.0	1,445	9.6
Females												
Injection drug use	33	—	34	—	28	—	30	—	23	—	16	—
Heterosexual contact ^d	388	—	324	—	279	—	284	—	222	—	228	—
Other ^e	24	—	15	—	18	—	19	—	11	—	24	—
Subtotal	445	3.1	372	2.6	325	2.3	333	2.3	256	1.8	269	1.9
Region of residence^f												
Northeast	344	6.6	297	5.7	271	5.3	272	5.4	249	5.0	216	4.4
Midwest	327	5.0	335	5.2	304	4.8	305	4.8	274	4.3	316	5.0
South	1,120	10.2	1,066	9.7	927	8.4	942	8.5	993	9.0	947	8.5
West	244	3.4	249	3.5	219	3.1	245	3.5	236	3.4	235	3.4
Subtotal, 13–19 years of age	2,035	6.8	1,947	6.6	1,721	5.8	1,764	6.0	1,752	6.0	1,714	5.8
20–24 years of age at diagnosis												
Race/ethnicity												
American Indian/Alaska Native	19	10.0	29	14.7	25	12.4	33	16.3	39	19.6	36	18.6
Asian	100	8.6	92	7.7	109	8.9	144	11.6	145	11.6	130	10.3
Black/African American	3,908	122.2	3,813	114.6	3,811	111.6	3,956	114.9	3,802	112.1	3,584	108.7
Hispanic/Latino ^b	1,419	31.9	1,556	34.1	1,476	31.7	1,677	35.3	1,721	36.0	1,634	34.0
Native Hawaiian/Other Pacific Islander	11	22.7	10	20.5	6	12.4	7	14.7	12	26.0	2	4.5
White	1,248	9.9	1,259	9.9	1,275	10.0	1,271	10.1	1,297	10.4	1,221	10.0
Multiple races	350	72.5	385	74.7	341	62.5	281	48.9	248	41.3	219	35.3
Transmission category^c												
Males												
Male-to-male sexual contact	5,495	—	5,702	—	5,686	—	5,988	—	5,838	—	5,524	—
Injection drug use	76	—	87	—	86	—	84	—	113	—	84	—
Male-to-male sexual contact and injection drug use	277	—	261	—	270	—	220	—	259	—	232	—
Heterosexual contact ^d	209	—	229	—	192	—	213	—	213	—	246	—
Other ^e	7	—	6	—	6	—	8	—	7	—	4	—
Subtotal	6,064	53.6	6,284	54.4	6,240	53.4	6,512	55.5	6,429	55.2	6,091	53.0
Females												
Injection drug use	100	—	97	—	86	—	92	—	103	—	79	—
Heterosexual contact ^d	887	—	757	—	702	—	761	—	723	—	648	—
Other ^e	4	—	6	—	15	—	4	—	9	—	9	—
Subtotal	991	9.1	860	7.8	803	7.2	857	7.7	835	7.6	735	6.7
Region of residence^f												
Northeast	1,125	29.0	1,141	29.2	1,086	27.6	1,069	27.2	975	25.0	906	23.6
Midwest	1,062	22.8	1,097	23.0	1,126	23.3	1,082	22.3	1,109	23.0	1,008	21.2
South	3,807	46.1	3,729	44.2	3,707	43.4	3,978	46.5	3,900	45.9	3,659	43.7
West	1,061	19.8	1,177	21.5	1,124	20.3	1,240	22.4	1,280	23.3	1,253	23.2
Subtotal, 20–24 years of age	7,055	31.8	7,144	31.6	7,043	30.9	7,369	32.2	7,264	32.0	6,826	30.5
Total	9,090	17.5	9,091	17.4	8,764	16.7	9,133	17.4	9,016	17.3	8,540	16.5

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

^a Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^b Hispanics/Latinos can be of any race.

^c Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^d Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^e Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^f Data are based on residence at time of diagnosis of HIV infection.

Table 1b. Diagnoses of HIV infection, by year of diagnosis, age group, and selected characteristics, 2011–2016—United States and 6 dependent areas

	2011		2012		2013		2014		2015		2016	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
13–19 years of age at diagnosis												
Race/ethnicity												
American Indian/Alaska Native	9	—	7	—	2	—	7	—	9	—	2	—
Asian	18	—	18	—	11	—	22	—	27	—	24	—
Black/African American	1,267	—	1,216	—	1,097	—	1,081	—	1,100	—	1,065	—
Hispanic/Latino ^b	412	—	408	—	357	—	388	—	355	—	357	—
Native Hawaiian/Other Pacific Islander	2	—	2	—	1	—	2	—	4	—	1	—
White	246	—	218	—	187	—	206	—	208	—	225	—
Multiple races	103	—	99	—	86	—	84	—	57	—	53	—
Transmission category^c												
Males												
Male-to-male sexual contact	1,478	—	1,455	—	1,294	—	1,344	—	1,386	—	1,342	—
Injection drug use	15	—	23	—	13	—	11	—	11	—	15	—
Male-to-male sexual contact and injection drug use	50	—	50	—	48	—	48	—	53	—	48	—
Heterosexual contact ^d	48	—	47	—	49	—	36	—	41	—	43	—
Other ^e	14	—	16	—	9	—	10	—	10	—	7	—
Subtotal	1,605	10.3	1,590	10.3	1,412	9.2	1,449	9.5	1,501	9.9	1,455	9.6
Females												
Injection drug use	33	—	34	—	28	—	30	—	23	—	16	—
Heterosexual contact ^d	395	—	330	—	283	—	292	—	225	—	231	—
Other ^e	24	—	15	—	18	—	19	—	11	—	24	—
Subtotal	452	3.1	378	2.6	329	2.3	341	2.3	259	1.8	272	1.9
Region of residence^f												
Northeast	344	6.6	297	5.7	271	5.3	272	5.4	249	5.0	216	4.4
Midwest	327	5.0	335	5.2	304	4.8	305	4.8	274	4.3	316	5.0
South	1,120	10.2	1,066	9.7	927	8.4	942	8.5	993	9.0	947	8.5
West	244	3.4	249	3.5	219	3.1	245	3.5	236	3.4	235	3.4
U.S. dependent areas	22	5.1	21	5.1	20	4.9	26	6.7	8	2.1	13	3.6
Subtotal, 13–19 years of age	2,057	6.8	1,968	6.5	1,741	5.8	1,790	6.0	1,760	5.9	1,727	5.8
20–24 years of age at diagnosis												
Race/ethnicity												
American Indian/Alaska Native	19	—	29	—	25	—	33	—	39	—	36	—
Asian	100	—	92	—	109	—	144	—	145	—	130	—
Black/African American	3,910	—	3,813	—	3,813	—	3,956	—	3,803	—	3,585	—
Hispanic/Latino ^b	1,501	—	1,659	—	1,565	—	1,788	—	1,800	—	1,702	—
Native Hawaiian/Other Pacific Islander	11	—	10	—	6	—	8	—	13	—	4	—
White	1,248	—	1,259	—	1,275	—	1,272	—	1,297	—	1,223	—
Multiple races	350	—	385	—	341	—	281	—	249	—	219	—
Transmission category^c												
Males												
Male-to-male sexual contact	5,548	—	5,775	—	5,753	—	6,074	—	5,898	—	5,586	—
Injection drug use	81	—	92	—	88	—	88	—	114	—	87	—
Male-to-male sexual contact and injection drug use	281	—	264	—	272	—	222	—	262	—	232	—
Heterosexual contact ^d	216	—	233	—	199	—	221	—	220	—	247	—
Other ^e	7	—	6	—	6	—	8	—	7	—	4	—
Subtotal	6,133	53.5	6,369	54.5	6,318	53.4	6,613	55.7	6,500	55.1	6,157	53.0
Females												
Injection drug use	102	—	101	—	86	—	94	—	104	—	80	—
Heterosexual contact ^d	900	—	771	—	715	—	772	—	733	—	654	—
Other ^e	4	—	6	—	15	—	4	—	9	—	9	—
Subtotal	1,006	9.1	878	7.8	816	7.2	869	7.7	846	7.6	742	6.7
Region of residence^f												
Northeast	1,125	29.0	1,141	29.2	1,086	27.6	1,069	27.2	975	25.0	906	23.6
Midwest	1,062	22.8	1,097	23.0	1,126	23.3	1,082	22.3	1,109	23.0	1,008	21.2
South	3,807	46.1	3,729	44.2	3,707	43.4	3,978	46.5	3,900	45.9	3,659	43.7
West	1,061	19.8	1,177	21.5	1,124	20.3	1,240	22.4	1,280	23.3	1,253	23.2
U.S. dependent areas	84	28.7	103	35.2	91	31.1	113	39.2	82	29.3	73	27.0
Subtotal, 20–24 years of age	7,139	31.8	7,247	31.7	7,134	30.9	7,482	32.3	7,346	32.0	6,899	30.5
Total	9,196	17.4	9,215	17.4	8,875	16.7	9,272	17.5	9,106	17.3	8,626	16.5

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

^a Rates are per 100,000 population. Rates by race/ethnicity are not provided because U.S. census information is limited for U.S. dependent areas. Rates are not calculated by transmission category because of the lack of denominator data.

^b Hispanics/Latinos can be of any race.

^c Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^d Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^e Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^f Data are based on residence at time of diagnosis of HIV infection.

Table 2a. Stage 3 (AIDS), by year of diagnosis, age group, and selected characteristics, 2011–2016 and cumulative—United States

	2011		2012		2013		2014		2015		2016		Cumulative ^a No.
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	
13–19 years of age at diagnosis													
Race/ethnicity													
American Indian/Alaska Native	2	0.7	1	0.4	0	0.0	0	0.0	2	0.8	0	0.0	28
Asian ^c	2	0.2	5	0.4	3	0.2	0	0.0	3	0.2	3	0.2	61
Black/African American	307	7.0	257	6.0	265	6.2	145	3.5	139	3.4	155	3.8	6,339
Hispanic/Latino ^d	95	1.5	76	1.2	80	1.2	34	0.5	31	0.5	43	0.6	2,087
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7
White	40	0.2	37	0.2	24	0.1	13	0.1	16	0.1	15	0.1	1,691
Multiple races	29	3.3	11	1.2	41	4.4	11	1.2	6	0.6	12	1.2	530
Transmission category^e													
Males													
Male-to-male sexual contact	260	—	222	—	241	—	113	—	112	—	128	—	3,943
Injection drug use	1	—	4	—	3	—	2	—	1	—	1	—	231
Male-to-male sexual contact and injection drug use	8	—	9	—	9	—	4	—	7	—	7	—	394
Heterosexual contact ^f	5	—	10	—	8	—	4	—	3	—	7	—	310
Other ^g	50	—	36	—	32	—	18	—	23	—	25	—	1,774
Subtotal	323	2.1	282	1.9	293	1.9	141	0.9	146	1.0	168	1.1	6,652
Females													
Injection drug use	6	—	5	—	4	—	3	—	3	—	1	—	514
Heterosexual contact ^f	69	—	53	—	52	—	29	—	21	—	26	—	2,330
Other ^g	76	—	47	—	65	—	30	—	27	—	33	—	1,247
Subtotal	152	1.0	105	0.7	120	0.8	62	0.4	51	0.4	60	0.4	4,091
Region of residence^h													
Northeast	91	1.7	76	1.5	67	1.3	42	0.8	42	0.8	41	0.8	2,850
Midwest	75	1.1	60	0.9	51	0.8	33	0.5	27	0.4	47	0.7	1,434
South	259	2.3	206	1.9	262	2.4	112	1.0	112	1.0	121	1.1	5,156
West	50	0.7	45	0.6	33	0.5	16	0.2	16	0.2	19	0.3	1,303
Subtotal, 13–19 years of age	475	1.6	387	1.3	413	1.4	203	0.7	197	0.7	228	0.8	10,743
20–24 years of age at diagnosis													
Race/ethnicity													
American Indian/Alaska Native	5	2.6	6	3.0	4	2.0	2	1.0	9	4.5	7	3.6	186
Asian ^c	15	1.3	13	1.1	21	1.7	22	1.8	16	1.3	20	1.6	407
Black/African American	1,204	37.7	1,137	34.2	1,209	35.4	785	22.8	773	22.8	748	22.7	26,786
Hispanic/Latino ^d	396	8.9	432	9.5	376	8.1	289	6.1	285	6.0	293	6.1	11,627
Native Hawaiian/Other Pacific Islander	5	10.3	2	4.1	1	2.1	0	0.0	4	8.7	1	2.2	39
White	243	1.9	214	1.7	238	1.9	181	1.4	158	1.3	141	1.2	12,655
Multiple races	115	23.8	107	20.8	154	28.2	72	12.5	63	10.5	48	7.7	2,097
Transmission category^e													
Males													
Male-to-male sexual contact	1,455	—	1,445	—	1,510	—	1,003	—	957	—	897	—	29,868
Injection drug use	25	—	27	—	20	—	15	—	16	—	15	—	2,790
Male-to-male sexual contact and injection drug use	90	—	75	—	66	—	49	—	42	—	44	—	3,931
Heterosexual contact ^f	54	—	65	—	68	—	44	—	41	—	58	—	2,269
Other ^g	31	—	30	—	34	—	22	—	37	—	25	—	1,064
Subtotal	1,655	14.6	1,641	14.2	1,697	14.5	1,133	9.7	1,094	9.4	1,040	9.1	39,922
Females													
Injection drug use	35	—	18	—	20	—	26	—	25	—	14	—	3,270
Heterosexual contact ^f	267	—	218	—	236	—	154	—	153	—	160	—	10,133
Other ^g	27	—	34	—	50	—	38	—	36	—	45	—	475
Subtotal	328	3.0	270	2.4	306	2.7	218	2.0	214	1.9	218	2.0	13,879
Region of residence^h													
Northeast	344	8.9	332	8.5	301	7.7	206	5.2	182	4.7	186	4.8	11,547
Midwest	292	6.3	284	6.0	315	6.5	217	4.5	220	4.6	222	4.7	7,091
South	1,070	13.0	1,018	12.1	1,138	13.3	750	8.8	718	8.5	692	8.3	26,025
West	277	5.2	277	5.0	249	4.5	178	3.2	188	3.4	158	2.9	9,138
Subtotal, 20–24 years of age	1,983	8.9	1,911	8.5	2,003	8.8	1,351	5.9	1,308	5.8	1,258	5.6	53,801
Totalⁱ	2,458	4.7	2,298	4.4	2,416	4.6	1,554	3.0	1,505	2.9	1,486	2.9	64,544

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

^a From the beginning of the epidemic through 2016.

^b Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^c Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^d Hispanics/Latinos can be of any race.

^e Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^f Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^g Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^h Data are based on residence at time of stage 3 (AIDS) classification.

ⁱ Cumulative total includes persons whose race/ethnicity is unknown.

Table 2b. Stage 3 (AIDS), by year of diagnosis, age group, and selected characteristics, 2011–2016 and cumulative—United States and 6 dependent areas

	2011		2012		2013		2014		2015		2016		Cumulative ^a
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.
13–19 years of age at diagnosis													
Race/ethnicity													
American Indian/Alaska Native	2	—	1	—	0	—	0	—	2	—	0	—	28
Asian ^c	2	—	5	—	3	—	0	—	3	—	3	—	61
Black/African American	307	—	258	—	265	—	145	—	139	—	155	—	6,342
Hispanic/Latino ^d	105	—	77	—	86	—	39	—	31	—	46	—	2,386
Native Hawaiian/Other Pacific Islander	0	—	0	—	0	—	0	—	0	—	0	—	7
White	40	—	37	—	24	—	13	—	16	—	15	—	1,691
Multiple races	29	—	11	—	41	—	11	—	6	—	12	—	530
Transmission category^e													
Males													
Male-to-male sexual contact	262	—	222	—	242	—	115	—	112	—	131	—	3,990
Injection drug use	1	—	4	—	3	—	2	—	1	—	1	—	270
Male-to-male sexual contact and injection drug use	9	—	9	—	9	—	4	—	7	—	7	—	412
Heterosexual contact ^f	5	—	10	—	8	—	4	—	3	—	7	—	325
Other ^g	53	—	37	—	34	—	18	—	23	—	25	—	1,840
Subtotal	329	2.1	283	1.8	296	1.9	143	0.9	146	1.0	171	1.1	6,837
Females													
Injection drug use	6	—	5	—	4	—	3	—	3	—	1	—	547
Heterosexual contact ^f	71	—	53	—	54	—	31	—	21	—	26	—	2,381
Other ^g	78	—	48	—	66	—	31	—	27	—	33	—	1,281
Subtotal	156	1.1	106	0.7	123	0.8	65	0.4	51	0.4	60	0.4	4,208
Region of residence^h													
Northeast	91	1.7	76	1.5	67	1.3	42	0.8	42	0.8	41	0.8	2,850
Midwest	75	1.1	60	0.9	51	0.8	33	0.5	27	0.4	47	0.7	1,434
South	259	2.3	206	1.9	262	2.4	112	1.0	112	1.0	121	1.1	5,156
West	50	0.7	45	0.6	33	0.5	16	0.2	16	0.2	19	0.3	1,303
U.S. dependent areas	10	2.3	2	0.5	6	1.5	5	1.3	0	0.0	3	0.8	302
Subtotal, 13–19 years of age	485	1.6	389	1.3	419	1.4	208	0.7	197	0.7	231	0.8	11,045
20–24 years of age at diagnosis													
Race/ethnicity													
American Indian/Alaska Native	5	—	6	—	4	—	2	—	9	—	7	—	187
Asian ^c	15	—	13	—	21	—	22	—	16	—	20	—	409
Black/African American	1,204	—	1,137	—	1,209	—	785	—	774	—	748	—	26,798
Hispanic/Latino ^d	412	—	451	—	397	—	308	—	296	—	307	—	13,057
Native Hawaiian/Other Pacific Islander	5	—	2	—	1	—	0	—	4	—	2	—	41
White	243	—	214	—	238	—	181	—	158	—	142	—	12,658
Multiple races	115	—	107	—	154	—	72	—	63	—	48	—	2,099
Transmission category^e													
Males													
Male-to-male sexual contact	1,463	—	1,456	—	1,525	—	1,017	—	966	—	907	—	30,193
Injection drug use	27	—	28	—	22	—	15	—	16	—	16	—	3,191
Male-to-male sexual contact and injection drug use	91	—	75	—	68	—	49	—	42	—	44	—	4,058
Heterosexual contact ^f	55	—	66	—	69	—	44	—	43	—	58	—	2,346
Other ^g	31	—	32	—	34	—	23	—	37	—	27	—	1,081
Subtotal	1,667	14.6	1,656	14.2	1,717	14.5	1,148	9.7	1,105	9.4	1,053	9.1	40,869
Females													
Injection drug use	35	—	18	—	20	—	26	—	25	—	14	—	3,492
Heterosexual contact ^f	269	—	221	—	237	—	155	—	154	—	162	—	10,403
Other ^g	29	—	35	—	50	—	41	—	36	—	46	—	488
Subtotal	332	3.0	274	2.4	307	2.7	222	2.0	215	1.9	221	2.0	14,384
Region of residence^h													
Northeast	344	8.9	332	8.5	301	7.7	206	5.2	182	4.7	186	4.8	11,547
Midwest	292	6.3	284	6.0	315	6.5	217	4.5	220	4.6	222	4.7	7,091
South	1,070	13.0	1,018	12.1	1,138	13.3	750	8.8	718	8.5	692	8.3	26,025
West	277	5.2	277	5.0	249	4.5	178	3.2	188	3.4	158	2.9	9,138
U.S. dependent areas	16	5.5	19	6.5	21	7.2	19	6.6	12	4.3	16	5.9	1,452
Subtotal, 20–24 years of age	1,999	8.9	1,930	8.4	2,024	8.8	1,370	5.9	1,320	5.7	1,274	5.6	55,253
Totalⁱ	2,484	4.7	2,319	4.4	2,443	4.6	1,578	3.0	1,517	2.9	1,505	2.9	66,298

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

^a From the beginning of the epidemic through 2016.

^b Rates are per 100,000 population. Rates by race/ethnicity are not provided because U.S. census information for U.S. dependent areas is limited. Rates are not calculated by transmission category because of the lack of denominator data.

^c Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^d Hispanics/Latinos can be of any race.

^e Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^f Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^g Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^h Data are based on residence at time of stage 3 (AIDS) classification.

ⁱ Cumulative total includes persons whose race/ethnicity is unknown.

Table 3a. Diagnoses of HIV infection, by race/ethnicity, age group, and selected characteristics, 2016—United States

	American Indian/ Alaska Native		Asian		Black/ African American		Hispanic/Latino ^a		Native Hawaiian/ Other Pacific Islander		White		Multiple races		Total	
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
13–19 years of age at diagnosis																
Transmission category^c																
Males																
Male-to-male sexual contact	2	—	20	—	816	—	289	—	1	—	165	—	41	—	1,333	—
Injection drug use	0	—	0	—	8	—	2	—	0	—	4	—	0	—	14	—
Male-to-male sexual contact and injection drug use	0	—	0	—	21	—	11	—	0	—	13	—	3	—	48	—
Heterosexual contact ^d	0	—	0	—	34	—	6	—	0	—	3	—	0	—	43	—
Other ^e	0	—	1	—	4	—	1	—	0	—	0	—	0	—	7	—
Subtotal	2	1.6	21	2.9	883	42.5	309	9.0	1	3.5	185	2.3	44	8.7	1,445	9.6
Females																
Injection drug use	0	—	0	—	7	—	3	—	0	—	5	—	1	—	16	—
Heterosexual contact ^d	0	—	1	—	157	—	30	—	0	—	33	—	7	—	228	—
Other ^e	0	—	2	—	17	—	2	—	0	—	2	—	1	—	24	—
Subtotal	0	0.0	3	0.4	182	9.0	35	1.1	0	0.0	40	0.5	9	1.8	269	1.9
Region of residence^f																
Northeast	0	0.0	3	1.0	121	19.4	59	6.8	0	0.0	25	0.8	8	5.8	216	4.4
Midwest	1	2.2	7	3.4	222	29.7	31	4.5	0	0.0	48	1.1	7	3.3	316	5.0
South	0	0.0	3	0.8	657	27.3	146	6.0	0	0.0	108	2.0	33	10.1	947	8.5
West	1	0.9	11	1.9	65	20.1	108	3.9	1	2.3	44	1.6	5	1.5	235	3.4
Subtotal, 13–19 years of age	2	0.8	24	1.6	1,065	26.0	344	5.1	1	1.8	225	1.4	53	5.3	1,714	5.8

Table 3a. Diagnoses of HIV infection, by race/ethnicity, age group, and selected characteristics, 2016—United States (*cont*)

	American Indian/ Alaska Native		Asian		Black/ African American		Hispanic/Latino ^a		Native Hawaiian/ Other Pacific Islander		White		Multiple races		Total	
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
20–24 years of age at diagnosis																
Transmission category^c																
Males																
Male-to-male sexual contact	27	—	111	—	2,892	—	1,400	—	1	—	919	—	174	—	5,524	—
Injection drug use	3	—	0	—	30	—	18	—	0	—	30	—	2	—	84	—
Male-to-male sexual contact and injection drug use	4	—	4	—	67	—	55	—	0	—	90	—	13	—	232	—
Heterosexual contact ^d	0	—	3	—	152	—	52	—	0	—	33	—	6	—	246	—
Other ^e	0	—	0	—	2	—	0	—	0	—	1	—	1	—	4	—
Subtotal	34	34.2	118	18.4	3,143	187.4	1,526	61.4	1	4.3	1,073	17.2	196	62.7	6,091	53.0
Females																
Injection drug use	1	—	1	—	24	—	12	—	0	—	38	—	2	—	79	—
Heterosexual contact ^d	1	—	11	—	410	—	95	—	1	—	109	—	21	—	648	—
Other ^e	0	—	0	—	7	—	1	—	0	—	1	—	0	—	9	—
Subtotal	2	2.1	12	1.9	441	27.2	108	4.7	1	4.6	148	2.5	23	7.5	735	6.7
Region of residence^f																
Northeast			25	9.0	401	78.0	283	42.4	0	0.0	159	7.0	37	43.3	906	23.6
Midwest	3	8.8	19	9.4	626	104.2	105	23.3	0	0.0	211	6.3	44	34.9	1,008	21.2
South	8	12.6	28	9.6	2,306	121.4	664	39.4	0	0.0	558	13.2	95	49.3	3,659	43.7
West	24	27.7	58	11.8	251	88.6	582	29.1	2	6.0	293	12.8	43	19.9	1,253	23.2
Subtotal, 20–24 years of age	36	18.6	130	10.3	3,584	108.7	1,634	34.0	2	4.5	1,221	10.0	219	35.3	6,826	30.5
Total	38	8.5	154	5.7	4,649	62.8	1,978	17.1	3	3.0	1,446	5.2	272	16.7	8,540	16.5

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

^a Hispanics/Latinos can be of any race.

^b Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^c Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^d Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^e Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^f Data are based on residence at time of diagnosis of HIV infection.

Table 3b. Diagnoses of HIV infection, by race/ethnicity, age group, and selected characteristics, 2016—United States and 6 dependent areas

	American Indian/ Alaska Native	Asian	Black/ African American	Hispanic/Latino ^a	Native Hawaiian/ Other Pacific Islander	White	Multiple races	Total
	No.	No.	No.	No.	No.	No.	No.	No.
13–19 years of age at diagnosis								
Transmission category^b								
Males								
Male-to-male sexual contact	2	20	816	298	1	165	41	1,342
Injection drug use	0	0	8	3	0	4	0	15
Male-to-male sexual contact and injection drug use	0	0	21	11	0	13	3	48
Heterosexual contact ^c	0	0	34	6	0	3	0	43
Other ^d	0	1	4	1	0	0	0	7
Subtotal	2	21	883	319	1	185	44	1,455
Females								
Injection drug use	0	0	7	3	0	5	1	16
Heterosexual contact ^c	0	1	157	33	0	33	7	231
Other ^d	0	2	17	2	0	2	1	24
Subtotal	0	3	182	38	0	40	9	272
Region of residence^e								
Northeast	0	3	121	59	0	25	8	216
Midwest	1	7	222	31	0	48	7	316
South	0	3	657	146	0	108	33	947
West	1	11	65	108	1	44	5	235
U.S. dependent areas	0	0	0	13	0	0	0	13
Subtotal, 13–19 years of age	2	24	1,065	357	1	225	53	1,727

Table 3b. Diagnoses of HIV infection, by race/ethnicity, age group, and selected characteristics, 2016—United States and 6 dependent areas (*cont*)

	American Indian/ Alaska Native	Asian	Black/ African American	Hispanic/Latino ^a	Native Hawaiian/ Other Pacific Islander	White	Multiple races	Total
	No.	No.	No.	No.	No.	No.	No.	No.
20–24 years of age at diagnosis								
Transmission category^b								
Males								
Male-to-male sexual contact	27	111	2,893	1,458	3	920	174	5,586
Injection drug use	3	0	30	22	0	30	2	87
Male-to-male sexual contact and injection drug use	4	4	67	55	0	90	13	232
Heterosexual contact ^c	0	3	152	53	0	33	6	247
Other ^d	0	0	2	0	0	1	1	4
Subtotal	34	118	3,144	1,588	3	1,074	196	6,157
Females								
Injection drug use	1	1	24	13	0	38	2	80
Heterosexual contact ^c	1	11	410	100	1	110	21	654
Other ^d	0	0	7	1	0	1	0	9
Subtotal	2	12	441	114	1	149	23	742
Region of residence^e								
Northeast	1	25	401	283	0	159	37	906
Midwest	3	19	626	105	0	211	44	1,008
South	8	28	2,306	664	0	558	95	3,659
West	24	58	251	582	2	293	43	1,253
U.S. dependent areas	0	0	1	68	2	2	0	73
Subtotal, 20–24 years of age	36	130	3,585	1,702	4	1,223	219	6,899
Total	38	154	4,650	2,059	5	1,448	272	8,626

Note. Numbers less than 12 should be interpreted with caution.

^a Hispanics/Latinos can be of any race.

^b Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^c Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^d Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^e Data are based on residence at time of diagnosis of HIV infection.

Table 4a. Stage 3 (AIDS), by race/ethnicity, age group, and selected characteristics, 2016—United States

	American Indian/ Alaska Native		Asian ^a		Black/ African American		Hispanic/Latino ^b		Native Hawaiian/ Other Pacific Islander		White		Multiple races		Total	
	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c
13–19 years of age at diagnosis																
Transmission category^d																
Males																
Male-to-male sexual contact	0	—	2	—	88	—	23	—	0	—	10	—	5	—	128	—
Injection drug use	0	—	0	—	1	—	0	—	0	—	0	—	0	—	1	—
Male-to-male sexual contact and injection drug use	0	—	0	—	3	—	1	—	0	—	1	—	2	—	7	—
Heterosexual contact ^e	0	—	0	—	7	—	0	—	0	—	0	—	0	—	7	—
Other ^f	0	—	1	—	15	—	5	—	0	—	1	—	3	—	25	—
Subtotal	0	0.0	3	0.4	113	5.4	30	0.9	0	0.0	12	0.1	10	2.0	168	1.1
Females																
Injection drug use	0	—	0	—	1	—	0	—	0	—	0	—	0	—	1	—
Heterosexual contact ^e	0	—	0	—	18	—	7	—	0	—	2	—	0	—	26	—
Other ^f	0	—	0	—	24	—	6	—	0	—	1	—	2	—	33	—
Subtotal	0	0.0	0	0.0	42	2.1	13	0.4	0	0.0	3	0.0	2	0.4	60	0.4
Region of residence^g																
Northeast	0	0.0	1	0.3	19	3.0	13	1.5	0	0.0	1	0.0	7	5.1	41	0.8
Midwest	0	0.0	0	0.0	39	5.2	2	0.3	0	0.0	5	0.1	1	0.5	47	0.7
South	0	0.0	1	0.3	92	3.8	21	0.9	0	0.0	5	0.1	2	0.6	121	1.1
West	0	0.0	1	0.2	5	1.5	7	0.3	0	0.0	4	0.1	2	0.6	19	0.3
Subtotal, 13–19 years of age	0	0.0	3	0.2	155	3.8	43	0.6	0	0.0	15	0.1	12	1.2	228	0.8

Table 4a. Stage 3 (AIDS), by race/ethnicity, age group, and selected characteristics, 2016—United States (cont)

	American Indian/ Alaska Native		Asian ^a		Black/ African American		Hispanic/Latino ^b		Native Hawaiian/ Other Pacific Islander		White		Multiple races		Total	
	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c
20–24 years of age at diagnosis																
Transmission category^d																
Males																
Male-to-male sexual contact	3	—	18	—	541	—	216	—	1	—	91	—	28	—	897	—
Injection drug use	0	—	0	—	4	—	6	—	0	—	6	—	0	—	15	—
Male-to-male sexual contact and injection drug use	3	—	0	—	13	—	12	—	0	—	12	—	5	—	44	—
Heterosexual contact ^e	0	—	0	—	37	—	16	—	0	—	3	—	2	—	58	—
Other ^f	0	—	0	—	16	—	4	—	0	—	2	—	3	—	25	—
Subtotal	6	6.0	18	2.8	610	36.4	253	10.2	1	4.3	114	1.8	38	12.2	1,040	9.1
Females																
Injection drug use	1	—	0	—	5	—	3	—	0	—	5	—	0	—	14	—
Heterosexual contact ^e	0	—	2	—	106	—	26	—	0	—	19	—	6	—	160	—
Other ^f	0	—	0	—	27	—	11	—	0	—	3	—	4	—	45	—
Subtotal	1	1.1	2	0.3	138	8.5	40	1.7	0	0.0	27	0.5	10	3.2	218	2.0
Region of residence^g																
Northeast	0	0.0	3	1.1	99	19.2	59	8.8	0	0.0	14	0.6	11	12.9	186	4.8
Midwest	1	2.9	6	3.0	144	24.0	28	6.2	0	0.0	36	1.1	7	5.6	222	4.7
South	1	1.6	3	1.0	466	24.5	128	7.6	0	0.0	67	1.6	27	14.0	692	8.3
West	5	5.8	8	1.6	39	13.8	78	3.9	1	3.0	24	1.0	3	1.4	158	2.9
Subtotal, 20–24 years of age	7	3.6	20	1.6	748	22.7	293	6.1	1	2.2	141	1.2	48	7.7	1,258	5.6
Total	7	1.6	23	0.8	903	12.2	336	2.9	1	1.0	156	0.6	60	3.7	1,486	2.9

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

^a Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^b Hispanics/Latinos can be of any race.

^c Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^d Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^e Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^f Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^g Data are based on residence at time of stage 3 (AIDS) classification.

Table 4b. Stage 3 (AIDS), by race/ethnicity, age group, and selected characteristics, 2016—United States and 6 dependent areas

	American Indian/ Alaska Native	Asian ^a	Black/ African American	Hispanic/Latino ^b	Native Hawaiian/ Other Pacific Islander	White	Multiple races	Total
	No.	No.	No.	No.	No.	No.	No.	No.
13–19 years of age at diagnosis								
Transmission category^c								
Males								
Male-to-male sexual contact	0	2	88	26	0	10	5	131
Injection drug use	0	0	1	0	0	0	0	1
Male-to-male sexual contact and injection drug use	0	0	3	1	0	1	2	7
Heterosexual contact ^d	0	0	7	0	0	0	0	7
Other ^e	0	1	15	5	0	1	3	25
Subtotal	0	3	113	33	0	12	10	171
Females								
Injection drug use	0	0	1	0	0	0	0	1
Heterosexual contact ^d	0	0	18	7	0	2	0	26
Other ^e	0	0	24	6	0	1	2	33
Subtotal	0	0	42	13	0	3	2	60
Region of residence^f								
Northeast	0	1	19	13	0	1	7	41
Midwest	0	0	39	2	0	5	1	47
South	0	1	92	21	0	5	2	121
West	0	1	5	7	0	4	2	19
U.S. dependent areas	0	0	0	3	0	0	0	3
Subtotal, 13–19 years of age	0	3	155	46	0	15	12	231

Table 4b. Stage 3 (AIDS), by race/ethnicity, age group, and selected characteristics, 2016—United States and 6 dependent areas (*cont*)

	American Indian/ Alaska Native	Asian ^a	Black/ African American	Hispanic/Latino ^b	Native Hawaiian/ Other Pacific Islander	White	Multiple races	Total
	No.	No.	No.	No.	No.	No.	No.	No.
20–24 years of age at diagnosis								
Transmission category^c								
Males								
Male-to-male sexual contact	3	18	541	225	2	91	28	907
Injection drug use	0	0	4	7	0	6	0	16
Male-to-male sexual contact and injection drug use	3	0	13	12	0	12	5	44
Heterosexual contact ^d	0	0	37	16	0	3	2	58
Other ^e	0	0	16	6	0	2	3	27
Subtotal	6	18	610	265	2	114	38	1,053
Females								
Injection drug use	1	0	5	3	0	5	0	14
Heterosexual contact ^d	0	2	106	27	0	20	6	162
Other ^e	0	0	27	12	0	3	4	46
Subtotal	1	2	138	42	0	28	10	221
Region of residence^f								
Northeast	0	3	99	59	0	14	11	186
Midwest	1	6	144	28	0	36	7	222
South	1	3	466	128	0	67	27	692
West	5	8	39	78	1	24	3	158
U.S. dependent areas	0	0	0	14	1	1	0	16
Subtotal, 20–24 years of age	7	20	748	307	2	142	48	1,274
Total	7	23	903	353	2	157	60	1,505

Note. Numbers less than 12 should be interpreted with caution.

^a Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^b Hispanics/Latinos can be of any race.

^c Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^d Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^e Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^f Data are based on residence at time of stage 3 (AIDS) classification.

Table 5a. Diagnoses of HIV infection, by 2-year and 3-year age groups, and selected characteristics, 2016—United States

	Aged 13–14 years at diagnosis		Aged 15–17 years at diagnosis		Aged 18–19 years at diagnosis		Aged 20–22 years at diagnosis		Aged 23–24 years at diagnosis		Total	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Race/ethnicity												
American Indian/Alaska Native	0	0.0	0	0.0	2	2.8	19	16.9	17	20.8	38	8.5
Asian	4	1.0	5	0.8	15	3.5	65	9.0	65	12.0	154	5.7
Black/African American	17	1.5	242	13.6	806	67.3	1,982	103.9	1,602	115.1	4,649	62.8
Hispanic/Latino ^b	3	0.2	77	2.6	264	14.0	865	30.3	769	39.5	1,978	17.1
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	1	6.2	1	3.9	1	5.3	3	3.0
White	0	0.0	38	0.6	187	4.1	627	8.8	594	11.9	1,446	5.2
Multiple races	2	0.7	7	1.6	44	16.3	97	25.3	122	51.4	272	16.7
Transmission category^c												
Males												
Male-to-male sexual contact	5	—	255	—	1,074	—	2,986	—	2,539	—	6,858	—
Injection drug use	0	—	2	—	12	—	36	—	49	—	98	—
Male-to-male sexual contact and injection drug use	0	—	12	—	37	—	124	—	108	—	280	—
Heterosexual contact ^d	0	—	10	—	33	—	117	—	128	—	289	—
Other ^e	4	—	2	—	0	—	2	—	3	—	11	—
Subtotal	9	0.2	280	4.3	1,156	26.7	3,264	48.3	2,827	59.7	7,536	28.5
Females												
Injection drug use	1	—	8	—	7	—	40	—	39	—	95	—
Heterosexual contact ^d	11	—	67	—	150	—	348	—	300	—	876	—
Other ^e	5	—	14	—	5	—	4	—	5	—	33	—
Subtotal	17	0.4	89	1.4	163	3.9	392	6.1	343	7.6	1,004	4.0
Total	26	0.3	369	2.9	1,319	15.6	3,656	27.8	3,170	34.4	8,540	16.5

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

^a Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^b Hispanics/Latinos can be of any race.

^c Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^d Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^e Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

Table 5b. Diagnoses of HIV infection, by 2-year and 3-year age groups, and selected characteristics, 2016—United States and 6 dependent areas

	Aged 13–14 years at diagnosis	Aged 15–17 years at diagnosis	Aged 18–19 years at diagnosis	Aged 20–22 years at diagnosis	Aged 23–24 years at diagnosis	Total
	No.	No.	No.	No.	No.	No.
Race/ethnicity						
American Indian/Alaska Native	0	0	2	19	17	38
Asian	4	5	15	65	65	154
Black/African American	17	242	806	1,983	1,602	4,650
Hispanic/Latino ^a	3	78	276	898	804	2,059
Native Hawaiian/Other Pacific Islander	0	0	1	1	3	5
White	0	38	187	629	594	1,448
Multiple races	2	7	44	97	122	272
Transmission category^b						
Males						
Male-to-male sexual contact	5	256	1,082	3,017	2,570	6,928
Injection drug use	0	2	13	37	51	102
Male-to-male sexual contact and injection drug use	0	12	37	124	108	280
Heterosexual contact ^c	0	10	33	117	129	290
Other ^d	4	2	0	2	3	11
Subtotal	9	281	1,165	3,296	2,861	7,612
Females						
Injection drug use	1	8	7	41	39	96
Heterosexual contact ^c	11	67	153	351	303	885
Other ^d	5	14	5	4	5	33
Subtotal	17	89	166	396	346	1,014
Total	26	370	1,331	3,692	3,207	8,626

Note. Numbers less than 12 should be interpreted with caution.

^a Hispanics/Latinos can be of any race.

^b Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^c Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^d Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

Table 6a. Stage 3 (AIDS), by 2-year and 3-year age groups, and selected characteristics, 2016—United States

	Aged 13–14 years at diagnosis		Aged 15–17 years at diagnosis		Aged 18–19 years at diagnosis		Aged 20–22 years at diagnosis		Aged 23–24 years at diagnosis		Total	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Race/ethnicity												
American Indian/Alaska Native	0	0.0	0	0.0	0	0.0	5	4.5	2	2.4	7	1.6
Asian ^b	0	0.0	3	0.5	0	0.0	12	1.7	8	1.5	23	0.8
Black/African American	7	0.6	44	2.5	104	8.7	357	18.7	391	28.1	903	12.2
Hispanic/Latino ^c	6	0.3	10	0.3	27	1.4	124	4.3	169	8.7	336	2.9
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	0	0.0	0	0.0	1	5.3	1	1.0
White	0	0.0	3	0.0	12	0.3	60	0.8	81	1.6	156	0.6
Multiple races	1	0.3	2	0.5	9	3.3	18	4.7	30	12.6	60	3.7
Transmission category^d												
Males												
Male-to-male sexual contact	1	—	30	—	97	—	405	—	493	—	1,025	—
Injection drug use	0	—	0	—	1	—	3	—	13	—	17	—
Male-to-male sexual contact and injection drug use	0	—	1	—	6	—	22	—	23	—	51	—
Heterosexual contact ^e	0	—	2	—	5	—	24	—	33	—	65	—
Other ^f	6	—	12	—	7	—	15	—	10	—	50	—
Subtotal	7	0.2	45	0.7	116	2.7	469	6.9	571	12.0	1,208	4.6
Females												
Injection drug use	0	—	1	—	0	—	3	—	10	—	15	—
Heterosexual contact ^e	1	—	10	—	15	—	79	—	81	—	186	—
Other ^f	6	—	7	—	20	—	25	—	20	—	78	—
Subtotal	7	0.2	17	0.3	36	0.9	107	1.7	111	2.5	278	1.1
Total	14	0.2	62	0.5	152	1.8	576	4.4	682	7.4	1,486	2.9

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

^a Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^b Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^c Hispanics/Latinos can be of any race.

^d Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^e Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^f Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

Table 6b. Stage 3 (AIDS), by 2-year and 3-year age groups, and selected characteristics, 2016—United States and 6 dependent areas

	Aged 13–14 years at diagnosis	Aged 15–17 years at diagnosis	Aged 18–19 years at diagnosis	Aged 20–22 years at diagnosis	Aged 23–24 years at diagnosis	Total No.
	No.	No.	No.	No.	No.	No.
Race/ethnicity						
American Indian/Alaska Native	0	0	0	5	2	7
Asian ^a	0	3	0	12	8	23
Black/African American	7	44	104	357	391	903
Hispanic/Latino ^b	6	10	30	131	176	353
Native Hawaiian/Other Pacific Islander	0	0	0	0	2	2
White	0	3	12	61	81	157
Multiple races	1	2	9	18	30	60
Transmission category^c						
Males						
Male-to-male sexual contact	1	30	100	412	496	1,038
Injection drug use	0	0	1	3	14	18
Male-to-male sexual contact and injection drug use	0	1	6	22	23	51
Heterosexual contact ^d	0	2	5	24	33	65
Other ^e	6	12	7	15	12	52
Subtotal	7	45	119	476	577	1,224
Females						
Injection drug use	0	1	0	3	10	15
Heterosexual contact ^d	1	10	15	80	82	188
Other ^e	6	7	20	25	21	79
Subtotal	7	17	36	108	113	281
Total	14	62	155	584	690	1,505

Note. Numbers less than 12 should be interpreted with caution.

^a Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^b Hispanics/Latinos can be of any race.

^c Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^d Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^e Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

Table 7. Diagnoses of HIV infection attributed to male-to-male sexual contact, by age group, population of area of residence, and race/ethnicity, 2011–2016—United States and 6 dependent areas

	2011 No.	2012 No.	2013 No.	2014 No.	2015 No.	2016 No.
13–19 years of age at diagnosis						
Metropolitan statistical areas (pop. ≥500,000)						
Race/ethnicity						
American Indian/Alaska Native	5	5	1	1	3	1
Asian	11	11	8	17	19	20
Black/African American	699	717	646	640	680	653
Hispanic/Latino ^a	265	276	233	252	256	258
Native Hawaiian/Other Pacific Islander	0	1	0	1	2	0
White	135	115	96	97	107	106
Multiple races	68	64	48	52	33	34
Subtotal	1,183	1,188	1,032	1,061	1,099	1,072
Metropolitan areas (pop. 50,000–499,999)						
Race/ethnicity						
American Indian/Alaska Native	0	0	0	2	0	0
Asian	1	0	0	0	3	0
Black/African American	126	117	96	117	125	101
Hispanic/Latino ^a	14	26	25	25	23	21
Native Hawaiian/Other Pacific Islander	1	0	0	0	0	1
White	34	25	30	34	31	34
Multiple races	7	9	7	7	6	4
Subtotal	182	177	157	184	188	160
Nonmetropolitan areas (pop. <50,000)						
Race/ethnicity						
American Indian/Alaska Native	1	0	0	1	3	1
Asian	0	0	0	1	1	0
Black/African American	71	42	60	47	55	53
Hispanic/Latino ^a	9	9	6	6	7	7
Native Hawaiian/Other Pacific Islander	0	0	1	0	0	0
White	14	11	9	14	18	24
Multiple races	3	2	5	5	4	3
Subtotal	98	64	82	74	88	88
Subtotal, 13–19 years of age^b	1,469	1,442	1,280	1,327	1,383	1,333
20–24 years of age at diagnosis						
Metropolitan statistical areas (pop. ≥500,000)						
Race/ethnicity						
American Indian/Alaska Native	10	13	12	19	14	13
Asian	85	67	87	125	112	97
Black/African American	2,395	2,419	2,426	2,462	2,399	2,280
Hispanic/Latino ^a	1,033	1,164	1,118	1,276	1,295	1,237
Native Hawaiian/Other Pacific Islander	9	8	0	4	7	1
White	724	741	747	722	722	666
Multiple races	227	251	234	185	175	131
Subtotal	4,483	4,663	4,623	4,793	4,725	4,425
Metropolitan areas (pop. 50,000–499,999)						
Race/ethnicity						
American Indian/Alaska Native	0	1	0	5	7	9
Asian	2	12	10	5	12	13
Black/African American	401	407	421	443	395	392
Hispanic/Latino ^a	103	107	104	117	124	124
Native Hawaiian/Other Pacific Islander	1	1	2	1	3	0
White	154	150	151	172	174	164
Multiple races	29	45	27	27	23	28
Subtotal	690	722	715	770	738	729
Nonmetropolitan areas (pop. <50,000)						
Race/ethnicity						
American Indian/Alaska Native	1	7	5	6	10	5
Asian	1	1	0	0	3	1
Black/African American	164	142	188	235	172	174
Hispanic/Latino ^a	25	34	29	35	36	33
Native Hawaiian/Other Pacific Islander	0	1	0	1	0	0
White	91	77	79	97	86	81
Multiple races	18	13	15	10	8	14
Subtotal	300	274	316	385	314	309
Subtotal, 20–24 years of age^b	5,495	5,702	5,686	5,988	5,838	5,524
Total^b	6,964	7,144	6,966	7,315	7,221	6,858

Abbreviation: pop, population.

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

^a Hispanics/Latinos can be of any race.

^b Includes persons whose county of residence is unknown.

Table 8a. Adolescents and young adults living with diagnosed HIV infection, by year, age group, and selected characteristics, 2011–2015—United States

	2011		2012		2013		2014		2015	
	No.	Rate ^d	No.	Rate ^d	No.	Rate ^d	No.	Rate ^d	No.	Rate ^d
13–19 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	16	6.0	13	5.0	10	3.9	15	5.9	15	5.9
Asian ^b	57	4.3	60	4.5	62	4.6	67	4.8	77	5.4
Black/African American	4,894	111.0	4,486	104.0	4,041	95.1	3,792	90.6	3,573	86.5
Hispanic/Latino ^c	1,574	24.7	1,509	23.6	1,340	20.7	1,213	18.5	1,097	16.5
Native Hawaiian/Other Pacific Islander	4	7.1	3	5.4	2	3.6	2	3.6	5	8.9
White	840	5.0	709	4.3	642	4.0	613	3.8	600	3.8
Multiple races	421	48.2	375	41.6	338	36.4	303	31.7	275	28.1
Transmission category^d										
Males										
Male-to-male sexual contact	1,970	—	1,866	—	1,744	—	1,765	—	1,836	—
Injection drug use	21	—	23	—	20	—	18	—	16	—
Male-to-male sexual contact and injection drug use	72	—	68	—	64	—	65	—	56	—
Heterosexual contact ^e	75	—	74	—	74	—	62	—	61	—
Perinatal	2,099	—	1,877	—	1,635	—	1,432	—	1,267	—
Other ^f	172	—	165	—	156	—	157	—	180	—
Subtotal	4,409	28.7	4,072	26.8	3,692	24.4	3,498	23.2	3,417	22.8
Females										
Injection drug use	77	—	69	—	55	—	44	—	37	—
Heterosexual contact ^e	755	—	671	—	579	—	551	—	479	—
Perinatal	2,387	—	2,175	—	1,943	—	1,739	—	1,515	—
Other ^f	190	—	179	—	175	—	180	—	199	—
Subtotal	3,409	23.4	3,094	21.4	2,752	19.1	2,514	17.5	2,231	15.6
Region of residence^g										
Northeast	2,401	45.8	2,095	40.4	1,840	35.9	1,613	31.9	1,377	27.5
Midwest	959	14.7	908	14.1	876	13.7	851	13.4	785	12.5
South	3,652	33.1	3,390	30.9	3,016	27.4	2,852	25.8	2,794	25.2
West	806	11.3	773	11.0	712	10.2	696	10.0	692	10.0
Subtotal, 13–19 years of age	7,818	26.1	7,166	24.2	6,444	21.8	6,012	20.4	5,648	19.2
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	74	38.9	89	45.1	93	46.2	95	47.0	114	57.2
Asian ^b	258	22.3	284	23.8	313	25.7	351	28.4	394	31.5
Black/African American	18,184	568.7	18,898	567.9	18,979	555.5	18,624	540.9	17,952	529.1
Hispanic/Latino ^c	5,937	133.5	6,207	135.9	6,276	134.8	6,485	136.6	6,529	136.4
Native Hawaiian/Other Pacific Islander	23	47.4	26	53.4	28	57.9	27	56.7	30	64.9
White	4,456	35.2	4,603	36.1	4,613	36.2	4,536	35.9	4,382	35.3
Multiple races	1,614	334.3	1,694	328.7	1,668	305.7	1,552	269.9	1,403	233.8
Transmission category^d										
Males										
Male-to-male sexual contact	19,545	—	20,879	—	21,182	—	21,301	—	20,928	—
Injection drug use	298	—	278	—	287	—	273	—	295	—
Male-to-male sexual contact and injection drug use	1,015	—	987	—	976	—	888	—	862	—
Heterosexual contact ^e	817	—	809	—	774	—	751	—	713	—
Perinatal	1,525	—	1,694	—	1,794	—	1,851	—	1,775	—
Other ^f	182	—	188	—	186	—	176	—	158	—
Subtotal	23,382	206.7	24,834	215.0	25,199	215.6	25,240	215.1	24,730	212.4
Females										
Injection drug use	569	—	517	—	474	—	426	—	403	—
Heterosexual contact ^e	4,820	—	4,482	—	4,157	—	3,824	—	3,528	—
Perinatal	1,632	—	1,808	—	1,975	—	2,015	—	1,968	—
Other ^f	150	—	166	—	173	—	173	—	183	—
Subtotal	7,170	66.0	6,973	63.1	6,778	60.8	6,439	57.7	6,082	55.1
Region of residence^g										
Northeast	6,433	165.8	6,576	168.3	6,457	164.3	6,223	158.2	5,788	148.7
Midwest	4,543	97.4	4,792	100.6	4,918	101.8	4,845	99.7	4,615	95.7
South	15,644	189.4	16,332	193.5	16,440	192.6	16,308	190.5	15,979	188.2
West	3,932	73.3	4,107	74.9	4,162	75.2	4,303	77.7	4,430	80.8
Subtotal, 20–24 years of age	30,552	137.8	31,807	140.7	31,977	140.1	31,679	138.4	30,812	135.8
Total^h	38,370	73.7	38,973	74.6	38,421	73.4	37,691	72.0	36,460	70.1

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

^a Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^b Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^c Hispanics/Latinos can be of any race.

^d Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^e Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^f Includes hemophilia, blood transfusion, and risk factor not reported or not identified.

^g Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^h Includes persons whose race/ethnicity is unknown.

Table 8b. Adolescents and young adults living with diagnosed HIV infection, by year, age group, and selected characteristics, 2011–2015—United States and 6 dependent areas

	2011		2012		2013		2014		2015	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
13–19 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	16	—	13	—	10	—	15	—	15	—
Asian ^b	57	—	60	—	62	—	67	—	77	—
Black/African American	4,896	—	4,489	—	4,044	—	3,794	—	3,575	—
Hispanic/Latino ^c	1,717	—	1,641	—	1,444	—	1,306	—	1,167	—
Native Hawaiian/Other Pacific Islander	4	—	3	—	2	—	2	—	5	—
White	840	—	709	—	642	—	613	—	600	—
Multiple races	423	—	377	—	339	—	305	—	276	—
Transmission category^d										
Males										
Male-to-male sexual contact	1,984	—	1,885	—	1,759	—	1,787	—	1,846	—
Injection drug use	23	—	24	—	20	—	18	—	17	—
Male-to-male sexual contact and injection drug use	76	—	68	—	64	—	65	—	56	—
Heterosexual contact ^e	80	—	77	—	76	—	64	—	61	—
Perinatal	2,155	—	1,926	—	1,673	—	1,460	—	1,290	—
Other ^f	183	—	174	—	163	—	163	—	185	—
Subtotal	4,501	28.9	4,153	27.0	3,755	24.5	3,557	23.3	3,456	22.7
Females										
Injection drug use	77	—	69	—	55	—	44	—	38	—
Heterosexual contact ^e	763	—	682	—	591	—	563	—	489	—
Perinatal	2,430	—	2,217	—	1,972	—	1,760	—	1,535	—
Other ^f	194	—	182	—	179	—	184	—	204	—
Subtotal	3,464	23.4	3,150	21.5	2,797	19.1	2,552	17.5	2,265	15.6
Region of residence^g										
Northeast	2,401	45.8	2,095	40.4	1,840	35.9	1,613	31.9	1,377	27.5
Midwest	959	14.7	908	14.1	876	13.7	851	13.4	785	12.5
South	3,652	33.1	3,390	30.9	3,016	27.4	2,852	25.8	2,794	25.2
West	806	11.3	773	11.0	712	10.2	696	10.0	692	10.0
U.S. dependent areas	147	34.4	137	33.1	108	26.7	97	24.8	73	19.5
Subtotal, 13–19 years of age	7,965	26.2	7,303	24.3	6,552	21.9	6,109	20.5	5,721	19.2
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	74	—	89	—	93	—	95	—	114	—
Asian ^b	258	—	284	—	313	—	351	—	394	—
Black/African American	18,192	—	18,904	—	18,987	—	18,628	—	17,957	—
Hispanic/Latino ^c	6,333	—	6,627	—	6,706	—	6,915	—	6,923	—
Native Hawaiian/Other Pacific Islander	23	—	27	—	29	—	29	—	31	—
White	4,456	—	4,603	—	4,613	—	4,536	—	4,382	—
Multiple races	1,614	—	1,694	—	1,668	—	1,552	—	1,405	—
Transmission category^d										
Males										
Male-to-male sexual contact	19,703	—	21,062	—	21,380	—	21,512	—	21,125	—
Injection drug use	318	—	299	—	303	—	286	—	306	—
Male-to-male sexual contact and injection drug use	1,029	—	997	—	985	—	897	—	872	—
Heterosexual contact ^e	843	—	831	—	796	—	776	—	736	—
Perinatal	1,569	—	1,744	—	1,849	—	1,904	—	1,825	—
Other ^f	192	—	197	—	198	—	187	—	167	—
Subtotal	23,653	206.5	25,130	214.8	25,511	215.6	25,562	215.2	25,030	212.4
Females										
Injection drug use	573	—	523	—	478	—	430	—	407	—
Heterosexual contact ^e	4,893	—	4,552	—	4,221	—	3,881	—	3,580	—
Perinatal	1,681	—	1,856	—	2,028	—	2,065	—	2,010	—
Other ^f	156	—	173	—	178	—	178	—	187	—
Subtotal	7,303	66.4	7,104	63.5	6,905	61.2	6,553	58.0	6,184	55.3
Region of residence^g										
Northeast	6,433	165.8	6,576	168.3	6,457	164.3	6,223	158.2	5,788	148.7
Midwest	4,543	97.4	4,792	100.6	4,918	101.8	4,845	99.7	4,615	95.7
South	15,644	189.4	16,332	193.5	16,440	192.6	16,308	190.5	15,979	188.2
West	3,932	73.3	4,107	74.9	4,162	75.2	4,303	77.7	4,430	80.8
U.S. dependent areas	404	138.3	427	145.9	439	150.1	436	151.3	402	143.7
Subtotal, 20–24 years of age	30,956	137.8	32,234	140.8	32,416	140.2	32,115	138.5	31,214	135.9
Total^h	38,921	73.7	39,537	74.7	38,968	73.4	38,224	72.1	36,935	70.1

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

^a Rates are per 100,000 population. Rates by race/ethnicity are not provided because U.S. census information for U.S. dependent areas is limited. Rates are not calculated by transmission category because of the lack of denominator data.

^b Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^c Hispanics/Latinos can be of any race.

^d Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^e Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^f Includes hemophilia, blood transfusion, and risk factor not reported or not identified.

^g Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^h Includes persons whose race/ethnicity is unknown.

Table 9a. Adolescents and young adults living with diagnosed HIV infection ever classified as stage 3 (AIDS), by year, age group, and selected characteristics, 2011–2015—United States

	2011		2012		2013		2014		2015	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
13–19 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	6	2.2	5	1.9	3	1.2	3	1.2	5	2.0
Asian ^b	12	0.9	13	1.0	14	1.0	15	1.1	13	0.9
Black/African American	1,644	37.3	1,418	32.9	1,194	28.1	953	22.8	732	17.7
Hispanic/Latino ^c	513	8.1	447	7.0	381	5.9	272	4.2	199	3.0
Native Hawaiian/Other Pacific Islander	1	1.8	1	1.8	1	1.8	1	1.8	1	1.8
White	214	1.3	170	1.0	147	0.9	113	0.7	94	0.6
Multiple races	132	15.1	98	10.9	98	10.5	70	7.3	51	5.2
Transmission category^d										
Males										
Male-to-male sexual contact	339	—	314	—	301	—	212	—	168	—
Injection drug use	2	—	4	—	6	—	5	—	4	—
Male-to-male sexual contact and injection drug use	9	—	9	—	12	—	10	—	9	—
Heterosexual contact ^e	12	—	10	—	12	—	11	—	7	—
Perinatal	920	—	751	—	595	—	463	—	350	—
Other ^f	42	—	41	—	40	—	34	—	29	—
Subtotal	1,325	8.6	1,129	7.4	966	6.4	735	4.9	566	3.8
Females										
Injection drug use	13	—	10	—	7	—	4	—	5	—
Heterosexual contact ^e	119	—	102	—	91	—	68	—	47	—
Perinatal	1,024	—	876	—	745	—	592	—	451	—
Other ^f	42	—	36	—	30	—	28	—	27	—
Subtotal	1,198	8.2	1,024	7.1	873	6.1	692	4.8	529	3.7
Region of residence^g										
Northeast	798	15.2	639	12.3	517	10.1	391	7.7	271	5.4
Midwest	273	4.2	231	3.6	204	3.2	169	2.7	126	2.0
South	1,193	10.8	1,047	9.5	927	8.4	719	6.5	577	5.2
West	259	3.6	236	3.4	191	2.7	148	2.1	121	1.7
Subtotal, 13–19 years of age	2,523	8.4	2,153	7.3	1,839	6.2	1,427	4.8	1,095	3.7
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	18	9.5	20	10.1	20	9.9	16	7.9	21	10.5
Asian ^b	43	3.7	47	3.9	48	3.9	46	3.7	50	4.0
Black/African American	4,918	153.8	5,164	155.2	5,216	152.7	4,697	136.4	4,203	123.9
Hispanic/Latino ^c	1,686	37.9	1,703	37.3	1,644	35.3	1,528	32.2	1,385	28.9
Native Hawaiian/Other Pacific Islander	9	18.5	7	14.4	6	12.4	5	10.5	7	15.1
White	854	6.8	844	6.6	820	6.4	753	6.0	651	5.2
Multiple races	453	93.8	454	88.1	490	89.8	454	79.0	395	65.8
Transmission category^d										
Males										
Male-to-male sexual contact	4,144	—	4,366	—	4,398	—	3,886	—	3,396	—
Injection drug use	82	—	71	—	63	—	50	—	48	—
Male-to-male sexual contact and injection drug use	230	—	218	—	191	—	163	—	146	—
Heterosexual contact ^e	210	—	216	—	209	—	171	—	145	—
Perinatal	995	—	1,064	—	1,086	—	1,070	—	1,012	—
Other ^f	78	—	79	—	83	—	74	—	68	—
Subtotal	5,739	50.7	6,014	52.1	6,030	51.6	5,415	46.2	4,815	41.3
Females										
Injection drug use	123	—	99	—	86	—	81	—	76	—
Heterosexual contact ^e	995	—	927	—	873	—	753	—	628	—
Perinatal	1,064	—	1,136	—	1,192	—	1,186	—	1,128	—
Other ^f	60	—	63	—	64	—	65	—	66	—
Subtotal	2,242	20.6	2,225	20.1	2,214	19.9	2,085	18.7	1,898	17.2
Region of residence^g										
Northeast	2,093	54.0	2,091	53.5	1,991	50.7	1,752	44.5	1,528	39.3
Midwest	1,056	22.6	1,113	23.4	1,134	23.5	1,035	21.3	911	18.9
South	3,904	47.3	4,093	48.5	4,203	49.2	3,878	45.3	3,517	41.4
West	928	17.3	942	17.2	916	16.6	835	15.1	757	13.8
Subtotal, 20–24 years of age	7,981	36.0	8,239	36.5	8,244	36.1	7,500	32.8	6,713	29.6
Total^h	10,504	20.2	10,392	19.9	10,083	19.3	8,927	17.1	7,808	15.0

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

^a Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^b Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^c Hispanics/Latinos can be of any race.

^d Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^e Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^f Includes hemophilia, blood transfusion, and risk factor not reported or not identified.

^g Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^h Includes persons whose race/ethnicity is unknown.

Table 9b. Adolescents and young adults living with diagnosed HIV infection ever classified as stage 3 (AIDS), by year, age group, and selected characteristics, 2011–2015—United States and 6 dependent areas

	2011		2012		2013		2014		2015	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
13–19 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	6	—	5	—	3	—	3	—	5	—
Asian ^b	12	—	13	—	14	—	15	—	13	—
Black/African American	1,645	—	1,420	—	1,196	—	954	—	733	—
Hispanic/Latino ^c	566	—	492	—	419	—	301	—	217	—
Native Hawaiian/Other Pacific Islander	1	—	1	—	1	—	1	—	1	—
White	214	—	170	—	147	—	113	—	94	—
Multiple races	133	—	99	—	99	—	71	—	52	—
Transmission category^d										
Males										
Male-to-male sexual contact	341	—	316	—	304	—	215	—	169	—
Injection drug use	2	—	4	—	6	—	5	—	4	—
Male-to-male sexual contact and injection drug use	10	—	9	—	12	—	10	—	9	—
Heterosexual contact ^e	12	—	10	—	12	—	11	—	7	—
Perinatal	947	—	774	—	615	—	476	—	357	—
Other ^f	44	—	41	—	40	—	34	—	29	—
Subtotal	1,357	8.7	1,154	7.5	989	6.4	751	4.9	574	3.8
Females										
Injection drug use	13	—	10	—	7	—	4	—	5	—
Heterosexual contact ^e	121	—	104	—	95	—	73	—	48	—
Perinatal	1,045	—	896	—	758	—	601	—	460	—
Other ^f	42	—	37	—	31	—	29	—	28	—
Subtotal	1,221	8.3	1,047	7.1	891	6.1	707	4.8	541	3.7
Region of residence^g										
Northeast	798	15.2	639	12.3	517	10.1	391	7.7	271	5.4
Midwest	273	4.2	231	3.6	204	3.2	169	2.7	126	2.0
South	1,193	10.8	1,047	9.5	927	8.4	719	6.5	577	5.2
West	259	3.6	236	3.4	191	2.7	148	2.1	121	1.7
U.S. dependent areas	55	12.9	48	11.6	41	10.1	31	7.9	20	5.3
Subtotal, 13–19 years of age	2,578	8.5	2,201	7.3	1,880	6.3	1,458	4.9	1,115	3.8
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	18	—	20	—	20	—	16	—	21	—
Asian ^b	43	—	47	—	48	—	46	—	50	—
Black/African American	4,921	—	5,166	—	5,217	—	4,699	—	4,206	—
Hispanic/Latino ^c	1,798	—	1,811	—	1,750	—	1,626	—	1,473	—
Native Hawaiian/Other Pacific Islander	9	—	7	—	6	—	5	—	7	—
White	854	—	844	—	820	—	753	—	651	—
Multiple races	453	—	454	—	490	—	454	—	395	—
Transmission category^d										
Males										
Male-to-male sexual contact	4,173	—	4,394	—	4,426	—	3,917	—	3,424	—
Injection drug use	86	—	75	—	67	—	52	—	49	—
Male-to-male sexual contact and injection drug use	232	—	219	—	192	—	163	—	146	—
Heterosexual contact ^e	215	—	220	—	211	—	172	—	146	—
Perinatal	1,020	—	1,092	—	1,115	—	1,099	—	1,041	—
Other ^f	82	—	82	—	86	—	75	—	69	—
Subtotal	5,808	50.7	6,082	52.0	6,097	51.5	5,479	46.1	4,875	41.4
Females										
Injection drug use	124	—	99	—	86	—	81	—	76	—
Heterosexual contact ^e	1,008	—	941	—	881	—	761	—	638	—
Perinatal	1,095	—	1,164	—	1,223	—	1,214	—	1,149	—
Other ^f	61	—	63	—	64	—	65	—	66	—
Subtotal	2,288	20.8	2,267	20.2	2,254	20.0	2,121	18.8	1,929	17.2
Region of residence^g										
Northeast	2,093	54.0	2,091	53.5	1,991	50.7	1,752	44.5	1,528	39.3
Midwest	1,056	22.6	1,113	23.4	1,134	23.5	1,035	21.3	911	18.9
South	3,904	47.3	4,093	48.5	4,203	49.2	3,878	45.3	3,517	41.4
West	928	17.3	942	17.2	916	16.6	835	15.1	757	13.8
U.S. dependent areas	115	39.4	110	37.6	107	36.6	100	34.7	91	32.5
Subtotal, 20–24 years of age	8,096	36.0	8,349	36.5	8,351	36.1	7,600	32.8	6,804	29.6
Total^h	10,674	20.2	10,550	19.9	10,231	19.3	9,058	17.1	7,919	15.0

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

^a Rates are per 100,000 population. Rates by race/ethnicity are not provided because U.S. census information for U.S. dependent areas is limited. Rates are not calculated by transmission category because of the lack of denominator data.

^b Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^c Hispanics/Latinos can be of any race.

^d Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^e Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^f Includes hemophilia, blood transfusion, and risk factor not reported or not identified.

^g Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^h Includes persons whose race/ethnicity is unknown.

Table 10. Adolescents and young adults living with diagnosed HIV infection, by region of residence, age group, and selected characteristics, year-end 2015—United States and 6 dependent areas

	Northeast ^a		Midwest ^a		South ^a		West ^a		U.S. dependent areas ^a	
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
13–19 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	0	0.0	5	11.1	1	1.2	9	8.0	0	—
Asian ^c	22	7.2	10	5.0	17	5.0	28	4.9	0	—
Black/African American	763	120.5	547	72.2	1,999	82.8	264	80.9	2	—
Hispanic/Latino ^d	401	46.7	60	9.0	381	16.0	255	9.3	70	—
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	0	0.0	5	11.8	0	—
White	108	3.5	119	2.7	264	4.8	109	3.8	0	—
Multiple races	78	57.8	44	21.2	131	41.4	22	6.9	1	—
Transmission category^e										
Males										
Male-to-male sexual contact	280	—	289	—	1,017	—	251	—	10	—
Injection drug use	6	—	2	—	6	—	3	—	1	—
Male-to-male sexual contact and injection drug use	7	—	4	—	27	—	18	—	0	—
Heterosexual contact ^f	12	—	5	—	42	—	3	—	0	—
Perinatal	422	—	167	—	519	—	159	—	23	—
Other ^g	37	—	24	—	103	—	16	—	5	—
Subtotal	762	29.9	491	15.2	1,714	30.2	450	12.6	39	20.3
Females										
Injection drug use	8	—	8	—	17	—	5	—	0	—
Heterosexual contact ^f	91	—	73	—	277	—	38	—	10	—
Perinatal	470	—	188	—	680	—	177	—	20	—
Other ^g	46	—	25	—	106	—	22	—	4	—
Subtotal	615	25.1	294	9.6	1,080	19.9	242	7.1	34	18.6
Subtotal, 13–19 years of age	1,377	27.5	785	12.5	2,794	25.2	692	10.0	73	19.5
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	5	49.3	13	37.3	27	42.0	69	76.8	0	—
Asian ^c	69	25.3	43	22.0	92	32.2	190	38.3	0	—
Black/African American	2,897	543.1	3,043	488.7	10,962	563.3	1,050	361.4	5	—
Hispanic/Latino ^d	1,816	269.8	442	99.8	2,360	141.7	1,911	95.3	394	—
Native Hawaiian/Other Pacific Islander	0	0.0	1	38.1	10	136.2	19	55.1	1	—
White	659	28.4	855	25.1	1,869	43.1	999	42.4	0	—
Multiple races	336	406.2	218	180.8	658	356.4	191	90.1	2	—
Transmission category^e										
Males										
Male-to-male sexual contact	3,093	—	3,443	—	11,087	—	3,304	—	197	—
Injection drug use	64	—	38	—	121	—	72	—	11	—
Male-to-male sexual contact and injection drug use	122	—	116	—	411	—	213	—	10	—
Heterosexual contact ^f	145	—	92	—	423	—	52	—	23	—
Perinatal	757	—	130	—	733	—	155	—	50	—
Other ^g	48	—	20	—	78	—	11	—	9	—
Subtotal	4,229	214.2	3,840	155.7	12,854	295.4	3,807	133.4	300	212.6
Females										
Injection drug use	93	—	70	—	175	—	64	—	4	—
Heterosexual contact ^f	622	—	499	—	2,059	—	348	—	51	—
Perinatal	794	—	178	—	801	—	195	—	42	—
Other ^g	50	—	28	—	90	—	16	—	4	—
Subtotal	1,559	81.3	775	32.9	3,125	75.5	623	23.7	102	73.6
Subtotal, 20–24 years of age	5,788	148.7	4,615	95.7	15,979	188.2	4,430	80.8	402	143.7
Total^h	7,165	80.6	5,400	48.5	18,773	95.9	5,122	41.2	475	72.6

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

^a Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^b Rates are per 100,000 population. Rates by race/ethnicity are not provided for U.S. dependent areas because U.S. census information is limited for U.S. dependent areas. Rates are not calculated by transmission category because of the lack of denominator data.

^c Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^d Hispanics/Latinos can be of any race.

^e Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^f Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^g Includes hemophilia, blood transfusion, and risk factor not reported or not identified.

^h Includes persons whose race/ethnicity is unknown.

Table 11. Adolescents and young adults living with diagnosed HIV infection ever classified as stage 3 (AIDS), by region of residence, age group, and selected characteristics, year-end 2015—United States and 6 dependent areas

	Northeast ^a		Midwest ^a		South ^a		West ^a		U.S. dependent areas ^a	
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
13–19 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	0	0.0	1	2.2	0	0.0	4	3.6	0	—
Asian ^c	4	1.3	1	0.5	3	0.9	5	0.9	0	—
Black/African American	162	25.6	79	10.4	440	18.2	51	15.6	1	—
Hispanic/Latino ^d	78	9.1	8	1.2	66	2.8	47	1.7	18	—
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	0	0.0	1	2.4	0	—
White	16	0.5	26	0.6	40	0.7	12	0.4	0	—
Multiple races	11	8.2	11	5.3	28	8.8	1	0.3	1	—
Transmission category^e										
Males										
Male-to-male sexual contact	23	—	24	—	104	—	18	—	1	—
Injection drug use	1	—	1	—	2	—	0	—	0	—
Male-to-male sexual contact and injection drug use	2	—	2	—	4	—	1	—	0	—
Heterosexual contact ^f	2	—	0	—	5	—	0	—	0	—
Perinatal	107	—	38	—	153	—	52	—	7	—
Other ^g	7	—	4	—	14	—	3	—	0	—
Subtotal	141	5.5	69	2.1	282	5.0	74	2.1	8	4.2
Females										
Injection drug use	2	—	1	—	2	—	0	—	0	—
Heterosexual contact ^f	7	—	9	—	29	—	3	—	2	—
Perinatal	113	—	46	—	249	—	43	—	9	—
Other ^g	9	—	2	—	15	—	1	—	1	—
Subtotal	130	5.3	57	1.9	295	5.4	47	1.4	12	6.6
Subtotal, 13–19 years of age	271	5.4	126	2.0	577	5.2	121	1.7	20	5.3
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	0	0.0	4	11.5	4	6.2	13	14.5	0	—
Asian ^c	9	3.3	6	3.1	8	2.8	27	5.4	0	—
Black/African American	805	150.9	629	101.0	2,548	130.9	221	76.1	3	—
Hispanic/Latino ^d	500	74.3	85	19.2	465	27.9	335	16.7	88	—
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	2	27.2	5	14.5	0	—
White	109	4.7	131	3.8	284	6.5	127	5.4	0	—
Multiple races	105	126.9	56	46.4	206	111.6	28	13.2	0	—
Transmission category^e										
Males										
Male-to-male sexual contact	464	—	583	—	1,922	—	427	—	28	—
Injection drug use	10	—	4	—	21	—	13	—	1	—
Male-to-male sexual contact and injection drug use	16	—	25	—	75	—	31	—	0	—
Heterosexual contact ^f	42	—	22	—	68	—	14	—	1	—
Perinatal	396	—	73	—	458	—	85	—	29	—
Other ^g	22	—	9	—	32	—	6	—	1	—
Subtotal	950	48.1	715	29.0	2,575	59.2	575	20.2	60	42.5
Females										
Injection drug use	17	—	13	—	37	—	9	—	0	—
Heterosexual contact ^f	111	—	77	—	378	—	62	—	10	—
Perinatal	433	—	100	—	490	—	105	—	21	—
Other ^g	17	—	6	—	37	—	7	—	0	—
Subtotal	578	30.1	196	8.3	942	22.8	182	6.9	31	22.4
Subtotal, 20–24 years of age	1,528	39.3	911	18.9	3,517	41.4	757	13.8	91	32.5
Total^h	1,799	20.2	1,037	9.3	4,094	20.9	878	7.1	111	17.0

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

^a Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^b Rates are per 100,000 population. Rates by race/ethnicity are not provided for U.S. dependent areas because U.S. census information is limited for U.S. dependent areas. Rates are not calculated by transmission category because of the lack of denominator data.

^c Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^d Hispanics/Latinos can be of any race.

^e Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^f Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^g Includes hemophilia, blood transfusion, and risk factor not reported or not identified.

^h Includes persons whose race/ethnicity is unknown.

Table 12. Adolescents and young adults living with diagnosed HIV infection, by population of area of residence, age group, and selected characteristics, year-end 2015—United States and 6 dependent areas

	Metropolitan statistical areas (pop. ≥500,000)		Metropolitan areas (pop. 50,000–499,999)		Nonmetropolitan areas (pop. <50,000)		Total	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No. ^b	Rate ^a
13–19 years of age at end of year								
Race/ethnicity								
American Indian/Alaska Native	5	5.7	5	9.9	5	4.5	15	5.9
Asian ^c	57	4.7	12	7.9	3	6.9	77	5.4
Black/African American	2,834	91.5	377	58.1	159	41.1	3,573	86.5
Hispanic/Latino ^d	940	18.1	86	9.0	37	7.7	1,097	16.5
Native Hawaiian/Other Pacific Islander	5	12.2	0	0.0	0	0.0	5	8.9
White	402	4.2	106	3.1	62	2.1	600	3.8
Multiple races	200	29.8	39	20.4	21	18.1	275	28.1
Transmission category^e								
Males								
Male-to-male sexual contact	1,452	—	221	—	91	—	1,836	—
Injection drug use	11	—	3	—	1	—	16	—
Male-to-male sexual contact and injection drug use	40	—	9	—	5	—	56	—
Heterosexual contact ^f	46	—	7	—	4	—	61	—
Perinatal	1,001	—	118	—	68	—	1,267	—
Other ^g	144	—	22	—	6	—	180	—
Subtotal	2,694	26.7	379	13.8	175	8.2	3,417	22.8
Females								
Injection drug use	25	—	7	—	3	—	37	—
Heterosexual contact ^f	369	—	61	—	21	—	479	—
Perinatal	1,208	—	153	—	81	—	1,515	—
Other ^g	153	—	25	—	7	—	199	—
Subtotal	1,755	18.1	246	9.3	112	5.6	2,231	15.6
Subtotal, 13–19 years of age	4,449	22.5	625	11.6	287	6.9	5,648	19.2
20–24 years of age at end of year								
Race/ethnicity								
American Indian/Alaska Native	64	85.1	17	39.3	26	32.9	114	57.2
Asian ^c	327	31.9	43	24.3	7	15.1	394	31.5
Black/African American	13,762	555.8	2,177	377.8	1,059	311.1	17,952	529.1
Hispanic/Latino ^d	5,625	150.2	518	72.7	182	55.5	6,529	136.4
Native Hawaiian/Other Pacific Islander	22	65.3	7	91.9	1	20.5	30	64.9
White	2,992	41.8	738	24.4	420	18.8	4,382	35.3
Multiple races	1,094	269.1	161	128.9	75	109.4	1,403	233.8
Transmission category^e								
Males								
Male-to-male sexual contact	16,315	—	2,503	—	1,119	—	20,928	—
Injection drug use	212	—	39	—	28	—	295	—
Male-to-male sexual contact and injection drug use	655	—	104	—	60	—	862	—
Heterosexual contact ^f	512	—	97	—	61	—	713	—
Perinatal	1,392	—	175	—	109	—	1,775	—
Other ^g	118	—	20	—	7	—	158	—
Subtotal	19,204	253.0	2,938	121.5	1,383	84.5	24,730	212.4
Females								
Injection drug use	302	—	50	—	31	—	403	—
Heterosexual contact ^f	2,666	—	480	—	238	—	3,528	—
Perinatal	1,590	—	171	—	106	—	1,968	—
Other ^g	127	—	25	—	13	—	183	—
Subtotal	4,686	63.8	726	32.3	388	26.6	6,082	55.1
Subtotal, 20–24 years of age	23,890	160.0	3,664	78.5	1,771	57.2	30,812	135.8
Total^h	28,339	81.6	4,289	42.6	2,058	28.4	36,460	70.1

Abbreviation: pop, population.

Note. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^b Includes persons whose county of residence is unknown.

^c Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^d Hispanics/Latinos can be of any race.

^e Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^f Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^g Includes hemophilia, blood transfusion, and risk factor not reported or not identified.

^h Includes persons whose race/ethnicity is unknown.

Table 13. Adolescents and young adults living with diagnosed HIV infection ever classified as stage 3 (AIDS), by population of area of residence, age group, and selected characteristics, year-end 2015—United States and 6 dependent areas

	Metropolitan statistical areas (pop. ≥500,000)		Metropolitan areas (pop. 50,000–499,999)		Nonmetropolitan areas (pop. <50,000)		Total	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No. ^b	Rate ^a
13–19 years of age at end of year								
Race/ethnicity								
American Indian/Alaska Native	1	1.1	2	4.0	2	1.8	5	2.0
Asian ^c	10	0.8	1	0.7	2	4.6	13	0.9
Black/African American	580	18.7	67	10.3	35	9.0	732	17.7
Hispanic/Latino ^d	163	3.1	16	1.7	9	1.9	199	3.0
Native Hawaiian/Other Pacific Islander	1	2.4	0	0.0	0	0.0	1	1.8
White	56	0.6	18	0.5	14	0.5	94	0.6
Multiple races	34	5.1	6	3.1	5	4.3	51	5.2
Transmission category^e								
Males								
Male-to-male sexual contact	133	—	13	—	14	—	168	—
Injection drug use	2	—	1	—	0	—	4	—
Male-to-male sexual contact and injection drug use	6	—	2	—	1	—	9	—
Heterosexual contact ^f	6	—	1	—	0	—	7	—
Perinatal	270	—	31	—	23	—	350	—
Other ^g	18	—	7	—	1	—	29	—
Subtotal	435	4.3	54	2.0	39	1.8	566	3.8
Females								
Injection drug use	3	—	1	—	0	—	5	—
Heterosexual contact ^f	40	—	2	—	1	—	47	—
Perinatal	346	—	50	—	26	—	451	—
Other ^g	21	—	3	—	1	—	27	—
Subtotal	410	4.2	56	2.1	28	1.4	529	3.7
Subtotal, 13–19 years of age	845	4.3	110	2.0	67	1.6	1,095	3.7
20–24 years of age at end of year								
Race/ethnicity								
American Indian/Alaska Native	7	9.3	3	6.9	7	8.9	21	10.5
Asian ^c	39	3.8	9	5.1	2	4.3	50	4.0
Black/African American	3,202	129.3	505	87.6	243	71.4	4,203	123.9
Hispanic/Latino ^d	1,191	31.8	114	16.0	40	12.2	1,385	28.9
Native Hawaiian/Other Pacific Islander	5	14.8	2	26.3	0	0.0	7	15.1
White	427	6.0	103	3.4	87	3.9	651	5.2
Multiple races	303	74.5	47	37.6	19	27.7	395	65.8
Transmission category^e								
Males								
Male-to-male sexual contact	2,603	—	423	—	191	—	3,396	—
Injection drug use	30	—	9	—	6	—	48	—
Male-to-male sexual contact and injection drug use	110	—	16	—	14	—	146	—
Heterosexual contact ^f	98	—	21	—	16	—	145	—
Perinatal	786	—	100	—	69	—	1,012	—
Other ^g	50	—	8	—	5	—	68	—
Subtotal	3,677	48.4	577	23.9	300	18.3	4,815	41.3
Females								
Injection drug use	58	—	10	—	5	—	76	—
Heterosexual contact ^f	466	—	93	—	41	—	628	—
Perinatal	928	—	94	—	48	—	1,128	—
Other ^g	45	—	10	—	4	—	66	—
Subtotal	1,497	20.4	207	9.2	98	6.7	1,898	17.2
Subtotal, 20–24 years of age	5,174	34.7	784	16.8	398	12.8	6,713	29.6
Total^h	6,019	17.3	894	8.9	465	6.4	7,808	15.0

Abbreviation: pop, population.

Note. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population. Rates are not calculated by transmission category because of the lack of denominator data.

^b Includes persons whose county of residence is unknown.

^c Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^d Hispanics/Latinos can be of any race.

^e Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^f Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^g Includes hemophilia, blood transfusion, and risk factor not reported or not identified.

^h Includes persons whose race/ethnicity is unknown.

Table 14. Diagnoses of HIV infection, by age group and area of residence, 2015 and 2016—United States and 6 dependent areas

Area of residence	2015						2016					
	Aged 13–19 years at diagnosis		Aged 20–24 years at diagnosis		Total		Aged 13–19 years at diagnosis		Aged 20–24 years at diagnosis		Total	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Alabama	31	7.0	166	48.3	197	25.0	42	9.5	135	40.5	177	22.8
Alaska	1	1.5	4	6.7	5	3.9	0	0.0	4	7.0	4	3.2
Arizona	27	4.2	120	24.6	147	13.0	24	3.7	131	27.0	155	13.7
Arkansas	14	5.1	58	27.9	72	14.9	21	7.6	70	34.4	91	18.9
California	155	4.3	868	30.2	1,023	15.8	156	4.4	807	28.7	963	15.1
Colorado	11	2.2	73	18.8	84	9.6	11	2.2	71	18.2	82	9.2
Connecticut	11	3.2	43	17.4	54	9.2	7	2.1	41	16.5	48	8.2
Delaware	3	3.6	15	24.2	18	12.4	5	6.0	14	23.2	19	13.2
District of Columbia	15	31.8	49	82.3	64	60.0	7	15.0	51	86.3	58	54.8
Florida	198	12.0	717	55.4	915	31.1	174	10.5	674	52.9	848	29.0
Georgia	141	14.2	516	70.4	657	38.1	133	13.3	496	68.3	629	36.5
Hawaii	3	2.7	10	9.9	13	6.1	1	0.9	13	13.3	14	6.7
Idaho	0	0.0	9	8.1	9	3.3	1	0.6	9	8.0	10	3.6
Illinois	83	7.0	339	37.7	422	20.2	95	8.1	272	30.8	367	17.8
Indiana	22	3.5	100	20.6	122	10.9	24	3.8	93	19.4	117	10.5
Iowa	4	1.4	28	12.1	32	6.1	7	2.4	22	9.5	29	5.5
Kansas	10	3.6	29	13.2	39	7.8	5	1.8	21	9.7	26	5.2
Kentucky	14	3.5	68	21.8	82	11.5	12	3.0	48	15.7	60	8.5
Louisiana	69	16.3	218	64.2	287	37.6	57	13.5	225	68.8	282	37.6
Maine	3	2.7	7	9.0	10	5.3	0	0.0	4	5.2	4	2.1
Maryland	45	8.4	202	50.7	247	26.4	51	9.5	173	44.1	224	24.2
Massachusetts	22	3.6	63	12.7	85	7.6	17	2.8	72	14.4	89	8.0
Michigan	35	3.8	184	25.4	219	13.2	53	5.8	166	23.5	219	13.5
Minnesota	11	2.2	53	14.5	64	7.4	15	3.0	51	13.9	66	7.6
Mississippi	47	16.2	135	61.6	182	35.8	25	8.7	106	49.7	131	26.1
Missouri	30	5.4	103	23.9	133	13.5	42	7.6	106	25.1	148	15.2
Montana	3	3.4	4	5.4	7	4.3	0	0.0	1	1.4	1	0.6
Nebraska	2	1.1	23	16.5	25	7.8	2	1.1	10	7.2	12	3.7
Nevada	11	4.4	71	38.0	82	18.8	10	4.0	88	47.3	98	22.4
New Hampshire	1	0.8	6	6.6	7	3.3	0	0.0	5	5.5	5	2.4
New Jersey	44	5.5	168	29.3	212	15.4	35	4.4	168	29.5	203	14.8
New Mexico	5	2.6	24	16.1	29	8.4	2	1.0	25	17.2	27	8.0
New York	106	6.2	477	33.6	583	18.6	104	6.1	402	28.9	506	16.4
North Carolina	64	6.9	283	40.4	347	21.4	80	8.6	305	43.8	385	23.7
North Dakota	1	1.5	4	5.6	5	3.6	3	4.6	3	4.4	6	4.5
Ohio	64	6.0	196	25.0	260	14.0	55	5.2	204	26.5	259	14.1
Oklahoma	14	3.8	54	18.9	68	10.4	10	2.7	49	17.5	59	9.1
Oregon	4	1.2	23	8.6	27	4.4	10	2.9	22	8.2	32	5.2
Pennsylvania	59	5.2	207	24.2	266	13.3	50	4.4	206	24.5	256	13.0
Rhode Island	3	3.1	4	5.0	7	3.9	3	3.1	8	10.1	11	6.2
South Carolina	38	8.7	141	40.9	179	22.9	30	6.8	161	47.7	191	24.5
South Dakota	1	1.3	4	6.5	5	3.6	0	0.0	5	8.1	5	3.6
Tennessee	27	4.6	169	36.6	196	18.7	37	6.3	153	33.6	190	18.2
Texas	222	8.1	882	43.8	1,104	23.2	223	8.0	817	40.7	1,040	21.8
Utah	2	0.6	13	5.2	15	2.6	8	2.4	23	9.1	31	5.2
Vermont	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Virginia	48	6.4	212	35.5	260	19.4	37	4.9	176	29.8	213	15.9
Washington	13	2.1	57	11.6	70	6.3	11	1.8	57	11.7	68	6.1
West Virginia	3	2.0	15	12.4	18	6.6	3	2.0	6	5.1	9	3.3
Wisconsin	11	2.1	46	11.2	57	6.1	15	2.8	55	13.5	70	7.5
Wyoming	1	1.9	4	9.5	5	5.3	1	1.9	2	5.0	3	3.3
Subtotal	1,752	6.0	7,264	32.0	9,016	17.3	1,714	5.8	6,826	30.5	8,540	16.5
U.S. dependent areas												
American Samoa	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Guam	0	0.0	1	7.4	1	3.0	0	0.0	1	7.4	1	3.0
Northern Mariana Islands	0	0.0	1	25.3	1	11.3	0	0.0	0	0.0	0	0.0
Puerto Rico	8	2.4	79	31.7	87	14.9	13	4.1	68	28.3	81	14.5
Republic of Palau	0	0.0	0	0.0	0	0.0	0	0.0	1	53.2	1	22.9
U.S. Virgin Islands	0	0.0	1	20.0	1	8.0	0	0.0	3	65.8	3	25.0
Subtotal	8	2.1	82	29.3	90	13.8	13	3.6	73	27.0	86	13.7
Total	1,760	5.9	7,346	32.0	9,106	17.3	1,727	5.8	6,899	30.5	8,626	16.5

Note. Data are based on residence at time of diagnosis of HIV infection. Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population.

Table 15. Stage 3 (AIDS), by age group and area of residence, 2015 and 2016—United States and 6 dependent areas

Area of residence	2015						2016						Cumulative ^a		
	Aged 13–19 years at diagnosis		Aged 20–24 years at diagnosis		Total		Aged 13–19 years at diagnosis		Aged 20–24 years at diagnosis		Total		Aged 13–19 years at diagnosis	Aged 20–24 years at diagnosis	Total
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	No.	No.
Alabama	3	0.7	31	9.0	34	4.3	7	1.6	21	6.3	28	3.6	152	807	959
Alaska	0	0.0	1	1.7	1	0.8	0	0.0	2	3.5	2	1.6	7	39	46
Arizona	2	0.3	19	3.9	21	1.9	3	0.5	17	3.5	20	1.8	88	642	730
Arkansas	2	0.7	18	8.7	20	4.1	2	0.7	10	4.9	12	2.5	58	396	454
California	10	0.3	123	4.3	133	2.1	11	0.3	105	3.7	116	1.8	915	6,445	7,360
Colorado	0	0.0	7	1.8	7	0.8	1	0.2	9	2.3	10	1.1	51	387	438
Connecticut	0	0.0	8	3.2	8	1.4	5	1.5	5	2.0	10	1.7	106	485	591
Delaware	0	0.0	3	4.8	3	2.1	1	1.2	1	1.7	2	1.4	33	183	216
District of Columbia	4	8.5	9	15.1	13	12.2	3	6.4	7	11.8	10	9.4	180	875	1,055
Florida	23	1.4	124	9.6	147	5.0	25	1.5	141	11.1	166	5.7	1,269	5,790	7,059
Georgia	24	2.4	119	16.2	143	8.3	12	1.2	80	11.0	92	5.3	555	2,992	3,547
Hawaii	0	0.0	2	2.0	2	0.9	0	0.0	3	3.1	3	1.4	15	108	123
Idaho	0	0.0	1	0.9	1	0.4	0	0.0	0	0.0	0	0.0	7	33	40
Illinois	3	0.3	62	6.9	65	3.1	12	1.0	76	8.6	88	4.3	450	2,141	2,591
Indiana	1	0.2	23	4.7	24	2.1	3	0.5	16	3.3	19	1.7	102	607	709
Iowa	0	0.0	5	2.2	5	0.9	0	0.0	2	0.9	2	0.4	18	117	135
Kansas	2	0.7	3	1.4	5	1.0	0	0.0	4	1.8	4	0.8	40	196	236
Kentucky	1	0.3	10	3.2	11	1.5	2	0.5	12	3.9	14	2.0	58	398	456
Louisiana	5	1.2	41	12.1	46	6.0	7	1.7	50	15.3	57	7.6	366	1,667	2,033
Maine	0	0.0	3	3.9	3	1.6	0	0.0	0	0.0	0	0.0	9	46	55
Maryland	8	1.5	42	10.5	50	5.3	6	1.1	37	9.4	43	4.6	401	1,742	2,143
Massachusetts	4	0.6	14	2.8	18	1.6	2	0.3	17	3.4	19	1.7	167	819	986
Michigan	6	0.6	36	5.0	42	2.5	10	1.1	41	5.8	51	3.1	256	1,076	1,332
Minnesota	1	0.2	8	2.2	9	1.0	3	0.6	6	1.6	9	1.0	44	333	377
Mississippi	7	2.4	30	13.7	37	7.3	7	2.4	36	16.9	43	8.6	170	765	935
Missouri	5	0.9	28	6.5	33	3.4	7	1.3	15	3.6	22	2.3	204	987	1,191
Montana	1	1.1	1	1.3	2	1.2	0	0.0	0	0.0	0	0.0	5	25	30
Nebraska	0	0.0	4	2.9	4	1.3	1	0.6	4	2.9	5	1.6	15	118	133
Nevada	0	0.0	17	9.1	17	3.9	1	0.4	12	6.5	13	3.0	51	372	423
New Hampshire	0	0.0	1	1.1	1	0.5	0	0.0	0	0.0	0	0.0	10	62	72
New Jersey	4	0.5	35	6.1	39	2.8	5	0.6	32	5.6	37	2.7	417	1,832	2,249
New Mexico	1	0.5	4	2.7	5	1.5	1	0.5	1	0.7	2	0.6	16	131	147
New York	21	1.2	80	5.6	101	3.2	21	1.2	94	6.8	115	3.7	1,701	6,279	7,980
North Carolina	4	0.4	48	6.9	52	3.2	7	0.8	35	5.0	42	2.6	230	1,185	1,415
North Dakota	0	0.0	0	0.0	0	0.0	0	0.0	1	1.5	1	0.7	4	8	12
Ohio	7	0.7	43	5.5	50	2.7	8	0.8	48	6.2	56	3.1	218	1,168	1,386
Oklahoma	2	0.5	11	3.8	13	2.0	0	0.0	11	3.9	11	1.7	48	319	367

Table 15. Stage 3 (AIDS), by age group and area of residence, 2015 and 2016—United States and 6 dependent areas (*cont*)

Area of residence	2015						2016						Cumulative ^a		
	Aged 13–19 years at diagnosis		Aged 20–24 years at diagnosis		Total		Aged 13–19 years at diagnosis		Aged 20–24 years at diagnosis		Total		Aged 13–19 years at diagnosis	Aged 20–24 years at diagnosis	Total
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	No.	No.
Oregon	2	0.6	2	0.7	4	0.7	0	0.0	1	0.4	1	0.2	39	266	305
Pennsylvania	13	1.1	39	4.6	52	2.6	8	0.7	38	4.5	46	2.3	412	1,897	2,309
Rhode Island	0	0.0	2	2.5	2	1.1	0	0.0	0	0.0	0	0.0	21	110	131
South Carolina	7	1.6	24	7.0	31	4.0	7	1.6	27	8.0	34	4.4	252	1,171	1,423
South Dakota	0	0.0	2	3.3	2	1.4	0	0.0	1	1.6	1	0.7	4	23	27
Tennessee	5	0.8	24	5.2	29	2.8	3	0.5	28	6.2	31	3.0	184	1,086	1,270
Texas	12	0.4	163	8.1	175	3.7	27	1.0	171	8.5	198	4.1	982	5,508	6,490
Utah	0	0.0	2	0.8	2	0.3	0	0.0	4	1.6	4	0.7	26	147	173
Vermont	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	17	24
Virginia	4	0.5	21	3.5	25	1.9	5	0.7	24	4.1	29	2.2	195	1,035	1,230
Washington	0	0.0	8	1.6	8	0.7	2	0.3	4	0.8	6	0.5	77	531	608
West Virginia	1	0.7	0	0.0	1	0.4	0	0.0	1	0.8	1	0.4	23	106	129
Wisconsin	2	0.4	6	1.5	8	0.9	3	0.6	8	2.0	11	1.2	79	317	396
Wyoming	0	0.0	1	2.4	1	1.1	0	0.0	0	0.0	0	0.0	6	12	18
Subtotal	197	0.7	1,308	5.8	1,505	2.9	228	0.8	1,258	5.6	1,486	2.9	10,743	53,801	64,544
U.S. dependent areas															
American Samoa	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	1	1
Guam	0	0.0	0	0.0	0	0.0	0	0.0	1	7.4	1	3.0	0	5	5
Northern Mariana Islands	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	1	1
Puerto Rico	0	0.0	11	4.4	11	1.9	3	0.9	15	6.2	18	3.2	297	1,420	1,717
Republic of Palau	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	0
U.S. Virgin Islands	0	0.0	1	20.0	1	8.0	0	0.0	0	0.0	0	0.0	5	25	30
Subtotal	0	0.0	12	4.3	12	1.8	3	0.8	16	5.9	19	3.0	302	1,452	1,754
Total	197	0.7	1,320	5.7	1,517	2.9	231	0.8	1,274	5.6	1,505	2.9	11,045	55,253	66,298

Note. Data are based on address of residence at time of stage 3 (AIDS) classification. Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a From the beginning of the epidemic through 2016.

^b Rates are per 100,000 population.

Table 16. Adolescents and young adults living with diagnosed HIV infection, by age group and area of residence, year-end 2015—United States and 6 dependent areas

Area of residence	Aged 13–19 years at end of year		Aged 20–24 years at end of year		Total	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Alabama	79	17.7	610	177.4	689	87.3
Alaska	4	5.9	15	25.3	19	14.9
Arizona	87	13.6	455	93.4	542	48.0
Arkansas	37	13.4	246	118.5	283	58.4
California	410	11.4	2,904	101.0	3,314	51.2
Colorado	37	7.6	202	52.1	239	27.2
Connecticut	38	11.1	236	95.4	274	46.5
Delaware	19	22.9	85	137.0	104	71.8
District of Columbia	66	139.8	366	615.0	432	404.8
Florida	623	37.9	2,970	229.3	3,593	122.3
Georgia	337	34.0	2,040	278.5	2,377	137.8
Hawaii	6	5.4	34	33.7	40	18.8
Idaho	7	4.2	19	17.1	26	9.4
Illinois	227	19.1	1,427	158.6	1,654	79.2
Indiana	77	12.1	453	93.3	530	47.3
Iowa	15	5.1	67	28.9	82	15.6
Kansas	21	7.5	83	37.8	104	20.8
Kentucky	51	12.8	238	76.3	289	40.6
Louisiana	167	39.4	953	280.5	1,120	146.6
Maine	7	6.3	23	29.6	30	15.9
Maryland	229	42.7	984	246.8	1,213	129.7
Massachusetts	98	15.9	397	79.9	495	44.4
Michigan	118	12.7	732	101.1	850	51.4
Minnesota	63	12.7	200	54.6	263	30.5
Mississippi	74	25.6	517	235.8	591	116.2
Missouri	68	12.3	483	112.1	551	56.1
Montana	1	1.1	11	14.8	12	7.4
Nebraska	21	11.7	58	41.6	79	24.8
Nevada	30	12.0	308	164.8	338	77.4
New Hampshire	4	3.4	28	30.6	32	15.2
New Jersey	205	25.5	851	148.2	1,056	76.7
New Mexico	9	4.6	87	58.4	96	28.0
New York	748	43.6	3,146	221.4	3,894	124.1
North Carolina	179	19.4	1,179	168.5	1,358	83.7
North Dakota	1	1.5	12	16.9	13	9.5
Ohio	145	13.5	877	112.0	1,022	55.1
Oklahoma	32	8.8	202	70.6	234	35.9
Oregon	19	5.6	110	41.0	129	21.2
Pennsylvania	255	22.4	1,059	123.6	1,314	65.9
Rhode Island	18	18.4	35	43.6	53	29.7
South Carolina	101	23.1	641	186.1	742	94.9
South Dakota	5	6.4	11	18.0	16	11.5
Tennessee	91	15.5	636	137.8	727	69.2
Texas	565	20.6	3,484	173.1	4,049	85.2
Utah	16	4.8	53	21.1	69	11.9
Vermont	4	7.0	13	27.4	17	16.2
Virginia	131	17.5	775	130.0	906	67.5
Washington	62	10.1	224	45.6	286	25.8
West Virginia	13	8.5	53	43.7	66	24.0
Wisconsin	24	4.5	212	51.8	236	25.1
Wyoming	4	7.8	8	19.0	12	12.8
Subtotal	5,648	19.2	30,812	135.8	36,460	70.1
U.S. dependent areas						
American Samoa	0	0.0	0	0.0	0	0.0
Guam	0	0.0	1	7.4	1	3.0
Northern Mariana Islands	0	0.0	1	25.3	1	11.3
Puerto Rico	70	21.0	392	157.3	462	79.3
Republic of Palau	0	0.0	0	0.0	0	0.0
U.S. Virgin Islands	3	39.8	8	159.6	11	87.7
Subtotal	73	19.5	402	143.7	475	72.6
Total	5,721	19.2	31,214	135.9	36,935	70.1

Note. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population.

Table 17. Adolescents and young adults living with diagnosed HIV infection ever classified as stage 3 (AIDS), by age group and area of residence, year-end 2015—United States and 6 dependent areas

Area of residence	Aged 13–19 years at end of year		Aged 20–24 years at end of year		Total	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Alabama	17	3.8	116	33.7	133	16.9
Alaska	1	1.5	3	5.1	4	3.1
Arizona	10	1.6	68	14.0	78	6.9
Arkansas	7	2.5	37	17.8	44	9.1
California	77	2.1	502	17.5	579	8.9
Colorado	3	0.6	35	9.0	38	4.3
Connecticut	6	1.8	50	20.2	56	9.5
Delaware	7	8.5	35	56.4	42	29.0
District of Columbia	17	36.0	88	147.9	105	98.4
Florida	169	10.3	760	58.7	929	31.6
Georgia	72	7.3	483	65.9	555	32.2
Hawaii	2	1.8	5	5.0	7	3.3
Idaho	1	0.6	3	2.7	4	1.4
Illinois	36	3.0	298	33.1	334	16.0
Indiana	10	1.6	79	16.3	89	7.9
Iowa	1	0.3	15	6.5	16	3.0
Kansas	2	0.7	17	7.7	19	3.8
Kentucky	10	2.5	40	12.8	50	7.0
Louisiana	29	6.8	192	56.5	221	28.9
Maine	1	0.9	6	7.7	7	3.7
Maryland	63	11.7	253	63.5	316	33.8
Massachusetts	24	3.9	87	17.5	111	10.0
Michigan	20	2.2	142	19.6	162	9.8
Minnesota	12	2.4	40	10.9	52	6.0
Mississippi	15	5.2	124	56.6	139	27.3
Missouri	8	1.5	102	23.7	110	11.2
Montana	0	0.0	2	2.7	2	1.2
Nebraska	2	1.1	10	7.2	12	3.8
Nevada	8	3.2	62	33.2	70	16.0
New Hampshire	2	1.7	5	5.5	7	3.3
New Jersey	47	5.9	237	41.3	284	20.6
New Mexico	4	2.1	14	9.4	18	5.2
New York	128	7.5	873	61.5	1,001	31.9
North Carolina	21	2.3	202	28.9	223	13.7
North Dakota	0	0.0	3	4.2	3	2.2
Ohio	29	2.7	157	20.0	186	10.0
Oklahoma	7	1.9	29	10.1	36	5.5
Oregon	2	0.6	13	4.8	15	2.5
Pennsylvania	57	5.0	252	29.4	309	15.5
Rhode Island	5	5.1	15	18.7	20	11.2
South Carolina	31	7.1	153	44.4	184	23.5
South Dakota	1	1.3	2	3.3	3	2.1
Tennessee	18	3.1	176	38.1	194	18.5
Texas	61	2.2	689	34.2	750	15.8
Utah	2	0.6	7	2.8	9	1.5
Vermont	1	1.7	3	6.3	4	3.8
Virginia	30	4.0	125	21.0	155	11.5
Washington	9	1.5	39	7.9	48	4.3
West Virginia	3	2.0	15	12.4	18	6.6
Wisconsin	5	0.9	46	11.2	51	5.4
Wyoming	2	3.9	4	9.5	6	6.4
Subtotal	1,095	3.7	6,713	29.6	7,808	15.0
U.S. dependent areas						
American Samoa	0	0.0	0	0.0	0	0.0
Guam	0	0.0	0	0.0	0	0.0
Northern Mariana Islands	0	0.0	0	0.0	0	0.0
Puerto Rico	18	5.4	88	35.3	106	18.2
Republic of Palau	0	0.0	0	0.0	0	0.0
U.S. Virgin Islands	2	26.6	3	59.9	5	39.9
Subtotal	20	5.3	91	32.5	111	17.0
Total	1,115	3.8	6,804	29.6	7,919	15.0

Note. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population.

Table 18. Adolescents and young adults living with diagnosed HIV infection, by selected races/ethnicities and area of residence, year-end 2015—United States and 6 dependent areas

Area of residence	Black/African American		Hispanic/Latino ^a		White	
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
Alabama	544	220.5	12	32.2	97	20.5
Alaska	4	76.4	3	26.2	5	7.4
Arizona	134	244.6	204	43.8	133	27.5
Arkansas	180	197.2	19	41.6	56	17.4
California	847	219.2	1,600	50.6	562	30.1
Colorado	57	143.6	73	30.1	91	17.2
Connecticut	130	187.8	104	89.7	34	9.5
Delaware	77	200.4	5	29.4	18	23.0
District of Columbia	370	699.5	27	242.6	16	45.3
Florida	2,324	384.5	737	88.5	413	30.9
Georgia	1,966	324.0	125	66.6	189	23.1
Hawaii	9	155.2	9	29.9	5	13.0
Idaho	10	344.2	3	6.6	11	5.2
Illinois	1,160	331.4	243	54.0	161	14.2
Indiana	305	250.2	37	39.2	149	17.8
Iowa	21	84.1	9	22.2	34	7.9
Kansas	42	122.8	18	24.0	32	9.2
Kentucky	160	221.2	6	19.9	107	18.5
Louisiana	949	326.4	36	91.8	109	27.2
Maine	11	252.9	5	106.8	12	7.1
Maryland	1,004	329.6	77	75.5	65	14.8
Massachusetts	188	206.5	182	110.3	98	13.1
Michigan	659	245.4	36	32.7	110	9.6
Minnesota	131	202.4	27	44.3	75	11.7
Mississippi	514	233.2	10	60.1	37	14.5
Missouri	399	288.7	26	49.4	105	14.3
Montana	1	74.5	2	24.1	6	4.5
Nebraska	30	167.1	12	27.5	27	11.4
Nevada	127	296.3	112	66.2	69	41.5
New Hampshire	8	223.0	9	88.3	13	7.0
New Jersey	624	300.0	287	90.1	93	13.3
New Mexico	8	115.3	62	31.6	13	14.0
New York	1,825	358.5	1,410	204.0	296	18.6
North Carolina	1,033	257.2	91	48.9	154	16.7
North Dakota	4	88.2	3	46.8	5	4.5
Ohio	679	248.0	55	63.0	238	17.1
Oklahoma	97	165.3	30	35.0	74	19.8
Oregon	19	136.7	22	19.3	68	16.6
Pennsylvania	846	317.6	204	107.7	203	14.4
Rhode Island	23	181.6	13	37.8	14	12.0
South Carolina	614	249.0	23	44.9	82	18.3
South Dakota	3	95.1	4	62.1	4	3.7
Tennessee	475	219.9	43	65.9	105	14.6
Texas	1,991	327.1	1,413	64.7	438	26.3
Utah	13	181.1	21	23.1	30	6.8
Vermont	5	231.5	3	97.8	4	4.3
Virginia	641	222.1	82	57.2	136	17.5
Washington	83	171.3	52	27.0	111	16.3
West Virginia	22	174.0	5	87.1	37	15.1
Wisconsin	157	201.5	32	38.6	34	4.8
Wyoming	2	131.9	3	25.5	4	5.4
Subtotal	21,525	286.1	7,626	66.7	4,982	17.6
U.S. dependent areas^c						
American Samoa	0	—	0	—	0	—
Guam	0	—	0	—	0	—
Northern Mariana Islands	0	—	0	—	0	—
Puerto Rico	0	—	462	—	0	—
Republic of Palau	0	—	0	—	0	—
U.S. Virgin Islands	7	—	2	—	0	—
Subtotal	7	—	464	—	0	—
Total	21,532	—	8,090	—	4,982	—

Note. "Adolescents" refers to persons aged 13–19 years and "young adults" refers to persons aged 20–24 years. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Hispanics/Latinos can be of any race.

^b Rates are per 100,000 population.

^c Rates by race/ethnicity are not provided because U.S. census information for U.S. dependent areas is limited.

Table 19. Adolescents and young adults living with diagnosed HIV infection ever classified as stage 3 (AIDS), by selected races/ethnicities and area of residence, year-end 2015—United States and 6 dependent areas

Area of residence	Black/African American		Hispanic/Latino ^a		White	
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
Alabama	111	45.0	3	8.0	12	2.5
Alaska	0	0.0	0	0.0	2	3.0
Arizona	15	27.4	44	9.5	9	1.9
Arkansas	32	35.1	2	4.4	3	0.9
California	183	47.4	274	8.7	74	4.0
Colorado	13	32.8	12	5.0	10	1.9
Connecticut	28	40.5	22	19.0	6	1.7
Delaware	34	88.5	3	17.6	4	5.1
District of Columbia	99	187.2	2	18.0	1	2.8
Florida	691	114.3	139	16.7	74	5.5
Georgia	480	79.1	29	15.5	28	3.4
Hawaii	2	34.5	1	3.3	1	2.6
Idaho	3	103.3	1	2.2	0	0.0
Illinois	245	70.0	41	9.1	26	2.3
Indiana	48	39.4	7	7.4	22	2.6
Iowa	3	12.0	3	7.4	9	2.1
Kansas	9	26.3	3	4.0	6	1.7
Kentucky	26	35.9	2	6.6	17	2.9
Louisiana	194	66.7	11	28.1	11	2.7
Maine	4	92.0	1	21.4	1	0.6
Maryland	271	89.0	21	20.6	7	1.6
Massachusetts	48	52.7	38	23.0	18	2.4
Michigan	130	48.4	7	6.4	15	1.3
Minnesota	25	38.6	2	3.3	16	2.5
Mississippi	114	51.7	4	24.0	6	2.3
Missouri	84	60.8	6	11.4	13	1.8
Montana	0	0.0	1	12.0	1	0.8
Nebraska	7	39.0	3	6.9	1	0.4
Nevada	34	79.3	21	12.4	11	6.6
New Hampshire	3	83.6	3	29.4	1	0.5
New Jersey	183	88.0	64	20.1	21	3.0
New Mexico	4	57.7	9	4.6	3	3.2
New York	490	96.3	387	56.0	39	2.4
North Carolina	167	41.6	20	10.7	20	2.2
North Dakota	1	22.1	0	0.0	1	0.9
Ohio	123	44.9	10	11.5	41	3.0
Oklahoma	13	22.2	5	5.8	14	3.7
Oregon	2	14.4	3	2.6	8	2.0
Pennsylvania	201	75.4	58	30.6	35	2.5
Rhode Island	10	78.9	5	14.5	3	2.6
South Carolina	162	65.7	7	13.7	11	2.5
South Dakota	0	0.0	2	31.0	0	0.0
Tennessee	95	44.0	12	18.4	17	2.4
Texas	372	61.1	260	11.9	77	4.6
Utah	3	41.8	4	4.4	2	0.5
Vermont	0	0.0	0	0.0	1	1.1
Virginia	117	40.5	10	7.0	16	2.1
Washington	13	26.8	11	5.7	16	2.4
West Virginia	10	79.1	1	17.4	6	2.4
Wisconsin	33	42.4	9	10.9	7	1.0
Wyoming	0	0.0	1	8.5	2	2.7
Subtotal	4,935	65.6	1,584	13.9	745	2.6
U.S. dependent areas^c						
American Samoa	0	—	0	—	0	—
Guam	0	—	0	—	0	—
Northern Mariana Islands	0	—	0	—	0	—
Puerto Rico	0	—	106	—	0	—
Republic of Palau	0	—	0	—	0	—
U.S. Virgin Islands	4	—	0	—	0	—
Subtotal	4	—	106	—	0	—
Total	4,939	—	1,690	—	745	—

Note. "Adolescents" refers to persons aged 13–19 years and "young adults" refers to persons aged 20–24 years. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Hispanics/Latinos can be of any race.

^b Rates are per 100,000 population.

^c Rates by race/ethnicity are not provided because U.S. census information for U.S. dependent areas is limited.