

HIV | SURVEILLANCE REPORT

SUPPLEMENTAL REPORT

Volume 24, Number 5

Diagnoses of HIV Infection Among Adolescents and Young Adults in the United States and 6 Dependent Areas 2012–2017

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



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The 2017 *HIV Surveillance Report*, published by the Centers for Disease Control and Prevention (CDC), revealed that the annual rate of diagnoses of HIV infection in the United States from 2012 through 2016 decreased. During 2012–2016, 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 2017, persons aged 13–24 years accounted for 21% of all diagnoses, with those aged 20–24 years having the second highest rate of diagnoses (28.7 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 2017 *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 2012–2017 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 FORMAT

Data in this report are presented for adolescents and young adults whose HIV infection was diagnosed during 2012–2017 as well as for adolescents and young adults living with diagnosed HIV infection (prevalence) at year-end for the years 2012–2016.

REPORT CHANGES

New to this report are tables that display stratifications by 2-year and 3-year age groups for adolescents and young adults living with diagnosed HIV infection (Tables 10a/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 2012 and 2017). Exceptions to this standard were made where 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 2012 through 2017, the annual number and rate of diagnoses of HIV infection among adolescents and young adults in the United States decreased (Table 1a). In 2017, the rate was 15.9.

- **Age group:** From 2012 through 2017, the rates for adolescents and young adults decreased. In 2017, the rate for adolescents was 6.0, and the rate for young adults was 29.1.
- **Race/ethnicity:** From 2012 through 2017, the rates for white adolescents increased. The rates for black/African American and Hispanic/Latino adolescents and adolescents of multiple races decreased. In 2017, the rate for black/African American adolescents (26.4) was nearly 5 times the rate for Hispanic/Latino adolescents (5.5) and more than 17 times the rate for white adolescents (1.5). Please use caution when interpreting data for American Indian/Alaska Native, Asians, and Native Hawaiian/other Pacific Islander adolescents: the numbers are small. From 2012 through 2017, the rates for Asian and white young adults increased. The rates for American Indian/Alaska Native, black/African American, and Hispanic/Latino young adults and young adults of multiple races decreased. In 2017, the rate for black/African American young adults (100.3) was more than 3 times the rate for Hispanic/Latino young adults (32.3) and more than 9 times the rate for white young adults (10.5). Please use caution

when interpreting data for Native Hawaiian/other Pacific Islander young adults: the numbers are small.

- **Sex:** From 2012 through 2017, the rates for female adolescents, male young adults, and female young adults decreased. The rate for male adolescents remained stable. In 2017, the rate for male adolescents (10.1) was more than 5 times that for female adolescents (1.8), and the rate for male young adults (49.8) was nearly 7 times that for female young adults (7.2).
- **Males and transmission category:** From 2012 through 2017, among male adolescents, the number of diagnosed infections attributed to male-to-male sexual contact *and* injection drug use or heterosexual contact decreased; the number of infections attributed to male-to-male sexual contact remained stable. Please use caution when interpreting data for adolescents with infection attributed to injection drug use: the numbers are small. Among male young adults, the number of infections attributed to male-to-male sexual contact, male-to-male sexual contact *and* injection drug use, or heterosexual contact decreased; the number of infections attributed to injection drug use remained stable. In 2017, diagnosed infections attributed to male-to-male sexual contact accounted for 94% of diagnosed HIV infections among male adolescents and 92% of diagnosed HIV infections among male young adults.
- **Females and transmission category:** From 2012 through 2017, among female adolescents, the number of diagnosed infections attributed to injection drug use or heterosexual contact decreased. Among female young adults, the number of diagnosed HIV infections attributed to heterosexual contact decreased; the number of infections attributed to injection drug use remained stable. In 2017, diagnosed infections attributed to heterosexual contact accounted for 84% of diagnosed HIV infections among female adolescents and 86% of diagnosed HIV infections among female young adults.
- **Region:** From 2012 through 2017, among adolescents and young adults, the rates of diagnoses of HIV infection in the Northeast, Midwest, and the South decreased; the rates in the West increased. In 2017, the rates for adolescents were 8.7 in the

South, 4.9 in the Midwest, 4.8 in the Northeast, and 3.7 in the West. The rates for young adults were 41.1 in the South, 23.5 in the Northeast, 22.2 in the West, and 20.2 in the Midwest.

Stage 3 (AIDS)

From 2012 through 2017, 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 2017, the rate of infections classified as stage 3 (AIDS) was 2.7.

- **Age group:** From 2012 through 2017, the rates for adolescents and young adults decreased. In 2017, the rate was 0.7 for adolescents, and the rate was 5.2 for young adults.
- **Race/ethnicity:** From 2012 through 2017, the rates for black/African American and Hispanic/Latino adolescents decreased. In 2017, the rate for black/African American adolescents (3.2) was 4 times the rate for Hispanic/Latino adolescents (0.8). Please use caution when interpreting data for American Indian/Alaska Native, Asian, Native Hawaiian/other Pacific Islander, and white adolescents, and adolescents of multiple races: the numbers are small. From 2012 through 2017, 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 2017, the rate for blacks/African Americans (21.4) was more than 4 times the rate for Hispanics/Latinos (4.9) and more than 15 times the rate for whites (1.4). Please use caution when interpreting data for American Indians/Alaska Natives and Native Hawaiians/other Pacific Islanders: the numbers are small.
- **Sex:** From 2012 through 2017, the rates for male and female adolescents and male and female young adults decreased. In 2017, the rate for male adolescents (1.1) was nearly 4 times that for female adolescents (0.3), and the rate for male young adults (8.5) was nearly 5 times that for female young adults (1.8).
- **Males and transmission category:** From 2012 through 2017, the annual number of infections classified as stage 3 (AIDS) among male adolescents with HIV infection attributed to male-to-male sexual contact decreased. Please use caution

when interpreting data for male adolescents with infection attributed to injection drug use, male-to-male sexual contact *and* injection drug use, or heterosexual contact: the numbers are small. The number of infections classified as stage 3 (AIDS) among male young adults with HIV infection attributed to male-to-male sexual contact, injection drug use, male-to-male sexual contact *and* injection drug use, or heterosexual contact decreased.

- **Females and transmission category:** From 2012 through 2017, the annual number of infections classified as stage 3 (AIDS) among female adolescents with HIV infection attributed to heterosexual contact decreased. Please use caution when interpreting data for female adolescents with HIV infection attributed to injection drug use: the numbers are small. The number of infections classified as stage 3 (AIDS) among female young adults 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 injection drug use remained stable.
- **Region:** From 2012 through 2017, 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 2017, the rates for adolescents were 1.0 in the South, 0.8 in the Northeast, 0.5 in the Midwest, and 0.4 in the West. The rates for young adults were 8.0 in the South, 4.2 in the Midwest, 3.7 in the Northeast, and 3.1 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 2012 through 2016, the number and rates of adolescents and young adults in the United States living with diagnosed HIV infection decreased (Table 8a). At year-end 2016, 5,300 adolescents and 29,775 young adults were living with diagnosed HIV infection. The prevalence of diagnosed HIV infection was 18.1 for adolescents and 133.0 for young adults.

- **Race/ethnicity:** At year-end 2016, among adolescents, the highest rate (80.9) and the largest percentage (63%) were those for blacks/African

Americans. Among the remaining race/ethnicity groups, the rates were 24.9 for adolescents of multiple races, 15.7 for Hispanics/Latinos, 5.7 for Asians, 4.4 for American Indians/Alaska Natives, 3.6 for whites, and 1.8 for Native Hawaiians/other Pacific Islanders. 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 (515.9) and the largest percentage (57%) were those for blacks/African Americans. Among the remaining race/ethnicity groups, the rates were 230.2 for young adults of multiple races, 136.5 for Hispanics/Latinos, 61.9 for American Indians/Alaska Natives, 51.5 for Native Hawaiians/other Pacific Islanders, 34.4 for whites, and 32.3 for Asians.

- **Sex and transmission category:** At year-end 2016, the rates were 21.7 for male adolescents, 14.3 for female adolescents, 209.9 for male young adults, and 51.8 for female young adults. Among a total of 3,252 male adolescents living with diagnosed HIV infection, 55% of infections were attributed to male-to-male sexual contact, 35% 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 2,048 female adolescents living with diagnosed HIV infection, 66% of infections were attributed to perinatal transmission, 21% to heterosexual contact, and 2% to injection drug use. Among a total of 24,132 male young adults living with diagnosed HIV infection, 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 5,643 female young adults living with diagnosed HIV infection, 58% of infections were attributed to heterosexual contact, 33% to perinatal transmission, and 7% to injection drug use.
- **Region:** At year-end 2016, among adolescents, the prevalence rates were 24.0 in the Northeast, 23.4 in the South, 12.9 in the Midwest, and 9.8 in the West. Among young adults, the prevalence rates were 184.8 in the South, 139.1 in the Northeast, 93.0 in the Midwest, and 83.6 in the West.

Prevalence of stage 3 (AIDS)

From 2012 through 2016, the number and rates of adolescents and young adults living with infection ever classified as stage 3 (AIDS) decreased (Table 9a). At year-end 2016, 935 adolescents and 5,952 young adults were living with infection ever classified as stage 3 (AIDS). The prevalence of infection ever classified as stage 3 (AIDS) was 3.2 for adolescents and 26.6 for young adults.

- **Race/ethnicity:** At year-end 2016, among adolescents, the highest rate (15.3) and the largest percentage (67%) were those for blacks/African Americans. Among the remaining race/ethnicity groups, the rates were 4.8 for adolescents of multiple races, 2.6 for Hispanics/Latinos, 1.8 for Native Hawaiians/other Pacific Islanders, 1.6 for American Indians/Alaska Natives, 1.0 for Asians, and 0.4 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 (111.6) and the largest percentage (62%) were those for blacks/African Americans. Among the remaining race/ethnicity groups, the rates were 58.7 for young adults of multiple races, 26.0 for Hispanics/Latinos, 11.4 for American Indians/Alaska Natives, 11.2 for Native Hawaiians/other Pacific Islanders, 4.7 for whites, and 4.3 for Asians. Please use caution when interpreting data for Native Hawaiians/other Pacific Islanders: the numbers are small.
- **Sex and transmission category:** At year-end 2016, the rates were 3.3 for male adolescents, 3.0 for female adolescents, 37.0 for male young adults, and 15.6 for female young adults. Among a total of 498 male adolescents, 59% of infections were attributed to perinatal transmission, 32% to male-to-male sexual contact, 2% to heterosexual contact, 1% to male-to-male sexual contact *and* injection drug use, and <1% to injection drug use. Among a total of 437 female adolescents, 83% of infections were attributed to perinatal transmission, 11% to heterosexual contact, and <1% to injection drug use. Among a total of 4,255 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 1,697 female young adults, 60% of infections were attributed to perinatal transmission, 34% to heterosexual contact, and 4% to injection drug use.

- **Region:** At year-end 2016, among adolescents, the prevalence rates were 4.4 in the South, 4.2 in the Northeast, 2.0 in the Midwest, and 1.5 in the West. Among young adults, the prevalence rates were 37.3 in the South, 33.7 in the Northeast, 17.6 in the Midwest, and 12.8 in the West.

Data for Population of Area of Residence

- **Diagnoses of HIV infection and population of area of residence:** From 2012 through 2017, among male adolescents, the number of diagnoses of HIV infection with infection attributed to male-to-male sexual contact increased in metropolitan areas (populations of 50,000–499,999) and in nonmetropolitan areas (populations <50,000), and remained stable in metropolitan statistical areas (populations \geq 500,000) (Table 7). Among male young adults, the number of diagnoses of HIV infection with infection attributed to male-to-male sexual contact increased in nonmetropolitan areas, decreased in metropolitan statistical areas, and remained stable in metropolitan areas. In 2016, metropolitan statistical areas accounted for the largest percentages of adolescents (79%) and young adults (73%) with infections attributed to male-to-male sexual contact.
- **Prevalence of diagnosed HIV infection and population of area of residence:** At year-end 2016, among adolescents, prevalence was 21.0 in metropolitan statistical areas, 10.7 in metropolitan areas, and 7.0 in nonmetropolitan areas (Table 13). Among young adults, prevalence was 156.8 in metropolitan statistical areas, 78.7 in metropolitan areas, and 55.3 in nonmetropolitan areas.
- **Prevalence of stage 3 (AIDS) and population of area of residence:** At year-end 2016, among adolescents, prevalence was 3.7 in metropolitan statistical areas, 1.6 in metropolitan areas, and 1.5 in nonmetropolitan areas (Table 14). Among young adults, prevalence was 31.3 in metropolitan statistical areas, 15.2 in metropolitan areas, and 10.8 in nonmetropolitan areas.

SUGGESTED READINGS

- CDC. HIV diagnoses among persons aged 13–29 years—United States, 2010–2014. *MMWR* 2018;67(7):212–215.
- CDC. *HIV Surveillance Report 2017*; vol. 29. <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published November 2018. Accessed September 27, 2019.
- CDC. HIV testing, linkage to HIV medical care, and interviews for partner services among youths—61 health department jurisdictions, United States, Puerto Rico, and the U.S. Virgin Islands, 2015. *MMWR* 2017;66(24):629–635.
- CDC. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2017. *HIV Surveillance Supplemental Report* 2019;24(No. 3). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published June 2019. Accessed September 27, 2019.
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- 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.
- Neilan AM, Dunville R, Ocfemia MCB, et al. The optimal age for screening adolescents and young adults without identified risk factors for HIV. *J Adolesc Health* 2018;62(1):22–28. doi:10.1016/j.jadohealth.2017.08.028.

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. Agreements between CDC and state/local HIV surveillance programs regarding the release of data require the suppression of small numbers to ensure the confidentiality of personally identifiable information.

TABULATION AND PRESENTATION OF DATA

The data in this report include information received by CDC through December 31, 2018. The data are presented for adolescents and young adults aged 13–24 years with HIV infection diagnosed during 2012–2017. 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, 2018. 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. HIV diagnoses do not necessarily reflect when a person became infected. HIV surveillance data may not be representative of all persons with HIV because not all infected persons have been (1) 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. Therefore, reports of confidential test results may not represent all persons who tested positive for HIV infection. Because of reporting delays, the number of cases diagnosed in a given year may be lower than the numbers presented in later reports; however, fluctuations in the number of diagnoses for a calendar year typically subside after 2 to 3 years of reporting.

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 2012–2016. The exclusion of data from the most recent year allowed at least 24 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, 10a/b, 11, 13, 17, and 19) and presentations of data on persons living with infection classified as Stage 3 (AIDS) (Tables 9a/b, 12, 14, 18, and 20), 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–14), 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 pro-

portion 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

Metropolitan Statistical Areas

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, 2012–2017) presents numbers of diagnoses by population of area of residence. Tables 13–14 (data on adolescents and young adults living with diagnosed infection or infection ever classified as stage 3 [AIDS], year-end 2016) 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., persons who inject drugs). The heterosexual contact transmission category excludes men who have ever had sexual contact with both men and women.

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 is 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 transmis-

sion category is replaced with a set of plausible values that represent the uncertainty about the true, but missing, value [7]. Each resulting data set containing the plausible values is analyzed by using standard procedures, and the results from these analyses are then combined to produce the final results. In tables displaying transmission categories, multiple imputation was used.

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 2017 postcensal estimates file (for years 2012–2017) 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, 2012–2017—United States

	2012		2013		2014		2015		2016		2017	
	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	6	2.3	2	0.8	6	2.4	7	2.8	2	0.8	3	1.2
Asian	20	1.5	9	0.7	19	1.4	27	1.9	25	1.7	27	1.8
Black/African American	1,211	28.1	1,083	25.5	1,075	25.7	1,098	26.6	1,054	25.7	1,075	26.4
Hispanic/Latino ^b	379	5.9	345	5.3	369	5.6	365	5.5	359	5.3	380	5.5
Native Hawaiian/Other Pacific Islander	1	1.8	1	1.8	2	3.6	3	5.4	1	1.8	1	1.8
White	217	1.3	184	1.1	202	1.3	203	1.3	224	1.4	236	1.5
Multiple races	104	11.5	105	11.3	90	9.4	68	7.0	61	6.1	53	5.1
Transmission category^c												
Males												
Male-to-male sexual contact	1,434	—	1,291	—	1,327	—	1,405	—	1,350	—	1,425	—
Injection drug use	19	—	14	—	11	—	9	—	11	—	11	—
Male-to-male sexual contact and injection drug use	45	—	42	—	45	—	46	—	46	—	31	—
Heterosexual contact ^d	50	—	46	—	41	—	43	—	46	—	36	—
Other ^e	15	—	11	—	10	—	8	—	6	—	8	—
Subtotal	1,563	10.3	1,405	9.3	1,434	9.5	1,511	10.1	1,460	9.7	1,511	10.1
Females												
Injection drug use	35	—	28	—	31	—	21	—	18	—	25	—
Heterosexual contact ^d	328	—	279	—	280	—	230	—	222	—	221	—
Other ^e	13	—	17	—	18	—	9	—	26	—	19	—
Subtotal	375	2.6	324	2.2	329	2.3	260	1.8	266	1.9	264	1.8
Region of residence^f												
Northeast	297	5.7	272	5.3	270	5.3	251	5.0	221	4.5	236	4.8
Midwest	337	5.2	305	4.8	303	4.8	277	4.4	323	5.1	308	4.9
South	1,070	9.7	933	8.5	945	8.5	1,002	9.0	946	8.5	976	8.7
West	234	3.3	219	3.1	245	3.5	241	3.5	236	3.4	255	3.7
Subtotal, 13–19 years of age	1,938	6.5	1,729	5.9	1,763	6.0	1,771	6.0	1,726	5.9	1,775	6.0
20–24 years of age at diagnosis												
Race/ethnicity												
American Indian/Alaska Native	28	14.2	25	12.4	32	15.8	38	19.1	35	18.1	23	12.2
Asian	93	7.8	108	8.9	143	11.6	138	11.0	131	10.3	171	13.2
Black/African American	3,791	114.0	3,783	110.7	3,914	113.7	3,777	111.3	3,576	108.3	3,224	100.3
Hispanic/Latino ^b	1,572	34.4	1,494	32.0	1,695	35.6	1,759	36.6	1,698	35.2	1,564	32.3
Native Hawaiian/Other Pacific Islander	9	18.6	6	12.4	6	12.7	11	23.9	2	4.5	8	18.2
White	1,250	9.8	1,251	9.8	1,256	10.0	1,262	10.2	1,216	10.0	1,250	10.5
Multiple races	401	77.9	375	68.8	314	54.7	280	46.8	257	41.6	194	30.5
Transmission category^c												
Males												
Male-to-male sexual contact	5,712	—	5,695	—	5,991	—	5,865	—	5,600	—	5,201	—
Injection drug use	80	—	85	—	80	—	101	—	76	—	80	—
Male-to-male sexual contact and injection drug use	253	—	269	—	207	—	242	—	235	—	189	—
Heterosexual contact ^d	241	—	194	—	224	—	226	—	262	—	182	—
Other ^e	4	—	2	—	6	—	6	—	2	—	4	—
Subtotal	6,290	54.5	6,245	53.4	6,508	55.5	6,440	55.3	6,175	53.7	5,656	49.8
Females												
Injection drug use	97	—	86	—	90	—	106	—	82	—	93	—
Heterosexual contact ^d	752	—	697	—	759	—	711	—	650	—	672	—
Other ^e	5	—	14	—	3	—	7	—	8	—	12	—
Subtotal	854	7.7	797	7.2	852	7.6	825	7.5	740	6.8	778	7.2
Region of residence^f												
Northeast	1,142	29.2	1,083	27.5	1,063	27.0	967	24.9	914	23.8	893	23.5
Midwest	1,091	22.9	1,128	23.3	1,083	22.3	1,113	23.0	1,029	21.6	947	20.2
South	3,756	44.5	3,707	43.4	3,971	46.4	3,896	45.8	3,675	43.8	3,409	41.1
West	1,155	21.1	1,124	20.4	1,243	22.5	1,289	23.6	1,297	24.1	1,185	22.2
Subtotal, 20–24 years of age	7,144	31.6	7,042	30.9	7,360	32.2	7,265	32.0	6,915	30.9	6,434	29.1
Total	9,082	17.4	8,771	16.7	9,123	17.4	9,036	17.4	8,641	16.7	8,209	15.9

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, 2012–2017—United States and 6 dependent areas

	2012		2013		2014		2015		2016		2017	
	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	6	—	2	—	6	—	7	—	2	—	3	—
Asian	20	—	9	—	19	—	27	—	25	—	27	—
Black/African American	1,211	—	1,083	—	1,075	—	1,098	—	1,054	—	1,075	—
Hispanic/Latino ^b	399	—	365	—	393	—	372	—	372	—	391	—
Native Hawaiian/Other Pacific Islander	2	—	1	—	2	—	3	—	1	—	1	—
White	217	—	184	—	202	—	203	—	224	—	237	—
Multiple races	105	—	105	—	91	—	68	—	61	—	53	—
Transmission category^c												
Males												
Male-to-male sexual contact	1,447	—	1,305	—	1,344	—	1,408	—	1,359	—	1,433	—
Injection drug use	20	—	14	—	12	—	10	—	12	—	11	—
Male-to-male sexual contact and injection drug use	45	—	42	—	45	—	46	—	46	—	31	—
Heterosexual contact ^d	52	—	48	—	41	—	44	—	46	—	37	—
Other ^e	15	—	11	—	10	—	8	—	6	—	8	—
Subtotal	1,579	10.2	1,421	9.3	1,451	9.5	1,516	10.0	1,470	9.7	1,520	10.0
Females												
Injection drug use	35	—	28	—	31	—	21	—	18	—	25	—
Heterosexual contact ^d	334	—	283	—	288	—	232	—	225	—	224	—
Other ^e	13	—	17	—	18	—	9	—	26	—	19	—
Subtotal	381	2.6	328	2.2	337	2.3	262	1.8	269	1.9	267	1.8
Region of residence^f												
Northeast	297	5.7	272	5.3	270	5.3	251	5.0	221	4.5	236	4.8
Midwest	337	5.2	305	4.8	303	4.8	277	4.4	323	5.1	308	4.9
South	1,070	9.7	933	8.5	945	8.5	1,002	9.0	946	8.5	976	8.7
West	234	3.3	219	3.1	245	3.5	241	3.5	236	3.4	255	3.7
U.S. dependent areas	22	5.3	20	4.9	25	6.3	7	1.8	13	3.6	12	3.5
Subtotal, 13–19 years of age	1,960	6.5	1,749	5.8	1,788	6.0	1,778	6.0	1,739	5.9	1,787	6.0
20–24 years of age at diagnosis												
Race/ethnicity												
American Indian/Alaska Native	28	—	25	—	32	—	38	—	35	—	23	—
Asian	93	—	108	—	143	—	138	—	131	—	171	—
Black/African American	3,791	—	3,784	—	3,914	—	3,778	—	3,577	—	3,224	—
Hispanic/Latino ^b	1,675	—	1,580	—	1,811	—	1,839	—	1,768	—	1,624	—
Native Hawaiian/Other Pacific Islander	9	—	6	—	7	—	12	—	4	—	9	—
White	1,250	—	1,251	—	1,257	—	1,262	—	1,217	—	1,250	—
Multiple races	401	—	375	—	314	—	281	—	257	—	194	—
Transmission category^c												
Males												
Male-to-male sexual contact	5,785	—	5,761	—	6,084	—	5,925	—	5,664	—	5,249	—
Injection drug use	85	—	86	—	83	—	103	—	79	—	80	—
Male-to-male sexual contact and injection drug use	256	—	271	—	210	—	245	—	235	—	189	—
Heterosexual contact ^d	245	—	200	—	231	—	233	—	263	—	191	—
Other ^e	4	—	2	—	6	—	6	—	2	—	4	—
Subtotal	6,375	54.5	6,320	53.4	6,614	55.7	6,512	55.2	6,243	53.7	5,713	49.8
Females												
Injection drug use	101	—	86	—	91	—	107	—	83	—	93	—
Heterosexual contact ^d	766	—	709	—	770	—	721	—	655	—	676	—
Other ^e	5	—	14	—	3	—	8	—	8	—	12	—
Subtotal	872	7.8	809	7.2	864	7.6	836	7.5	746	6.8	782	7.2
Region of residence^f												
Northeast	1,142	29.2	1,083	27.5	1,063	27.0	967	24.9	914	23.8	893	23.5
Midwest	1,091	22.9	1,128	23.3	1,083	22.3	1,113	23.0	1,029	21.6	947	20.2
South	3,756	44.5	3,707	43.4	3,971	46.4	3,896	45.8	3,675	43.8	3,409	41.1
West	1,155	21.1	1,124	20.4	1,243	22.5	1,289	23.6	1,297	24.1	1,185	22.2
U.S. dependent areas	103	35.2	87	29.8	118	41.0	83	29.7	74	27.3	61	23.3
Subtotal, 20–24 years of age	7,247	31.7	7,129	30.8	7,478	32.3	7,348	32.0	6,989	30.9	6,495	29.0
Total	9,207	17.4	8,878	16.7	9,266	17.5	9,126	17.3	8,728	16.7	8,282	15.9

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, 2012–2017 and cumulative—United States

	2012		2013		2014		2015		2016		2017		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	1	0.4	0	0.0	0	0.0	2	0.8	0	0.0	0	0.0	28
Asian ^c	5	0.4	3	0.2	0	0.0	2	0.1	3	0.2	2	0.1	62
Black/African American	254	5.9	268	6.3	143	3.4	139	3.4	152	3.7	132	3.2	6,440
Hispanic/Latino ^d	77	1.2	81	1.2	36	0.5	32	0.5	45	0.7	54	0.8	2,155
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	37	0.2	23	0.1	12	0.1	16	0.1	15	0.1	18	0.1	1,696
Multiple races	12	1.3	52	5.6	11	1.2	7	0.7	12	1.2	9	0.9	578
Transmission category^e													
Males													
Male-to-male sexual contact	221	—	250	—	110	—	116	—	124	—	146	—	4,098
Injection drug use	3	—	3	—	2	—	1	—	1	—	2	—	233
Male-to-male sexual contact and injection drug use	9	—	6	—	4	—	6	—	6	—	2	—	390
Heterosexual contact ^f	14	—	7	—	5	—	1	—	10	—	4	—	324
Other ^g	36	—	38	—	18	—	24	—	26	—	11	—	1,786
Subtotal	283	1.9	304	2.0	139	0.9	147	1.0	167	1.1	166	1.1	6,831
Females													
Injection drug use	6	—	3	—	2	—	3	—	2	—	2	—	507
Heterosexual contact ^f	53	—	54	—	31	—	23	—	24	—	26	—	2,368
Other ^g	45	—	65	—	29	—	26	—	34	—	21	—	1,260
Subtotal	103	0.7	123	0.9	63	0.4	51	0.4	60	0.4	49	0.3	4,135
Region of residence^h													
Northeast	76	1.5	67	1.3	42	0.8	44	0.9	40	0.8	37	0.8	2,880
Midwest	60	0.9	51	0.8	32	0.5	28	0.4	46	0.7	34	0.5	1,467
South	205	1.9	276	2.5	112	1.0	110	1.0	123	1.1	117	1.0	5,292
West	45	0.6	33	0.5	16	0.2	16	0.2	18	0.3	27	0.4	1,327
Subtotal, 13–19 years of age	386	1.3	427	1.4	202	0.7	198	0.7	227	0.8	215	0.7	10,966
20–24 years of age at diagnosis													
Race/ethnicity													
American Indian/Alaska Native	6	3.0	4	2.0	2	1.0	9	4.5	7	3.6	3	1.6	183
Asian ^c	14	1.2	20	1.6	21	1.7	16	1.3	19	1.5	28	2.2	423
Black/African American	1,128	33.9	1,199	35.1	782	22.7	776	22.9	744	22.5	687	21.4	27,316
Hispanic/Latino ^d	440	9.6	380	8.1	294	6.2	292	6.1	306	6.3	239	4.9	11,962
Native Hawaiian/Other Pacific Islander	2	4.1	1	2.1	0	0.0	3	6.5	1	2.2	2	4.5	37
White	212	1.7	235	1.8	179	1.4	150	1.2	136	1.1	163	1.4	12,710
Multiple races	111	21.6	164	30.1	78	13.6	67	11.2	57	9.2	39	6.1	2,261
Transmission category^e													
Males													
Male-to-male sexual contact	1,449	—	1,515	—	1,008	—	967	—	911	—	850	—	30,671
Injection drug use	23	—	20	—	15	—	17	—	12	—	15	—	2,775
Male-to-male sexual contact and injection drug use	71	—	63	—	47	—	39	—	44	—	31	—	3,978
Heterosexual contact ^f	71	—	66	—	47	—	43	—	63	—	50	—	2,352
Other ^g	31	—	34	—	22	—	35	—	23	—	23	—	1,078
Subtotal	1,645	14.2	1,698	14.5	1,139	9.7	1,100	9.4	1,053	9.2	969	8.5	40,854
Females													
Injection drug use	21	—	18	—	26	—	22	—	14	—	20	—	3,260
Heterosexual contact ^f	216	—	238	—	153	—	154	—	160	—	140	—	10,274
Other ^g	32	—	49	—	38	—	37	—	43	—	32	—	508
Subtotal	268	2.4	305	2.7	217	1.9	213	1.9	217	2.0	192	1.8	14,042
Region of residence^h													
Northeast	329	8.4	300	7.6	206	5.2	181	4.7	188	4.9	141	3.7	11,646
Midwest	284	6.0	315	6.5	218	4.5	224	4.6	226	4.7	195	4.2	7,275
South	1,022	12.1	1,138	13.3	751	8.8	723	8.5	694	8.3	660	8.0	26,685
West	278	5.1	250	4.5	181	3.3	185	3.4	162	3.0	165	3.1	9,290
Subtotal, 20–24 years of age	1,913	8.5	2,003	8.8	1,356	5.9	1,313	5.8	1,270	5.7	1,161	5.2	54,896
Totalⁱ	2,299	4.4	2,430	4.6	1,558	3.0	1,511	2.9	1,497	2.9	1,376	2.7	65,862

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 2017.

^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, 2012–2017 and cumulative—United States and 6 dependent areas

	2012		2013		2014		2015		2016		2017		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	1	—	0	—	0	—	2	—	0	—	0	—	28
Asian ^c	5	—	3	—	0	—	2	—	3	—	2	—	62
Black/African American	255	—	268	—	143	—	139	—	152	—	132	—	6,443
Hispanic/Latino ^d	78	—	87	—	41	—	32	—	48	—	55	—	2,452
Native Hawaiian/Other Pacific Islander	0	—	0	—	0	—	0	—	0	—	0	—	7
White	37	—	23	—	12	—	16	—	15	—	18	—	1,696
Multiple races	12	—	52	—	11	—	7	—	12	—	9	—	578
Transmission category^e													
Males													
Male-to-male sexual contact	221	—	251	—	112	—	116	—	127	—	146	—	4,145
Injection drug use	3	—	3	—	2	—	1	—	1	—	2	—	272
Male-to-male sexual contact and injection drug use	9	—	6	—	4	—	6	—	6	—	2	—	408
Heterosexual contact ^f	14	—	7	—	5	—	1	—	10	—	4	—	338
Other ^g	37	—	40	—	18	—	24	—	26	—	11	—	1,852
Subtotal	284	1.8	307	2.0	141	0.9	147	1.0	170	1.1	166	1.1	7,015
Females													
Injection drug use	6	—	3	—	2	—	3	—	2	—	2	—	540
Heterosexual contact ^f	53	—	56	—	33	—	23	—	24	—	27	—	2,419
Other ^g	46	—	66	—	31	—	26	—	34	—	21	—	1,292
Subtotal	104	0.7	126	0.9	66	0.5	51	0.4	60	0.4	50	0.3	4,251
Region of residence^h													
Northeast	76	1.5	67	1.3	42	0.8	44	0.9	40	0.8	37	0.8	2,880
Midwest	60	0.9	51	0.8	32	0.5	28	0.4	46	0.7	34	0.5	1,467
South	205	1.9	276	2.5	112	1.0	110	1.0	123	1.1	117	1.0	5,292
West	45	0.6	33	0.5	16	0.2	16	0.2	18	0.3	27	0.4	1,327
U.S. dependent areas	2	0.5	6	1.5	5	1.3	0	0.0	3	0.8	1	0.3	300
Subtotal, 13–19 years of age	388	1.3	433	1.4	207	0.7	198	0.7	230	0.8	216	0.7	11,266
20–24 years of age at diagnosis													
Race/ethnicity													
American Indian/Alaska Native	6	—	4	—	2	—	9	—	7	—	3	—	184
Asian ^c	14	—	20	—	21	—	16	—	19	—	28	—	425
Black/African American	1,128	—	1,199	—	782	—	777	—	744	—	687	—	27,327
Hispanic/Latino ^d	458	—	400	—	312	—	304	—	320	—	251	—	13,392
Native Hawaiian/Other Pacific Islander	2	—	1	—	0	—	3	—	2	—	2	—	39
White	212	—	235	—	179	—	150	—	136	—	163	—	12,712
Multiple races	111	—	164	—	78	—	67	—	58	—	39	—	2,264
Transmission category^e													
Males													
Male-to-male sexual contact	1,459	—	1,528	—	1,021	—	977	—	921	—	851	—	30,990
Injection drug use	24	—	22	—	15	—	17	—	13	—	15	—	3,171
Male-to-male sexual contact and injection drug use	71	—	66	—	47	—	39	—	44	—	31	—	4,113
Heterosexual contact ^f	72	—	67	—	47	—	45	—	63	—	55	—	2,430
Other ^g	33	—	34	—	23	—	35	—	25	—	23	—	1,094
Subtotal	1,659	14.2	1,717	14.5	1,153	9.7	1,112	9.4	1,066	9.2	975	8.5	41,798
Females													
Injection drug use	21	—	18	—	26	—	22	—	14	—	20	—	3,481
Heterosexual contact ^f	219	—	239	—	154	—	155	—	162	—	143	—	10,543
Other ^g	33	—	49	—	41	—	37	—	44	—	35	—	524
Subtotal	272	2.4	306	2.7	221	2.0	214	1.9	220	2.0	198	1.8	14,549
Region of residence^h													
Northeast	329	8.4	300	7.6	206	5.2	181	4.7	188	4.9	141	3.7	11,646
Midwest	284	6.0	315	6.5	218	4.5	224	4.6	226	4.7	195	4.2	7,275
South	1,022	12.1	1,138	13.3	751	8.8	723	8.5	694	8.3	660	8.0	26,685
West	278	5.1	250	4.5	181	3.3	185	3.4	162	3.0	165	3.1	9,290
U.S. dependent areas	18	6.2	20	6.8	18	6.2	13	4.6	16	5.9	12	4.6	1,451
Subtotal, 20–24 years of age	1,931	8.4	2,023	8.8	1,374	5.9	1,326	5.8	1,286	5.7	1,173	5.2	56,347
Totalⁱ	2,319	4.4	2,456	4.6	1,581	3.0	1,524	2.9	1,516	2.9	1,389	2.7	67,613

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 2017.

^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, 2017—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	—	26	—	859	—	318	—	1	—	177	—	43	—	1,425	—
Injection drug use	0	—	0	—	4	—	4	—	0	—	3	—	0	—	11	—
Male-to-male sexual contact and injection drug use	0	—	0	—	11	—	8	—	0	—	12	—	0	—	31	—
Heterosexual contact ^d	0	—	0	—	26	—	8	—	0	—	2	—	1	—	36	—
Other ^e	0	—	0	—	5	—	0	—	0	—	2	—	0	—	8	—
Subtotal	2	1.6	26	3.5	905	43.7	337	9.6	1	3.4	196	2.4	44	8.4	1,511	10.1
Females																
Injection drug use	1	—	0	—	10	—	4	—	0	—	9	—	1	—	25	—
Heterosexual contact ^d	0	—	1	—	147	—	36	—	0	—	31	—	5	—	221	—
Other ^e	0	—	0	—	13	—	3	—	0	—	0	—	2	—	19	—
Subtotal	1	0.8	1	0.1	170	8.5	43	1.3	0	0.0	40	0.5	9	1.8	264	1.8
Region of residence^f																
Northeast	0	0.0	1	0.3	123	20.0	71	8.0	0	0.0	30	1.0	11	7.8	236	4.8
Midwest	0	0.0	7	3.3	223	30.1	28	4.0	0	0.0	41	0.9	9	4.1	308	4.9
South	0	0.0	6	1.6	674	28.0	170	6.7	0	0.0	101	1.8	25	7.3	976	8.7
West	3	2.7	13	2.2	55	17.2	111	4.0	1	2.3	64	2.3	8	2.4	255	3.7
Subtotal, 13–19 years of age	3	1.2	27	1.8	1,075	26.4	380	5.5	1	1.8	236	1.5	53	5.1	1,775	6.0

Table 3a. Diagnoses of HIV infection, by race/ethnicity, age group, and selected characteristics, 2017—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	17	—	159	—	2,570	—	1,333	—	8	—	959	—	154	—	5,201	—
Injection drug use	0	—	0	—	23	—	17	—	0	—	39	—	0	—	80	—
Male-to-male sexual contact and injection drug use	3	—	2	—	38	—	57	—	0	—	80	—	10	—	189	—
Heterosexual contact ^d	0	—	3	—	132	—	26	—	0	—	18	—	4	—	182	—
Other ^e	0	—	0	—	3	—	1	—	0	—	0	—	0	—	4	—
Subtotal	20	20.9	164	25.1	2,766	169.5	1,434	57.4	8	35.7	1,096	17.9	168	52.3	5,656	49.8
Females																
Injection drug use	1	—	0	—	27	—	15	—	0	—	47	—	4	—	93	—
Heterosexual contact ^d	2	—	7	—	420	—	115	—	0	—	107	—	22	—	672	—
Other ^e	0	—	0	—	11	—	0	—	0	—	1	—	1	—	12	—
Subtotal	3	3.3	7	1.1	458	29.0	130	5.6	0	0.0	154	2.7	26	8.3	778	7.2
Region of residence^f																
Northeast	1	10.4	37	13.1	383	76.3	282	42.3	0	0.0	155	6.9	35	40.1	893	23.5
Midwest	3	9.1	21	10.0	505	86.7	120	26.2	0	0.0	260	7.9	38	29.1	947	20.2
South	2	3.2	36	12.0	2,101	113.3	607	35.3	2	27.9	570	13.7	91	45.6	3,409	41.1
West	17	20.3	77	15.4	235	85.5	555	27.8	6	18.4	265	11.9	30	13.7	1,185	22.2
Subtotal, 20–24 years of age	23	12.2	171	13.2	3,224	100.3	1,564	32.3	8	18.2	1,250	10.5	194	30.5	6,434	29.1
Total	26	5.9	198	7.1	4,299	59.0	1,944	16.6	9	8.9	1,486	5.4	247	14.8	8,209	15.9

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, 2017—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	26	859	326	1	177	43	1,433
Injection drug use	0	0	4	4	0	3	0	11
Male-to-male sexual contact and injection drug use	0	0	11	8	0	12	0	31
Heterosexual contact ^c	0	0	26	9	0	2	1	37
Other ^d	0	0	5	0	0	2	0	8
Subtotal	2	26	905	346	1	196	44	1,520
Females								
Injection drug use	1	0	10	4	0	9	1	25
Heterosexual contact ^c	0	1	147	38	0	32	5	224
Other ^d	0	0	13	3	0	0	2	19
Subtotal	1	1	170	45	0	41	9	267
Region of residence^e								
Northeast	0	1	123	71	0	30	11	236
Midwest	0	7	223	28	0	41	9	308
South	0	6	674	170	0	101	25	976
West	3	13	55	111	1	64	8	255
U.S. dependent areas	0	0	0	11	0	1	0	12
Subtotal, 13–19 years of age	3	27	1,075	391	1	237	53	1,787

Table 3b. Diagnoses of HIV infection, by race/ethnicity, age group, and selected characteristics, 2017—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	17	159	2,570	1,381	8	959	154	5,249
Injection drug use	0	0	23	18	0	39	0	80
Male-to-male sexual contact and injection drug use	3	2	38	57	0	80	10	189
Heterosexual contact ^c	0	3	132	33	1	18	4	191
Other ^d	0	0	3	1	0	0	0	4
Subtotal	20	164	2,766	1,490	9	1,096	168	5,713
Females								
Injection drug use	1	0	27	15	0	47	4	93
Heterosexual contact ^c	2	7	420	119	0	107	22	676
Other ^d	0	0	11	0	0	1	1	12
Subtotal	3	7	458	134	0	154	26	782
Region of residence^e								
Northeast	1	37	383	282	0	155	35	893
Midwest	3	21	505	120	0	260	38	947
South	2	36	2,101	607	2	570	91	3,409
West	17	77	235	555	6	265	30	1,185
U.S. dependent areas	0	0	0	60	1	0	0	61
Subtotal, 20–24 years of age	23	171	3,224	1,624	9	1,250	194	6,495
Total	26	198	4,299	2,015	10	1,487	247	8,282

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, 2017—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	—	89	—	38	—	0	—	13	—	4	—	146	—
Injection drug use	0	—	0	—	1	—	1	—	0	—	0	—	0	—	2	—
Male-to-male sexual contact and injection drug use	0	—	0	—	1	—	2	—	0	—	0	—	0	—	2	—
Heterosexual contact ^e	0	—	0	—	2	—	2	—	0	—	0	—	0	—	4	—
Other ^f	0	—	0	—	6	—	3	—	0	—	1	—	1	—	11	—
Subtotal	0	0.0	2	0.3	99	4.8	46	1.3	0	0.0	14	0.2	5	1.0	166	1.1
Females																
Injection drug use	0	—	0	—	2	—	0	—	0	—	0	—	0	—	2	—
Heterosexual contact ^e	0	—	0	—	17	—	4	—	0	—	4	—	2	—	26	—
Other ^f	0	—	0	—	15	—	4	—	0	—	0	—	2	—	21	—
Subtotal	0	0.0	0	0.0	33	1.6	8	0.2	0	0.0	4	0.1	4	0.8	49	0.3
Region of residence^g																
Northeast	0	0.0	0	0.0	20	3.3	14	1.6	0	0.0	1	0.0	2	1.4	37	0.8
Midwest	0	0.0	0	0.0	25	3.4	3	0.4	0	0.0	4	0.1	2	0.9	34	0.5
South	0	0.0	0	0.0	84	3.5	19	0.7	0	0.0	9	0.2	5	1.5	117	1.0
West	0	0.0	2	0.3	3	0.9	18	0.6	0	0.0	4	0.1	0	0.0	27	0.4
Subtotal, 13–19 years of age	0	0.0	2	0.1	132	3.2	54	0.8	0	0.0	18	0.1	9	0.9	215	0.7

Table 4a. Stage 3 (AIDS), by race/ethnicity, age group, and selected characteristics, 2017—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	1	—	25	—	498	—	186	—	2	—	116	—	23	—	850	—
Injection drug use	0	—	0	—	6	—	3	—	0	—	5	—	2	—	15	—
Male-to-male sexual contact and injection drug use	2	—	0	—	12	—	9	—	0	—	6	—	1	—	31	—
Heterosexual contact ^e	0	—	0	—	37	—	8	—	0	—	4	—	1	—	50	—
Other ^f	0	—	0	—	14	—	1	—	0	—	4	—	4	—	23	—
Subtotal	3	3.1	25	3.8	567	34.7	206	8.2	2	8.9	135	2.2	31	9.6	969	8.5
Females																
Injection drug use	0	—	0	—	6	—	3	—	0	—	11	—	0	—	20	—
Heterosexual contact ^e	0	—	3	—	98	—	20	—	0	—	14	—	4	—	140	—
Other ^f	0	—	0	—	16	—	10	—	0	—	3	—	3	—	32	—
Subtotal	0	0.0	3	0.5	120	7.6	33	1.4	0	0.0	28	0.5	8	2.5	192	1.8
Region of residence^g																
Northeast	0	0.0	6	2.1	69	13.8	45	6.7	0	0.0	13	0.6	8	9.2	141	3.7
Midwest	0	0.0	3	1.4	132	22.7	15	3.3	0	0.0	38	1.2	7	5.4	195	4.2
South	2	3.2	8	2.7	449	24.2	98	5.7	2	27.9	82	2.0	19	9.5	660	8.0
West	1	1.2	11	2.2	37	13.5	81	4.1	0	0.0	30	1.3	5	2.3	165	3.1
Subtotal, 20–24 years of age	3	1.6	28	2.2	687	21.4	239	4.9	2	4.5	163	1.4	39	6.1	1,161	5.2
Total	3	0.7	30	1.1	819	11.2	293	2.5	2	2.0	181	0.7	48	2.9	1,376	2.7

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, 2017—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	89	38	0	13	4	146
Injection drug use	0	0	1	1	0	0	0	2
Male-to-male sexual contact and injection drug use	0	0	1	2	0	0	0	2
Heterosexual contact ^d	0	0	2	2	0	0	0	4
Other ^e	0	0	6	3	0	1	1	11
Subtotal	0	2	99	46	0	14	5	166
Females								
Injection drug use	0	0	2	0	0	0	0	2
Heterosexual contact ^d	0	0	17	5	0	4	2	27
Other ^e	0	0	15	4	0	0	2	21
Subtotal	0	0	33	9	0	4	4	50
Region of residence^f								
Northeast	0	0	20	14	0	1	2	37
Midwest	0	0	25	3	0	4	2	34
South	0	0	84	19	0	9	5	117
West	0	2	3	18	0	4	0	27
U.S. dependent areas	0	0	0	1	0	0	0	1
Subtotal, 13–19 years of age	0	2	132	55	0	18	9	216

Table 4b. Stage 3 (AIDS), by race/ethnicity, age group, and selected characteristics, 2017—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	1	25	498	187	2	116	23	851
Injection drug use	0	0	6	3	0	5	2	15
Male-to-male sexual contact and injection drug use	2	0	12	9	0	6	1	31
Heterosexual contact ^d	0	0	37	13	0	4	1	55
Other ^e	0	0	14	1	0	4	4	23
Subtotal	3	25	567	212	2	135	31	975
Females								
Injection drug use	0	0	6	3	0	11	0	20
Heterosexual contact ^d	0	3	98	23	0	14	4	143
Other ^e	0	0	16	13	0	3	3	35
Subtotal	0	3	120	39	0	28	8	198
Region of residence^f								
Northeast	0	6	69	45	0	13	8	141
Midwest	0	3	132	15	0	38	7	195
South	2	8	449	98	2	82	19	660
West	1	11	37	81	0	30	5	165
U.S. dependent areas	0	0	0	12	0	0	0	12
Subtotal, 20–24 years of age	3	28	687	251	2	163	39	1,173
Total	3	30	819	306	2	181	48	1,389

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, 2017—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	1	0.9	2	2.7	11	10.1	12	15.2	26	5.9
Asian	1	0.2	8	1.3	18	4.1	85	11.5	86	15.6	198	7.1
Black/African American	16	1.4	271	15.3	788	65.7	1,767	95.5	1,457	106.9	4,299	59.0
Hispanic/Latino ^b	8	0.4	86	2.9	286	14.8	832	28.9	732	37.4	1,944	16.6
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	1	6.1	3	11.8	5	27.1	9	8.9
White	2	0.0	47	0.7	187	4.1	622	8.9	628	12.8	1,486	5.4
Multiple races	2	0.6	12	2.7	39	14.0	101	25.8	93	38.0	247	14.8
Transmission category^c												
Males												
Male-to-male sexual contact	12	—	316	—	1,097	—	2,793	—	2,408	—	6,626	—
Injection drug use	0	—	1	—	9	—	40	—	40	—	91	—
Male-to-male sexual contact and injection drug use	1	—	4	—	26	—	88	—	102	—	221	—
Heterosexual contact ^d	0	—	9	—	27	—	81	—	102	—	219	—
Other ^e	1	—	5	—	1	—	1	—	3	—	11	—
Subtotal	14	0.3	336	5.2	1,161	26.7	3,002	45.0	2,654	56.7	7,167	27.2
Females												
Injection drug use	0	—	12	—	12	—	43	—	50	—	118	—
Heterosexual contact ^d	8	—	69	—	143	—	366	—	306	—	893	—
Other ^e	7	—	7	—	5	—	10	—	3	—	31	—
Subtotal	15	0.4	89	1.4	160	3.9	419	6.6	359	8.1	1,042	4.1
Total	29	0.4	425	3.4	1,321	15.5	3,421	26.3	3,013	33.1	8,209	15.9

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 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, 2017—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	1	2	11	12	26
Asian	1	8	18	85	86	198
Black/African American	16	271	788	1,767	1,457	4,299
Hispanic/Latino ^a	8	87	296	863	761	2,015
Native Hawaiian/Other Pacific Islander	0	0	1	3	6	10
White	2	47	188	622	628	1,487
Multiple races	2	12	39	101	93	247
Transmission category^b						
Males						
Male-to-male sexual contact	12	316	1,105	2,817	2,431	6,682
Injection drug use	0	1	9	40	40	91
Male-to-male sexual contact and injection drug use	1	4	26	88	102	221
Heterosexual contact ^c	0	9	28	84	107	228
Other ^d	1	5	1	1	3	11
Subtotal	14	336	1,170	3,030	2,683	7,233
Females						
Injection drug use	0	12	12	43	50	118
Heterosexual contact ^c	8	70	145	369	307	900
Other ^d	7	7	5	10	3	31
Subtotal	15	90	162	422	360	1,049
Total	29	426	1,332	3,452	3,043	8,282

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, 2017—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	1	0.9	2	2.5	3	0.7
Asian ^b	0	0.0	1	0.2	1	0.2	12	1.6	16	2.9	30	1.1
Black/African American	3	0.3	42	2.4	87	7.3	336	18.2	351	25.8	819	11.2
Hispanic/Latino ^c	4	0.2	10	0.3	40	2.1	101	3.5	138	7.1	293	2.5
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	0	0.0	1	3.9	1	5.4	2	2.0
White	0	0.0	3	0.0	15	0.3	63	0.9	100	2.0	181	0.7
Multiple races	0	0.0	1	0.2	8	2.9	19	4.9	20	8.2	48	2.9
Transmission category^d												
Males												
Male-to-male sexual contact	2	—	29	—	116	—	392	—	458	—	996	—
Injection drug use	0	—	0	—	2	—	4	—	11	—	18	—
Male-to-male sexual contact and injection drug use	0	—	0	—	2	—	13	—	18	—	33	—
Heterosexual contact ^e	0	—	2	—	2	—	19	—	31	—	54	—
Other ^f	1	—	5	—	5	—	13	—	10	—	34	—
Subtotal	3	0.1	36	0.6	127	2.9	441	6.6	528	11.3	1,135	4.3
Females												
Injection drug use	0	—	1	—	1	—	7	—	13	—	22	—
Heterosexual contact ^e	1	—	12	—	14	—	67	—	73	—	166	—
Other ^f	3	—	9	—	9	—	18	—	14	—	53	—
Subtotal	4	0.1	21	0.3	24	0.6	92	1.5	100	2.3	241	1.0
Total	7	0.1	57	0.5	151	1.8	533	4.1	628	6.9	1,376	2.7

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, 2017—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	0	1	2	3
Asian ^a	0	1	1	12	16	30
Black/African American	3	42	87	336	351	819
Hispanic/Latino ^b	4	10	41	108	143	306
Native Hawaiian/Other Pacific Islander	0	0	0	1	1	2
White	0	3	15	63	100	181
Multiple races	0	1	8	19	20	48
Transmission category^c						
Males						
Male-to-male sexual contact	2	29	116	392	459	997
Injection drug use	0	0	2	4	11	18
Male-to-male sexual contact and injection drug use	0	0	2	13	18	33
Heterosexual contact ^d	0	2	2	21	34	59
Other ^e	1	5	5	13	10	34
Subtotal	3	36	127	443	532	1,141
Females						
Injection drug use	0	1	1	7	13	22
Heterosexual contact ^d	1	12	15	70	73	170
Other ^e	3	9	9	20	15	56
Subtotal	4	21	25	97	101	248
Total	7	57	152	540	633	1,389

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, 2012–2017—United States

	2012 No.	2013 No.	2014 No.	2015 No.	2016 No.	2017 No.
13–19 years of age at diagnosis						
Metropolitan statistical areas (pop. ≥500,000)						
Race/ethnicity						
American Indian/Alaska Native	4	1	1	2	1	1
Asian	12	6	13	20	20	24
Black/African American	712	644	631	686	660	680
Hispanic/Latino ^a	266	240	255	266	269	268
Native Hawaiian/Other Pacific Islander	1	0	1	2	0	1
White	115	96	93	104	106	123
Multiple races	68	58	57	40	41	34
Subtotal	1,178	1,046	1,051	1,119	1,097	1,130
Metropolitan areas (pop. 50,000–499,999)						
Race/ethnicity						
American Indian/Alaska Native	0	0	2	0	0	1
Asian	0	0	1	2	0	2
Black/African American	117	95	118	123	96	117
Hispanic/Latino ^a	28	25	27	27	22	33
Native Hawaiian/Other Pacific Islander	0	0	0	0	1	0
White	23	31	36	29	33	38
Multiple races	10	8	8	8	5	4
Subtotal	177	158	191	188	156	195
Nonmetropolitan areas (pop. <50,000)						
Race/ethnicity						
American Indian/Alaska Native	0	0	1	3	1	0
Asian	1	0	1	1	0	0
Black/African American	43	58	49	56	55	47
Hispanic/Latino ^a	9	8	6	7	9	15
Native Hawaiian/Other Pacific Islander	0	1	0	0	0	0
White	11	8	14	19	22	15
Multiple races	2	7	5	4	2	4
Subtotal	66	82	76	90	89	81
Subtotal, 13–19 years of age^b	1,434	1,291	1,327	1,405	1,350	1,425
20–24 years of age at diagnosis						
Metropolitan statistical areas (pop. ≥500,000)						
Race/ethnicity						
American Indian/Alaska Native	13	12	18	14	12	9
Asian	69	85	123	106	100	141
Black/African American	2,412	2,416	2,459	2,404	2,284	2,005
Hispanic/Latino ^a	1,172	1,134	1,285	1,319	1,283	1,155
Native Hawaiian/Other Pacific Islander	7	0	3	7	1	8
White	728	736	709	701	659	678
Multiple races	264	253	207	199	159	119
Subtotal	4,664	4,636	4,803	4,750	4,498	4,114
Metropolitan areas (pop. 50,000–499,999)						
Race/ethnicity						
American Indian/Alaska Native	1	0	5	6	9	4
Asian	12	8	6	11	13	14
Black/African American	407	417	441	393	388	382
Hispanic/Latino ^a	110	106	115	128	131	136
Native Hawaiian/Other Pacific Islander	1	2	1	2	0	0
White	147	147	172	169	165	190
Multiple races	48	33	29	26	33	22
Subtotal	725	713	769	734	738	748
Nonmetropolitan areas (pop. <50,000)						
Race/ethnicity						
American Indian/Alaska Native	6	6	6	10	5	5
Asian	1	0	0	3	1	4
Black/African American	143	187	233	171	179	147
Hispanic/Latino ^a	34	28	37	39	34	39
Native Hawaiian/Other Pacific Islander	1	0	1	0	0	0
White	78	77	95	88	80	89
Multiple races	14	15	12	9	14	13
Subtotal	277	312	384	319	313	297
Subtotal, 20–24 years of age^b	5,712	5,695	5,991	5,865	5,600	5,201
Total^b	7,145	6,986	7,317	7,270	6,950	6,626

Abbreviation: pop, population.

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

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

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

^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, 2012–2016—United States

	2012		2013		2014		2015		2016	
	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	12	4.6	9	3.5	13	5.1	14	5.5	11	4.4
Asian ^b	58	4.4	59	4.4	62	4.5	73	5.1	84	5.7
Black/African American	4,456	103.3	4,022	94.7	3,773	90.2	3,565	86.2	3,320	80.9
Hispanic/Latino ^c	1,504	23.5	1,349	20.8	1,220	18.6	1,115	16.7	1,063	15.7
Native Hawaiian/Other Pacific Islander	3	5.4	2	3.6	2	3.6	4	7.2	1	1.8
White	702	4.3	634	3.9	604	3.8	588	3.7	567	3.6
Multiple races	409	45.4	373	40.2	337	35.3	309	31.6	249	24.9
Transmission category^d										
Males										
Male-to-male sexual contact	1,854	—	1,756	—	1,770	—	1,856	—	1,779	—
Injection drug use	20	—	20	—	19	—	16	—	14	—
Male-to-male sexual contact and injection drug use	71	—	60	—	61	—	51	—	58	—
Heterosexual contact ^e	78	—	77	—	67	—	65	—	63	—
Perinatal	1,892	—	1,648	—	1,447	—	1,282	—	1,152	—
Other ^f	160	—	155	—	155	—	175	—	187	—
Subtotal	4,074	26.8	3,715	24.6	3,519	23.4	3,445	23.0	3,252	21.7
Females										
Injection drug use	70	—	61	—	47	—	37	—	35	—
Heterosexual contact ^e	675	—	582	—	547	—	482	—	435	—
Perinatal	2,171	—	1,935	—	1,732	—	1,518	—	1,358	—
Other ^f	163	—	163	—	172	—	191	—	220	—
Subtotal	3,080	21.3	2,741	19.0	2,498	17.4	2,228	15.5	2,048	14.3
Region of residence^g										
Northeast	2,073	40.0	1,831	35.8	1,604	31.7	1,373	27.5	1,188	24.0
Midwest	918	14.2	887	13.9	856	13.5	785	12.5	812	12.9
South	3,407	31.0	3,039	27.6	2,870	25.9	2,821	25.4	2,616	23.4
West	756	10.7	699	10.0	687	9.8	694	10.0	684	9.8
Subtotal, 13–19 years of age	7,154	24.1	6,456	21.8	6,017	20.4	5,673	19.3	5,300	18.1
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	86	43.6	90	44.8	91	45.1	109	54.8	120	61.9
Asian ^b	274	22.9	307	25.2	349	28.2	385	30.8	409	32.3
Black/African American	18,742	563.4	18,810	550.6	18,468	536.4	17,799	524.4	17,032	515.9
Hispanic/Latino ^c	6,292	137.7	6,351	136.1	6,564	138.0	6,631	138.1	6,581	136.5
Native Hawaiian/Other Pacific Islander	24	49.5	26	53.9	25	52.7	27	58.6	23	51.5
White	4,553	35.7	4,546	35.7	4,477	35.5	4,299	34.7	4,179	34.4
Multiple races	1,830	355.5	1,816	333.4	1,698	296.0	1,548	258.8	1,424	230.2
Transmission category^d										
Males										
Male-to-male sexual contact	20,881	—	21,186	—	21,308	—	20,950	—	20,564	—
Injection drug use	266	—	278	—	265	—	275	—	257	—
Male-to-male sexual contact and injection drug use	996	—	980	—	881	—	835	—	786	—
Heterosexual contact ^e	835	—	793	—	781	—	751	—	737	—
Perinatal	1,692	—	1,795	—	1,855	—	1,780	—	1,652	—
Other ^f	180	—	172	—	165	—	152	—	136	—
Subtotal	24,850	215.2	25,203	215.7	25,255	215.3	24,743	212.5	24,132	209.9
Females										
Injection drug use	507	—	470	—	421	—	404	—	373	—
Heterosexual contact ^e	4,480	—	4,141	—	3,819	—	3,515	—	3,269	—
Perinatal	1,809	—	1,972	—	2,019	—	1,971	—	1,840	—
Other ^f	162	—	168	—	167	—	173	—	161	—
Subtotal	6,957	63.0	6,750	60.6	6,426	57.6	6,063	54.9	5,643	51.8
Region of residence^g										
Northeast	6,566	168.0	6,422	163.3	6,193	157.5	5,752	147.8	5,351	139.1
Midwest	4,778	100.2	4,914	101.6	4,849	99.8	4,629	95.8	4,433	93.0
South	16,368	193.8	16,465	192.9	16,346	190.9	16,013	188.4	15,485	184.8
West	4,095	74.8	4,152	75.3	4,293	77.7	4,412	80.7	4,506	83.6
Subtotal, 20–24 years of age	31,807	140.8	31,953	140.0	31,681	138.4	30,806	135.8	29,775	133.0
Total^h	38,961	74.6	38,409	73.3	37,698	72.0	36,479	70.1	35,075	67.8

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, 2012–2016—United States and 6 dependent areas

	2012		2013		2014		2015		2016	
	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	12	—	9	—	13	—	14	—	11	—
Asian ^b	58	—	59	—	62	—	73	—	84	—
Black/African American	4,459	—	4,025	—	3,775	—	3,567	—	3,320	—
Hispanic/Latino ^c	1,636	—	1,454	—	1,313	—	1,181	—	1,112	—
Native Hawaiian/Other Pacific Islander	3	—	2	—	2	—	4	—	1	—
White	702	—	634	—	604	—	588	—	567	—
Multiple races	412	—	374	—	339	—	310	—	249	—
Transmission category^d										
Males										
Male-to-male sexual contact	1,872	—	1,770	—	1,792	—	1,864	—	1,785	—
Injection drug use	20	—	20	—	19	—	17	—	14	—
Male-to-male sexual contact and injection drug use	71	—	60	—	61	—	51	—	58	—
Heterosexual contact ^e	81	—	79	—	69	—	65	—	63	—
Perinatal	1,944	—	1,689	—	1,477	—	1,306	—	1,170	—
Other ^f	168	—	160	—	158	—	178	—	190	—
Subtotal	4,156	27.0	3,778	24.6	3,576	23.4	3,481	22.9	3,279	21.6
Females										
Injection drug use	70	—	61	—	47	—	37	—	35	—
Heterosexual contact ^e	686	—	594	—	560	—	491	—	441	—
Perinatal	2,214	—	1,967	—	1,757	—	1,540	—	1,372	—
Other ^f	165	—	165	—	174	—	—	—	222	—
Subtotal	3,136	21.4	2,787	19.1	2,538	17.4	2,261	15.6	2,070	14.2
Region of residence^g										
Northeast	2,073	40.0	1,831	35.8	1,604	31.7	1,373	27.5	1,188	24.0
Midwest	918	14.2	887	13.9	856	13.5	785	12.5	812	12.9
South	3,407	31.0	3,039	27.6	2,870	25.9	2,821	25.4	2,616	23.4
West	756	10.7	699	10.0	687	9.8	694	10.0	684	9.8
U.S. dependent areas	138	33.1	109	26.8	97	24.6	69	18.2	49	13.5
Subtotal, 13–19 years of age	7,292	24.3	6,565	21.9	6,114	20.5	5,742	19.3	5,349	18.0
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	86	—	90	—	91	—	109	—	120	—
Asian ^b	274	—	307	—	349	—	385	—	409	—
Black/African American	18,746	—	18,816	—	18,470	—	17,802	—	17,034	—
Hispanic/Latino ^c	6,711	—	6,777	—	6,994	—	7,025	—	6,931	—
Native Hawaiian/Other Pacific Islander	25	—	27	—	27	—	28	—	25	—
White	4,553	—	4,546	—	4,477	—	4,299	—	4,180	—
Multiple races	1,830	—	1,817	—	1,699	—	1,551	—	1,427	—
Transmission category^d										
Males										
Male-to-male sexual contact	21,065	—	21,383	—	21,521	—	21,147	—	20,752	—
Injection drug use	286	—	290	—	277	—	286	—	267	—
Male-to-male sexual contact and injection drug use	1,007	—	990	—	891	—	846	—	792	—
Heterosexual contact ^e	856	—	813	—	802	—	771	—	752	—
Perinatal	1,743	—	1,851	—	1,910	—	1,832	—	1,695	—
Other ^f	188	—	185	—	176	—	161	—	146	—
Subtotal	25,144	215.0	25,512	215.6	25,577	215.4	25,043	212.5	24,404	209.8
Females										
Injection drug use	513	—	474	—	425	—	408	—	376	—
Heterosexual contact ^e	4,549	—	4,204	—	3,875	—	3,566	—	3,311	—
Perinatal	1,857	—	2,024	—	2,069	—	2,013	—	1,879	—
Other ^f	168	—	173	—	171	—	177	—	164	—
Subtotal	7,087	63.3	6,875	61.0	6,539	57.9	6,164	55.1	5,729	52.0
Region of residence^g										
Northeast	6,566	168.0	6,422	163.3	6,193	157.5	5,752	147.8	5,351	139.1
Midwest	4,778	100.2	4,914	101.6	4,849	99.8	4,629	95.8	4,433	93.0
South	16,368	193.8	16,465	192.9	16,346	190.9	16,013	188.4	15,485	184.8
West	4,095	74.8	4,152	75.3	4,293	77.7	4,412	80.7	4,506	83.6
U.S. dependent areas	424	145.0	434	148.5	435	151.0	401	143.3	358	132.3
Subtotal, 20–24 years of age	32,231	140.8	32,387	140.1	32,116	138.6	31,207	135.9	30,133	133.0
Total^h	39,523	74.6	38,952	73.4	38,230	72.1	36,949	70.1	35,482	67.7

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, 2012–2016—United States

	2012		2013		2014		2015		2016	
	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	5	1.9	3	1.2	3	1.2	5	2.0	4	1.6
Asian ^b	13	1.0	14	1.0	15	1.1	12	0.8	14	1.0
Black/African American	1,406	32.6	1,189	28.0	948	22.7	731	17.7	626	15.3
Hispanic/Latino ^c	452	7.1	385	5.9	277	4.2	204	3.1	175	2.6
Native Hawaiian/Other Pacific Islander	1	1.8	1	1.8	1	1.8	1	1.8	1	1.8
White	166	1.0	144	0.9	109	0.7	91	0.6	67	0.4
Multiple races	102	11.3	109	11.7	77	8.1	57	5.8	48	4.8
Transmission category^d										
Males										
Male-to-male sexual contact	311	—	306	—	211	—	170	—	159	—
Injection drug use	4	—	5	—	5	—	4	—	2	—
Male-to-male sexual contact and injection drug use	10	—	11	—	8	—	6	—	7	—
Heterosexual contact ^e	12	—	13	—	13	—	7	—	10	—
Perinatal	751	—	598	—	468	—	356	—	293	—
Other ^f	41	—	42	—	35	—	29	—	28	—
Subtotal	1,129	7.4	975	6.4	740	4.9	572	3.8	498	3.3
Females										
Injection drug use	11	—	8	—	5	—	4	—	2	—
Heterosexual contact ^e	102	—	92	—	70	—	50	—	48	—
Perinatal	871	—	743	—	589	—	451	—	361	—
Other ^f	33	—	28	—	26	—	24	—	26	—
Subtotal	1,017	7.0	871	6.0	690	4.8	529	3.7	437	3.0
Region of residence^g										
Northeast	632	12.2	513	10.0	387	7.6	272	5.4	206	4.2
Midwest	234	3.6	206	3.2	168	2.6	128	2.0	128	2.0
South	1,046	9.5	937	8.5	727	6.6	581	5.2	497	4.4
West	234	3.3	190	2.7	148	2.1	120	1.7	104	1.5
Subtotal, 13–19 years of age	2,146	7.2	1,846	6.2	1,430	4.9	1,101	3.8	935	3.2
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	19	9.6	19	9.5	15	7.4	21	10.6	22	11.4
Asian ^b	46	3.8	48	3.9	46	3.7	50	4.0	54	4.3
Black/African American	5,112	153.7	5,160	151.0	4,654	135.2	4,166	122.7	3,684	111.6
Hispanic/Latino ^c	1,726	37.8	1,667	35.7	1,548	32.5	1,407	29.3	1,254	26.0
Native Hawaiian/Other Pacific Islander	7	14.4	6	12.4	5	10.5	6	13.0	5	11.2
White	836	6.6	809	6.4	744	5.9	637	5.1	569	4.7
Multiple races	498	96.7	537	98.6	494	86.1	434	72.6	363	58.7
Transmission category^d										
Males										
Male-to-male sexual contact	4,366	—	4,409	—	3,887	—	3,410	—	3,006	—
Injection drug use	66	—	60	—	48	—	46	—	38	—
Male-to-male sexual contact and injection drug use	222	—	187	—	162	—	141	—	123	—
Heterosexual contact ^e	229	—	215	—	181	—	152	—	137	—
Perinatal	1,062	—	1,092	—	1,078	—	1,017	—	894	—
Other ^f	77	—	77	—	71	—	64	—	57	—
Subtotal	6,021	52.1	6,040	51.7	5,427	46.3	4,830	41.5	4,255	37.0
Females										
Injection drug use	94	—	82	—	77	—	72	—	63	—
Heterosexual contact ^e	931	—	875	—	757	—	630	—	569	—
Perinatal	1,137	—	1,189	—	1,185	—	1,129	—	1,013	—
Other ^f	60	—	60	—	60	—	62	—	51	—
Subtotal	2,223	20.1	2,206	19.8	2,080	18.7	1,892	17.1	1,697	15.6
Region of residence^g										
Northeast	2,089	53.4	1,985	50.5	1,746	44.4	1,519	39.0	1,297	33.7
Midwest	1,112	23.3	1,136	23.5	1,038	21.4	912	18.9	841	17.6
South	4,102	48.6	4,210	49.3	3,886	45.4	3,537	41.6	3,124	37.3
West	941	17.2	915	16.6	837	15.1	754	13.8	690	12.8
Subtotal, 20–24 years of age	8,244	36.5	8,246	36.1	7,507	32.8	6,722	29.6	5,952	26.6
Total^h	10,390	19.9	10,092	19.3	8,937	17.1	7,823	15.0	6,887	13.3

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, 2012–2016—United States and 6 dependent areas

	2012		2013		2014		2015		2016	
	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	5	—	3	—	3	—	5	—	4	—
Asian ^b	13	—	14	—	15	—	12	—	14	—
Black/African American	1,408	—	1,191	—	949	—	732	—	626	—
Hispanic/Latino ^c	497	—	423	—	306	—	222	—	191	—
Native Hawaiian/Other Pacific Islander	1	—	1	—	1	—	1	—	1	—
White	166	—	144	—	109	—	91	—	67	—
Multiple races	103	—	110	—	78	—	58	—	48	—
Transmission category^d										
Males										
Male-to-male sexual contact	313	—	309	—	214	—	171	—	162	—
Injection drug use	4	—	5	—	5	—	4	—	2	—
Male-to-male sexual contact and injection drug use	10	—	11	—	8	—	6	—	7	—
Heterosexual contact ^e	12	—	13	—	13	—	7	—	10	—
Perinatal	774	—	618	—	481	—	363	—	298	—
Other ^f	41	—	42	—	35	—	29	—	29	—
Subtotal	1,154	7.5	998	6.5	756	4.9	580	3.8	507	3.3
Females										
Injection drug use	11	—	8	—	5	—	4	—	2	—
Heterosexual contact ^e	104	—	96	—	75	—	52	—	49	—
Perinatal	892	—	757	—	599	—	461	—	367	—
Other ^f	33	—	28	—	26	—	24	—	26	—
Subtotal	1,040	7.1	889	6.1	705	4.8	541	3.7	444	3.1
Region of residence^g										
Northeast	632	12.2	513	10.0	387	7.6	272	5.4	206	4.2
Midwest	234	3.6	206	3.2	168	2.6	128	2.0	128	2.0
South	1,046	9.5	937	8.5	727	6.6	581	5.2	497	4.4
West	234	3.3	190	2.7	148	2.1	120	1.7	104	1.5
U.S. dependent areas	48	11.5	41	10.1	31	7.9	20	5.3	16	4.4
Subtotal, 13–19 years of age	2,194	7.3	1,887	6.3	1,461	4.9	1,121	3.8	951	3.2
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	19	—	19	—	15	—	21	—	22	—
Asian ^b	46	—	48	—	46	—	50	—	54	—
Black/African American	5,114	—	5,162	—	4,656	—	4,169	—	3,685	—
Hispanic/Latino ^c	1,832	—	1,770	—	1,642	—	1,493	—	1,329	—
Native Hawaiian/Other Pacific Islander	7	—	6	—	5	—	6	—	6	—
White	836	—	809	—	744	—	637	—	569	—
Multiple races	498	—	537	—	494	—	434	—	365	—
Transmission category^d										
Males										
Male-to-male sexual contact	4,394	—	4,435	—	3,915	—	3,436	—	3,031	—
Injection drug use	70	—	64	—	50	—	47	—	40	—
Male-to-male sexual contact and injection drug use	223	—	190	—	163	—	142	—	123	—
Heterosexual contact ^e	233	—	217	—	182	—	153	—	138	—
Perinatal	1,090	—	1,120	—	1,107	—	1,046	—	917	—
Other ^f	79	—	79	—	71	—	64	—	58	—
Subtotal	6,088	52.1	6,105	51.6	5,488	46.2	4,888	41.5	4,307	37.0
Females										
Injection drug use	94	—	82	—	77	—	72	—	63	—
Heterosexual contact ^e	944	—	884	—	764	—	640	—	578	—
Perinatal	1,165	—	1,220	—	1,213	—	1,150	—	1,031	—
Other ^f	60	—	60	—	60	—	62	—	51	—
Subtotal	2,264	20.2	2,246	19.9	2,115	18.7	1,923	17.2	1,724	15.6
Region of residence^g										
Northeast	2,089	53.4	1,985	50.5	1,746	44.4	1,519	39.0	1,297	33.7
Midwest	1,112	23.3	1,136	23.5	1,038	21.4	912	18.9	841	17.6
South	4,102	48.6	4,210	49.3	3,886	45.4	3,537	41.6	3,124	37.3
West	941	17.2	915	16.6	837	15.1	754	13.8	690	12.8
U.S. dependent areas	108	36.9	105	35.9	96	33.3	89	31.8	79	29.2
Subtotal, 20–24 years of age	8,352	36.5	8,351	36.1	7,603	32.8	6,811	29.7	6,031	26.6
Total^h	10,546	19.9	10,238	19.3	9,064	17.1	7,932	15.0	6,982	13.3

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 10a. Adolescents and young adults living with diagnosed HIV infection, by 2-year and 3-year age groups, and selected characteristics, year-end 2016—United States

	Aged 13–14 years at end of year		Aged 15–17 years at end of year		Aged 18–19 years at end of year		Aged 20–22 years at end of year		Aged 23–24 years at end of year		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	4	5.8	3	2.7	4	5.5	49	43.7	71	86.8	131	29.4
Asian ^b	24	5.9	30	4.9	30	6.9	169	23.3	240	44.1	493	18.1
Black/African American	432	38.6	1,012	56.6	1,876	156.4	7,535	394.7	9,497	681.9	20,352	274.8
Hispanic/Latino ^c	97	4.9	320	10.9	646	34.2	2,823	98.5	3,758	192.2	7,644	65.9
Native Hawaiian/Other Pacific Islander	1	6.3	0	0.0	0	0.0	12	46.2	11	58.9	24	23.8
White	85	2.0	164	2.4	318	6.9	1,654	23.2	2,525	50.5	4,746	17.0
Multiple races	34	11.4	70	16.2	145	53.8	602	157.7	822	347.1	1,673	103.3
Transmission category^d												
Males												
Male-to-male sexual contact	3	—	288	—	1,487	—	8,465	—	12,099	—	22,343	—
Injection drug use	0	—	2	—	12	—	84	—	173	—	271	—
Male-to-male sexual contact and injection drug use	0	—	8	—	50	—	304	—	482	—	843	—
Heterosexual contact ^e	1	—	15	—	47	—	321	—	416	—	800	—
Perinatal	235	—	462	—	455	—	886	—	766	—	2,804	—
Other ^f	69	—	62	—	56	—	72	—	64	—	323	—
Subtotal	308	7.4	837	12.9	2,107	48.6	10,132	150.0	14,000	295.1	27,384	103.4
Females												
Injection drug use	2	—	11	—	22	—	154	—	219	—	408	—
Heterosexual contact ^e	10	—	109	—	317	—	1,424	—	1,845	—	3,704	—
Perinatal	275	—	559	—	524	—	1,045	—	795	—	3,198	—
Other ^f	83	—	84	—	53	—	93	—	69	—	381	—
Subtotal	369	9.2	763	12.3	916	22.1	2,715	42.4	2,928	65.3	7,691	30.5
Total^g	677	8.2	1,600	12.6	3,023	35.7	12,847	97.7	16,928	183.4	35,075	67.8

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, and risk factor not reported or not identified.

^g Includes persons whose race/ethnicity is unknown.

Table 10b. Adolescents and young adults living with diagnosed HIV infection, by 2-year and 3-year age groups, and selected characteristics, year-end 2016—United States and 6 dependent areas

	Aged 13–14 years at end of year	Aged 15–17 years at end of year	Aged 18–19 years at end of year	Aged 20–22 years at end of year	Aged 23–24 years at end of year	Total
	No.	No.	No.	No.	No.	No.
Race/ethnicity						
American Indian/Alaska Native	4	3	4	49	71	131
Asian ^a	24	30	30	169	240	493
Black/African American	432	1,012	1,876	7,537	9,497	20,354
Hispanic/Latino ^b	100	341	671	2,980	3,951	8,043
Native Hawaiian/Other Pacific Islander	1	0	0	12	13	26
White	85	164	318	1,655	2,525	4,747
Multiple races	34	70	145	604	823	1,676
Transmission category^c						
Males						
Male-to-male sexual contact	3	289	1,492	8,543	12,209	22,537
Injection drug use	0	2	12	87	180	281
Male-to-male sexual contact and injection drug use	0	8	50	306	486	849
Heterosexual contact ^d	1	15	47	325	427	814
Perinatal	237	470	463	909	786	2,865
Other ^e	69	64	57	75	71	336
Subtotal	310	848	2,121	10,246	14,158	27,683
Females						
Injection drug use	2	11	22	155	221	411
Heterosexual contact ^d	10	111	321	1,449	1,861	3,752
Perinatal	276	567	529	1,066	813	3,251
Other ^e	83	84	55	93	71	385
Subtotal	370	773	927	2,763	2,966	7,799
Total^f	680	1,621	3,048	13,009	17,124	35,482

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, and risk factor not reported or not identified.

^f Includes persons whose race/ethnicity is unknown.

Table 11. Adolescents and young adults living with diagnosed HIV infection, by region of residence, age group, and selected characteristics, year-end 2016—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	3	6.7	3	3.6	5	4.5	0	—
Asian ^c	18	5.7	18	8.7	20	5.6	28	4.8	0	—
Black/African American	645	103.6	571	76.4	1,853	76.8	251	78.0	0	—
Hispanic/Latino ^d	368	42.3	73	10.6	369	15.0	253	9.2	49	—
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	0	0.0	1	2.4	0	—
White	89	3.0	108	2.5	255	4.6	115	4.1	0	—
Multiple races	64	46.5	39	18.3	115	35.1	31	9.6	0	—
Transmission category^e										
Males										
Male-to-male sexual contact	258	—	300	—	981	—	240	—	6	—
Injection drug use	5	—	2	—	5	—	2	—	0	—
Male-to-male sexual contact and injection drug use	5	—	13	—	25	—	15	—	0	—
Heterosexual contact ^f	16	—	6	—	38	—	2	—	0	—
Perinatal	359	—	156	—	482	—	155	—	18	—
Other ^g	36	—	24	—	105	—	22	—	3	—
Subtotal	679	26.9	501	15.6	1,636	28.7	436	12.3	27	14.5
Females										
Injection drug use	8	—	9	—	12	—	6	—	0	—
Heterosexual contact ^f	77	—	79	—	236	—	44	—	6	—
Perinatal	379	—	190	—	613	—	176	—	14	—
Other ^g	45	—	33	—	119	—	23	—	2	—
Subtotal	509	20.9	311	10.1	980	17.9	248	7.3	22	12.5
Subtotal, 13–19 years of age	1,188	24.0	812	12.9	2,616	23.4	684	9.8	49	13.5
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	5	50.9	14	41.2	26	41.1	75	86.6	0	—
Asian ^c	76	27.5	49	24.0	94	32.2	190	38.4	0	—
Black/African American	2,653	512.8	2,882	477.8	10,451	550.3	1,046	371.1	2	—
Hispanic/Latino ^d	1,672	249.8	451	100.0	2,459	144.7	1,999	99.8	350	—
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	5	70.1	18	53.9	2	—
White	628	27.5	818	24.4	1,790	42.3	943	41.5	1	—
Multiple races	312	368.2	219	173.9	659	342.2	234	108.7	3	—
Transmission category^e										
Males										
Male-to-male sexual contact	2,909	—	3,292	—	10,968	—	3,396	—	188	—
Injection drug use	53	—	39	—	96	—	68	—	11	—
Male-to-male sexual contact and injection drug use	124	—	117	—	339	—	206	—	6	—
Heterosexual contact ^f	132	—	99	—	455	—	51	—	15	—
Perinatal	689	—	135	—	678	—	150	—	43	—
Other ^g	40	—	15	—	68	—	15	—	10	—
Subtotal	3,947	202.6	3,696	151.5	12,604	292.5	3,885	138.7	272	198.7
Females										
Injection drug use	82	—	57	—	157	—	75	—	3	—
Heterosexual contact ^f	566	—	487	—	1,884	—	333	—	42	—
Perinatal	712	—	168	—	761	—	199	—	39	—
Other ^g	44	—	25	—	79	—	14	—	2	—
Subtotal	1,404	74.0	737	31.7	2,881	70.7	621	24.0	86	64.3
Subtotal, 20–24 years of age	5,351	139.1	4,433	93.0	15,485	184.8	4,506	83.6	358	132.3
Total^h	6,539	74.3	5,245	47.5	18,101	92.6	5,190	42.0	407	64.3

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 ever classified as stage 3 (AIDS), by region of residence, age group, and selected characteristics, year-end 2016—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	3	2.7	0	—
Asian ^c	4	1.3	0	0.0	3	0.8	7	1.2	0	—
Black/African American	120	19.3	87	11.6	386	16.0	33	10.2	0	—
Hispanic/Latino ^d	62	7.1	8	1.2	62	2.5	43	1.6	16	—
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	0	0.0	1	2.4	0	—
White	12	0.4	19	0.4	25	0.5	11	0.4	0	—
Multiple races	8	5.8	13	6.1	21	6.4	6	1.9	0	—
Transmission category^e										
Males										
Male-to-male sexual contact	16	—	31	—	95	—	17	—	3	—
Injection drug use	1	—	0	—	1	—	0	—	0	—
Male-to-male sexual contact and injection drug use	2	—	0	—	5	—	0	—	0	—
Heterosexual contact ^f	2	—	0	—	8	—	0	—	0	—
Perinatal	84	—	34	—	129	—	46	—	5	—
Other ^g	9	—	4	—	13	—	2	—	1	—
Subtotal	113	4.5	69	2.1	251	4.4	65	1.8	9	4.8
Females										
Injection drug use	0	—	1	—	1	—	0	—	0	—
Heterosexual contact ^f	10	—	10	—	24	—	4	—	1	—
Perinatal	75	—	46	—	207	—	33	—	6	—
Other ^g	8	—	2	—	15	—	2	—	0	—
Subtotal	93	3.8	59	1.9	246	4.5	39	1.1	7	4.0
Subtotal, 13–19 years of age	206	4.2	128	2.0	497	4.4	104	1.5	16	4.4
20–24 years of age at end of year										
Race/ethnicity										
American Indian/Alaska Native	0	0.0	3	8.8	4	6.3	15	17.3	0	—
Asian ^c	10	3.6	10	4.9	8	2.7	26	5.3	0	—
Black/African American	694	134.1	573	95.0	2,216	116.7	201	71.3	1	—
Hispanic/Latino ^d	412	61.6	90	20.0	451	26.5	301	15.0	75	—
Native Hawaiian/Other Pacific Islander	0	0.0	0	0.0	1	14.0	4	12.0	1	—
White	92	4.0	116	3.5	255	6.0	106	4.7	0	—
Multiple races	89	105.0	49	38.9	189	98.1	36	16.7	2	—
Transmission category^e										
Males										
Male-to-male sexual contact	389	—	539	—	1,697	—	381	—	25	—
Injection drug use	7	—	5	—	15	—	12	—	2	—
Male-to-male sexual contact and injection drug use	16	—	16	—	61	—	31	—	0	—
Heterosexual contact ^f	31	—	20	—	76	—	10	—	1	—
Perinatal	341	—	76	—	403	—	74	—	23	—
Other ^g	21	—	7	—	23	—	6	—	1	—
Subtotal	805	41.3	663	27.2	2,274	52.8	513	18.3	52	38.0
Females										
Injection drug use	15	—	9	—	30	—	9	—	0	—
Heterosexual contact ^f	92	—	75	—	346	—	57	—	9	—
Perinatal	373	—	89	—	446	—	105	—	18	—
Other ^g	12	—	6	—	29	—	6	—	0	—
Subtotal	492	25.9	178	7.6	850	20.9	177	6.8	27	20.2
Subtotal, 20–24 years of age	1,297	33.7	841	17.6	3,124	37.3	690	12.8	79	29.2
Total^h	1,503	17.1	969	8.8	3,621	18.5	794	6.4	95	15.0

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 13. Adolescents and young adults living with diagnosed HIV infection, by population of area of residence, age group, and selected characteristics, year-end 2016—United States

	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	2	2.3	4	7.8	4	3.6	11	4.4
Asian ^c	68	5.4	8	5.1	3	6.7	84	5.7
Black/African American	2,611	84.8	360	55.7	160	42.0	3,320	80.9
Hispanic/Latino ^d	897	16.9	91	9.2	36	7.3	1,063	15.7
Native Hawaiian/Other Pacific Islander	1	2.5	0	0.0	0	0.0	1	1.8
White	376	4.0	92	2.7	65	2.2	567	3.6
Multiple races	193	28.1	24	12.3	20	16.9	249	24.9
Transmission category^e								
Males								
Male-to-male sexual contact	1,418	—	192	—	95	—	1,779	—
Injection drug use	11	—	2	—	0	—	14	—
Male-to-male sexual contact and injection drug use	41	—	6	—	8	—	58	—
Heterosexual contact ^f	44	—	8	—	5	—	63	—
Perinatal	900	—	118	—	55	—	1,152	—
Other ^g	149	—	21	—	9	—	187	—
Subtotal	2,562	25.3	347	12.6	172	8.1	3,252	21.7
Females								
Injection drug use	26	—	6	—	2	—	35	—
Heterosexual contact ^f	337	—	59	—	19	—	435	—
Perinatal	1,064	—	142	—	79	—	1,358	—
Other ^g	164	—	25	—	16	—	220	—
Subtotal	1,591	16.4	232	8.8	116	5.8	2,048	14.3
Subtotal, 13–19 years of age	4,153	21.0	579	10.7	288	7.0	5,300	18.1
20–24 years of age at end of year								
Race/ethnicity								
American Indian/Alaska Native	59	81.1	27	63.6	29	37.7	120	61.9
Asian ^c	350	33.7	40	22.0	9	19.0	409	32.3
Black/African American	13,131	545.0	2,089	371.4	972	294.7	17,032	515.9
Hispanic/Latino ^d	5,698	151.2	532	73.7	186	56.0	6,581	136.5
Native Hawaiian/Other Pacific Islander	18	55.5	4	53.2	1	21.1	23	51.5
White	2,791	39.7	754	25.6	384	17.7	4,179	34.4
Multiple races	1,104	263.7	166	128.1	93	132.4	1,424	230.2
Transmission category^e								
Males								
Male-to-male sexual contact	16,095	—	2,493	—	1,095	—	20,564	—
Injection drug use	181	—	33	—	29	—	257	—
Male-to-male sexual contact and injection drug use	588	—	106	—	61	—	786	—
Heterosexual contact ^f	533	—	109	—	67	—	737	—
Perinatal	1,302	—	160	—	86	—	1,652	—
Other ^g	102	—	16	—	7	—	136	—
Subtotal	18,801	250.4	2,917	122.2	1,346	84.0	24,132	209.9
Females								
Injection drug use	281	—	52	—	22	—	373	—
Heterosexual contact ^f	2,456	—	474	—	203	—	3,269	—
Perinatal	1,497	—	151	—	97	—	1,840	—
Other ^g	120	—	21	—	7	—	161	—
Subtotal	4,354	60.0	697	31.6	329	23.1	5,643	51.8
Subtotal, 20–24 years of age	23,155	156.8	3,614	78.7	1,675	55.3	29,775	133.0
Total^h	27,308	79.0	4,193	41.9	1,963	27.4	35,075	67.8

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. 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 2016—United States

	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	0	0.0	2	3.9	2	1.8	4	1.6
Asian ^c	12	1.0	0	0.0	2	4.5	14	1.0
Black/African American	499	16.2	59	9.1	32	8.4	626	15.3
Hispanic/Latino ^d	143	2.7	10	1.0	10	2.0	175	2.6
Native Hawaiian/Other Pacific Islander	1	2.5	0	0.0	0	0.0	1	1.8
White	37	0.4	13	0.4	11	0.4	67	0.4
Multiple races	34	4.9	4	2.0	7	5.9	48	4.8
Transmission category^e								
Males								
Male-to-male sexual contact	123	—	11	—	14	—	159	—
Injection drug use	2	—	0	—	0	—	2	—
Male-to-male sexual contact and injection drug use	3	—	0	—	2	—	7	—
Heterosexual contact ^f	4	—	3	—	2	—	10	—
Perinatal	230	—	33	—	12	—	293	—
Other ^g	19	—	5	—	3	—	28	—
Subtotal	381	3.8	52	1.9	33	1.5	498	3.3
Females								
Injection drug use	2	—	0	—	0	—	2	—
Heterosexual contact ^f	35	—	5	—	2	—	48	—
Perinatal	287	—	30	—	27	—	361	—
Other ^g	21	—	1	—	2	—	26	—
Subtotal	345	3.6	36	1.4	31	1.5	437	3.0
Subtotal, 13–19 years of age	726	3.7	88	1.6	64	1.5	935	3.2
20–24 years of age at end of year								
Race/ethnicity								
American Indian/Alaska Native	7	9.6	8	18.9	6	7.8	22	11.4
Asian ^c	43	4.1	8	4.4	3	6.3	54	4.3
Black/African American	2,834	117.6	442	78.6	192	58.2	3,684	111.6
Hispanic/Latino ^d	1,060	28.1	106	14.7	42	12.7	1,254	26.0
Native Hawaiian/Other Pacific Islander	4	12.3	1	13.3	0	0.0	5	11.2
White	381	5.4	94	3.2	64	3.0	569	4.7
Multiple races	289	69.0	37	28.6	19	27.1	363	58.7
Transmission category^e								
Males								
Male-to-male sexual contact	2,331	—	381	—	155	—	3,006	—
Injection drug use	25	—	6	—	5	—	38	—
Male-to-male sexual contact and injection drug use	97	—	16	—	8	—	123	—
Heterosexual contact ^f	98	—	18	—	13	—	137	—
Perinatal	697	—	80	—	56	—	894	—
Other ^g	44	—	6	—	4	—	57	—
Subtotal	3,291	43.8	507	21.2	241	15.0	4,255	37.0
Females								
Injection drug use	45	—	10	—	4	—	63	—
Heterosexual contact ^f	415	—	90	—	34	—	570	—
Perinatal	831	—	81	—	43	—	1,013	—
Other ^g	36	—	9	—	3	—	51	—
Subtotal	1,327	18.3	190	8.6	85	6.0	1,697	15.6
Subtotal, 20–24 years of age	4,618	31.3	697	15.2	326	10.8	5,952	26.6
Total^h	5,344	15.5	785	7.9	390	5.4	6,887	13.3

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 15. Diagnoses of HIV infection, by age group and area of residence, 2016 and 2017—United States and 6 dependent areas

Area of residence	2016						2017					
	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	40	9.0	138	41.1	178	22.8	37	8.4	154	46.7	191	24.8
Alaska	0	0.0	4	7.0	4	3.2	2	3.0	6	11.0	8	6.6
Arizona	25	3.9	130	26.8	155	13.7	26	4.0	111	22.9	137	12.1
Arkansas	20	7.2	70	34.2	90	18.7	19	6.9	64	31.6	83	17.3
California	159	4.4	849	30.2	1,008	15.8	162	4.5	789	28.5	951	15.0
Colorado	11	2.2	72	19.0	83	9.5	16	3.2	68	18.0	84	9.6
Connecticut	7	2.1	41	16.5	48	8.2	13	3.9	38	15.3	51	8.7
Delaware	5	6.0	14	23.1	19	13.2	4	4.8	22	36.9	26	18.1
District of Columbia	8	17.1	51	93.8	59	58.4	14	29.6	48	89.6	62	61.5
Florida	171	10.3	667	52.0	838	28.5	191	11.4	628	49.5	819	27.9
Georgia	132	13.2	501	69.3	633	36.7	137	13.6	456	63.5	593	34.3
Hawaii	1	0.9	13	13.3	14	6.8	1	0.9	11	11.7	12	5.9
Idaho	0	0.0	9	8.0	9	3.2	0	0.0	8	7.1	8	2.8
Illinois	101	8.6	289	32.7	390	18.9	95	8.1	247	28.5	342	16.8
Indiana	23	3.6	96	19.9	119	10.7	29	4.6	94	19.8	123	11.1
Iowa	7	2.4	21	9.1	28	5.3	5	1.7	29	12.6	34	6.5
Kansas	5	1.8	22	10.1	27	5.4	6	2.1	36	16.7	42	8.5
Kentucky	13	3.3	48	15.7	61	8.6	13	3.2	57	18.8	70	9.9
Louisiana	57	13.5	226	68.7	283	37.7	51	12.1	197	61.6	248	33.5
Maine	0	0.0	5	6.4	5	2.7	2	1.8	2	2.6	4	2.2
Maryland	51	9.5	175	44.7	226	24.4	58	10.8	162	41.9	220	23.9
Massachusetts	17	2.8	74	15.0	91	8.2	18	2.9	77	15.6	95	8.6
Michigan	55	6.0	167	23.4	222	13.6	48	5.3	143	20.4	191	11.8
Minnesota	15	3.0	51	13.9	66	7.6	7	1.4	47	12.9	54	6.2
Mississippi	25	8.7	107	49.8	132	26.3	25	8.7	91	43.5	116	23.4
Missouri	42	7.6	106	25.1	148	15.2	29	5.3	97	23.4	126	13.1
Montana	0	0.0	1	1.4	1	0.6	1	1.1	3	4.1	4	2.5
Nebraska	2	1.1	10	7.2	12	3.7	5	2.7	15	10.9	20	6.2
Nevada	10	4.0	85	46.3	95	21.7	11	4.3	68	37.1	79	18.0
New Hampshire	0	0.0	5	5.5	5	2.4	0	0.0	7	7.7	7	3.4
New Jersey	39	4.9	169	29.4	208	15.1	38	4.8	159	27.9	197	14.4
New Mexico	2	1.0	27	18.3	29	8.5	10	5.1	25	17.4	35	10.4
New York	104	6.1	405	29.2	509	16.5	95	5.6	417	30.6	512	16.8
North Carolina	81	8.7	306	43.5	387	23.7	77	8.2	248	35.6	325	19.9
North Dakota	3	4.6	3	4.5	6	4.5	1	1.5	6	9.2	7	5.4
Ohio	55	5.2	203	26.1	258	14.0	64	6.0	179	23.4	243	13.3
Oklahoma	10	2.7	49	17.5	59	9.1	8	2.2	47	17.1	55	8.5
Oregon	10	2.9	23	8.7	33	5.4	8	2.3	25	9.4	33	5.4
Pennsylvania	51	4.5	207	24.4	258	13.1	64	5.7	184	22.1	248	12.7
Rhode Island	3	3.1	8	10.1	11	6.2	6	6.2	6	7.6	12	6.8
South Carolina	30	6.8	160	47.1	190	24.3	31	7.0	136	40.6	167	21.4
South Dakota	0	0.0	5	8.3	5	3.6	0	0.0	6	10.1	6	4.3
Tennessee	36	6.1	152	33.7	188	18.0	42	7.1	144	32.2	186	17.9
Texas	227	8.1	825	41.3	1,052	22.0	222	7.9	764	38.4	986	20.5
Utah	8	2.4	24	9.6	32	5.4	6	1.7	20	7.9	26	4.3
Vermont	0	0.0	0	0.0	0	0.0	0	0.0	3	6.5	3	2.9
Virginia	37	5.0	180	30.7	217	16.3	45	6.0	170	29.2	215	16.1
Washington	10	1.6	58	12.0	68	6.2	12	1.9	51	10.6	63	5.7
West Virginia	3	2.0	6	5.1	9	3.3	2	1.3	21	18.3	23	8.7
Wisconsin	15	2.8	56	13.8	71	7.6	19	3.6	48	11.9	67	7.2
Wyoming	0	0.0	2	5.0	2	2.2	0	0.0	0	0.0	0	0.0
Subtotal	1,726	5.9	6,915	30.9	8,641	16.7	1,775	6.0	6,434	29.1	8,209	15.9
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	0	0.0	0	0.0
Northern Mariana Islands	0	0.0	0	0.0	0	0.0	0	0.0	1	27.0	1	9.9
Puerto Rico	13	4.1	69	28.7	82	14.7	11	3.6	60	25.8	71	13.3
Republic of Palau	0	0.0	1	53.2	1	22.9	0	0.0	0	0.0	0	0.0
U.S. Virgin Islands	0	0.0	3	48.4	3	19.8	1	11.4	0	0.0	1	6.8
Subtotal	13	3.6	74	27.3	87	13.7	12	3.5	61	23.3	73	12.0
Total	1,739	5.9	6,989	30.9	8,728	16.7	1,787	6.0	6,495	29.0	8,282	15.9

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

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

^a Rates are per 100,000 population.

Table 16. Stage 3 (AIDS), by age group and area of residence, 2016, 2017, and cumulative—United States and 6 dependent areas

Area of residence	2016						2017						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	7	1.6	21	6.3	28	3.6	4	0.9	36	10.9	40	5.2	156	839	995
Alaska	0	0.0	2	3.5	2	1.6	0	0.0	0	0.0	0	0.0	7	40	47
Arizona	3	0.5	17	3.5	20	1.8	2	0.3	15	3.1	17	1.5	90	654	744
Arkansas	2	0.7	10	4.9	12	2.5	2	0.7	13	6.4	15	3.1	60	404	464
California	10	0.3	109	3.9	119	1.9	15	0.4	98	3.5	113	1.8	927	6,546	7,473
Colorado	1	0.2	8	2.1	9	1.0	3	0.6	5	1.3	8	0.9	54	389	443
Connecticut	5	1.5	5	2.0	10	1.7	2	0.6	6	2.4	8	1.4	108	486	594
Delaware	1	1.2	1	1.7	2	1.4	1	1.2	1	1.7	2	1.4	35	184	219
District of Columbia	2	4.3	8	14.7	10	9.9	2	4.2	6	11.2	8	7.9	182	886	1,068
Florida	24	1.4	138	10.8	162	5.5	31	1.9	123	9.7	154	5.2	1,293	5,910	7,203
Georgia	13	1.3	81	11.2	94	5.5	20	2.0	108	15.0	128	7.4	578	3,098	3,676
Hawaii	0	0.0	3	3.1	3	1.4	0	0.0	1	1.1	1	0.5	16	108	124
Idaho	0	0.0	0	0.0	0	0.0	0	0.0	3	2.7	3	1.1	8	37	45
Illinois	11	0.9	78	8.8	89	4.3	9	0.8	64	7.4	73	3.6	459	2,206	2,665
Indiana	3	0.5	16	3.3	19	1.7	3	0.5	22	4.6	25	2.3	102	625	727
Iowa	0	0.0	2	0.9	2	0.4	1	0.3	3	1.3	4	0.8	19	119	138
Kansas	0	0.0	4	1.8	4	0.8	0	0.0	4	1.9	4	0.8	39	199	238
Kentucky	2	0.5	12	3.9	14	2.0	2	0.5	14	4.6	16	2.3	60	413	473
Louisiana	7	1.7	49	14.9	56	7.5	4	1.0	47	14.7	51	6.9	368	1,711	2,079
Maine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	47	56
Maryland	7	1.3	37	9.5	44	4.7	9	1.7	35	9.1	44	4.8	408	1,775	2,183
Massachusetts	2	0.3	17	3.4	19	1.7	4	0.7	7	1.4	11	1.0	174	829	1,003
Michigan	10	1.1	41	5.7	51	3.1	8	0.9	23	3.3	31	1.9	264	1,092	1,356
Minnesota	3	0.6	6	1.6	9	1.0	2	0.4	12	3.3	14	1.6	46	343	389
Mississippi	7	2.4	36	16.8	43	8.6	3	1.0	19	9.1	22	4.4	174	783	957
Missouri	7	1.3	16	3.8	23	2.4	2	0.4	15	3.6	17	1.8	205	997	1,202
Montana	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4	1	0.6	5	26	31
Nebraska	1	0.6	4	2.9	5	1.6	0	0.0	1	0.7	1	0.3	15	120	135
Nevada	1	0.4	12	6.5	13	3.0	2	0.8	18	9.8	20	4.5	52	385	437
New Hampshire	0	0.0	0	0.0	0	0.0	0	0.0	1	1.1	1	0.5	10	61	71
New Jersey	5	0.6	34	5.9	39	2.8	7	0.9	20	3.5	27	2.0	424	1,851	2,275
New Mexico	1	0.5	1	0.7	2	0.6	2	1.0	6	4.2	8	2.4	18	134	152
New York	20	1.2	93	6.7	113	3.7	17	1.0	75	5.5	92	3.0	1,711	6,331	8,042
North Carolina	7	0.8	35	5.0	42	2.6	6	0.6	34	4.9	40	2.4	237	1,213	1,450
North Dakota	0	0.0	1	1.5	1	0.8	0	0.0	1	1.5	1	0.8	4	9	13
Ohio	8	0.8	49	6.3	57	3.1	7	0.7	42	5.5	49	2.7	229	1,218	1,447
Oklahoma	0	0.0	11	3.9	11	1.7	0	0.0	7	2.5	7	1.1	48	326	374

Table 16. Stage 3 (AIDS), by age group and area of residence, 2016, 2017, and cumulative—United States and 6 dependent areas (cont)

Area of residence	2016						2017						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	0	0.0	1	0.4	1	0.2	0	0.0	4	1.5	4	0.7	39	271	310
Pennsylvania	8	0.7	39	4.6	47	2.4	7	0.6	32	3.8	39	2.0	416	1,916	2,332
Rhode Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	21	109	130
South Carolina	7	1.6	27	7.9	34	4.3	5	1.1	33	9.9	38	4.9	253	1,199	1,452
South Dakota	0	0.0	1	1.7	1	0.7	0	0.0	2	3.4	2	1.4	4	25	29
Tennessee	3	0.5	28	6.2	31	3.0	2	0.3	17	3.8	19	1.8	204	1,121	1,325
Texas	28	1.0	172	8.6	200	4.2	19	0.7	133	6.7	152	3.2	1,007	5,642	6,649
Utah	0	0.0	5	2.0	5	0.8	1	0.3	1	0.4	2	0.3	27	149	176
Vermont	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	16	23
Virginia	6	0.8	27	4.6	33	2.5	5	0.7	29	5.0	34	2.6	204	1,071	1,275
Washington	2	0.3	4	0.8	6	0.5	2	0.3	13	2.7	15	1.4	78	540	618
West Virginia	0	0.0	1	0.8	1	0.4	2	1.3	5	4.3	7	2.6	25	110	135
Wisconsin	3	0.6	8	2.0	11	1.2	2	0.4	6	1.5	8	0.9	81	322	403
Wyoming	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	11	17
Subtotal	227	0.8	1,270	5.7	1,497	2.9	215	0.7	1,161	5.2	1,376	2.7	10,966	54,896	65,862
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	1	7.4	1	3.0	0	0.0	0	0.0	0	0.0	0	5	5
Northern Mariana Islands	0	0.0	1	27.3	1	10.1	0	0.0	0	0.0	0	0.0	0	2	2
Puerto Rico	3	0.9	14	5.8	17	3.0	1	0.3	12	5.2	13	2.4	295	1,419	1,714
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	24	29
Subtotal	3	0.8	16	5.9	19	3.0	1	0.3	12	4.6	13	2.1	300	1,451	1,751
Total	230	0.8	1,286	5.7	1,516	2.9	216	0.7	1,173	5.2	1,389	2.7	11,266	56,347	67,613

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

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

^a From the beginning of the epidemic through 2017.

^b Rates are per 100,000 population.

Table 17. Adolescents and young adults living with diagnosed HIV infection, by age group and area of residence, year—end 2016—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	74	16.7	585	174.2	659	84.5
Alaska	5	7.5	15	26.2	20	16.1
Arizona	87	13.5	493	101.5	580	51.3
Arkansas	29	10.5	247	120.7	276	57.3
California	399	11.1	2,912	103.5	3,311	51.8
Colorado	42	8.5	219	57.7	261	29.8
Connecticut	35	10.3	215	86.5	250	42.6
Delaware	17	20.4	68	112.2	85	59.1
District of Columbia	51	109.1	322	592.5	373	368.9
Florida	572	34.5	2,888	225.3	3,460	117.7
Georgia	327	32.7	2,070	286.4	2,397	139.0
Hawaii	6	5.5	38	39.0	44	21.2
Idaho	11	6.5	21	18.8	32	11.4
Illinois	216	18.3	1,352	153.1	1,568	76.1
Indiana	73	11.5	422	87.7	495	44.3
Iowa	20	6.8	79	34.1	99	18.8
Kansas	21	7.5	86	39.4	107	21.5
Kentucky	40	10.0	231	75.3	271	38.4
Louisiana	143	33.9	938	284.9	1,081	143.8
Maine	10	9.1	21	27.1	31	16.5
Maryland	212	39.6	882	225.4	1,094	118.1
Massachusetts	91	14.8	378	76.4	469	42.2
Michigan	128	13.9	698	97.7	826	50.5
Minnesota	75	15.0	202	55.1	277	32.0
Mississippi	61	21.2	478	222.5	539	107.3
Missouri	78	14.2	447	105.8	525	54.0
Montana	1	1.1	13	17.7	14	8.7
Nebraska	16	8.8	58	41.6	74	23.1
Nevada	21	8.3	294	160.0	315	72.1
New Hampshire	4	3.4	24	26.3	28	13.4
New Jersey	177	22.2	782	136.0	959	69.8
New Mexico	9	4.6	94	63.9	103	30.1
New York	602	35.5	2,881	207.9	3,483	113.0
North Carolina	183	19.7	1,149	163.4	1,332	81.5
North Dakota	4	6.1	12	17.9	16	12.1
Ohio	146	13.7	859	110.6	1,005	54.6
Oklahoma	35	9.5	197	70.4	232	35.8
Oregon	20	5.8	103	38.8	123	20.2
Pennsylvania	242	21.5	1,001	118.2	1,243	63.0
Rhode Island	22	22.6	38	47.7	60	33.9
South Carolina	89	20.1	639	187.9	728	93.1
South Dakota	3	3.8	13	21.5	16	11.5
Tennessee	101	17.1	616	136.5	717	68.8
Texas	558	20.0	3,449	172.5	4,007	83.7
Utah	21	6.2	59	23.5	80	13.6
Vermont	5	8.8	11	23.6	16	15.5
Virginia	114	15.3	689	117.4	803	60.2
Washington	58	9.4	236	48.9	294	26.7
West Virginia	10	6.6	37	31.3	47	17.4
Wisconsin	32	6.1	205	50.4	237	25.4
Wyoming	4	7.8	9	22.3	13	14.2
Subtotal	5,300	18.1	29,775	133.0	35,075	67.8
U.S. dependent areas						
American Samoa	0	0.0	0	0.0	0	0.0
Guam	0	0.0	3	22.2	3	8.9
Northern Mariana Islands	0	0.0	1	27.3	1	10.1
Puerto Rico	49	15.4	346	143.9	395	70.8
Republic of Palau	0	0.0	0	0.0	0	0.0
U.S. Virgin Islands	0	0.0	8	129.1	8	52.8
Subtotal	49	13.5	358	132.3	407	64.3
Total	5,349	18.0	30,133	133.0	35,482	67.7

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 ever classified as stage 3 (AIDS), by age group and area of residence, year-end 2016—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	102	30.4	119	15.3
Alaska	1	1.5	4	7.0	5	4.0
Arizona	10	1.5	65	13.4	75	6.6
Arkansas	3	1.1	40	19.5	43	8.9
California	65	1.8	461	16.4	526	8.2
Colorado	3	0.6	30	7.9	33	3.8
Connecticut	9	2.7	48	19.3	57	9.7
Delaware	5	6.0	26	42.9	31	21.6
District of Columbia	16	34.2	73	134.3	89	88.0
Florida	142	8.6	689	53.8	831	28.3
Georgia	56	5.6	432	59.8	488	28.3
Hawaii	2	1.8	10	10.3	12	5.8
Idaho	1	0.6	3	2.7	4	1.4
Illinois	27	2.3	284	32.2	311	15.1
Indiana	7	1.1	66	13.7	73	6.5
Iowa	3	1.0	12	5.2	15	2.8
Kansas	3	1.1	15	6.9	18	3.6
Kentucky	12	3.0	33	10.8	45	6.4
Louisiana	26	6.2	174	52.9	200	26.6
Maine	1	0.9	4	5.2	5	2.7
Maryland	45	8.4	213	54.4	258	27.8
Massachusetts	19	3.1	82	16.6	101	9.1
Michigan	23	2.5	135	18.9	158	9.7
Minnesota	13	2.6	40	10.9	53	6.1
Mississippi	15	5.2	115	53.5	130	25.9
Missouri	12	2.2	84	19.9	96	9.9
Montana	0	0.0	2	2.7	2	1.2
Nebraska	2	1.1	16	11.5	18	5.6
Nevada	4	1.6	44	23.9	48	11.0
New Hampshire	2	1.7	4	4.4	6	2.9
New Jersey	39	4.9	199	34.6	238	17.3
New Mexico	5	2.6	10	6.8	15	4.4
New York	80	4.7	715	51.6	795	25.8
North Carolina	15	1.6	155	22.0	170	10.4
North Dakota	1	1.5	2	3.0	3	2.3
Ohio	30	2.8	146	18.8	176	9.6
Oklahoma	6	1.6	35	12.5	41	6.3
Oregon	2	0.6	13	4.9	15	2.5
Pennsylvania	50	4.4	230	27.2	280	14.2
Rhode Island	5	5.1	11	13.8	16	9.1
South Carolina	30	6.8	130	38.2	160	20.5
South Dakota	1	1.3	2	3.3	3	2.2
Tennessee	22	3.7	156	34.6	178	17.1
Texas	57	2.0	629	31.5	686	14.3
Utah	0	0.0	12	4.8	12	2.0
Vermont	1	1.8	4	8.6	5	4.8
Virginia	28	3.8	111	18.9	139	10.4
Washington	9	1.5	33	6.8	42	3.8
West Virginia	2	1.3	11	9.3	13	4.8
Wisconsin	6	1.1	39	9.6	45	4.8
Wyoming	2	3.9	3	7.4	5	5.5
Subtotal	935	3.2	5,952	26.6	6,887	13.3
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	27.3	1	10.1
Puerto Rico	16	5.0	75	31.2	91	16.3
Republic of Palau	0	0.0	0	0.0	0	0.0
U.S. Virgin Islands	0	0.0	2	32.3	2	13.2
Subtotal	16	4.4	79	29.2	95	15.0
Total	951	3.2	6,031	26.6	6,982	13.3

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 19. Adolescents and young adults living with diagnosed HIV infection, by selected races/ethnicities and area of residence, year-end 2016—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	510	211.2	10	25.6	103	22.1
Alaska	5	96.9	3	26.9	4	6.2
Arizona	138	248.7	231	48.9	134	28.1
Arkansas	177	196.1	19	39.6	56	17.6
California	801	215.1	1,640	52.1	532	29.4
Colorado	64	162.6	91	36.9	86	16.5
Connecticut	121	178.2	89	76.3	34	9.5
Delaware	62	160.9	5	28.5	16	20.9
District of Columbia	316	625.7	29	263.6	14	43.4
Florida	2,184	364.4	786	91.8	386	29.4
Georgia	1,950	322.9	141	71.8	190	23.5
Hawaii	11	195.0	8	26.9	4	10.8
Idaho	14	479.5	5	10.6	11	5.1
Illinois	1,083	318.9	236	51.9	162	14.7
Indiana	292	242.3	39	39.4	128	15.5
Iowa	32	126.7	11	25.9	37	8.7
Kansas	41	123.3	17	22.0	35	10.2
Kentucky	159	221.9	11	34.4	87	15.3
Louisiana	911	319.5	37	91.7	108	27.6
Maine	12	262.2	5	106.8	13	7.7
Maryland	904	302.1	78	73.6	55	12.8
Massachusetts	185	203.6	170	100.7	88	12.0
Michigan	623	241.0	38	33.6	116	10.2
Minnesota	137	204.3	38	59.4	74	11.6
Mississippi	472	217.7	10	57.8	31	12.3
Missouri	380	281.4	29	53.1	95	13.1
Montana	1	73.8	2	23.5	7	5.3
Nebraska	29	159.5	14	30.9	25	10.6
Nevada	128	294.1	89	51.7	72	44.5
New Hampshire	6	161.9	9	86.0	10	5.5
New Jersey	549	270.0	270	83.6	93	13.4
New Mexico	10	146.6	70	35.5	12	13.3
New York	1,583	320.0	1,300	190.0	267	17.2
North Carolina	990	249.2	89	44.9	179	19.4
North Dakota	7	153.6	4	64.7	3	2.8
Ohio	672	249.6	62	68.8	212	15.5
Oklahoma	91	158.1	31	34.8	75	20.4
Oregon	17	120.1	29	24.7	58	14.4
Pennsylvania	810	311.1	184	94.8	188	13.6
Rhode Island	27	213.7	11	31.4	20	17.5
South Carolina	593	243.8	30	55.7	82	18.3
South Dakota	5	160.1	3	46.4	4	3.8
Tennessee	458	216.2	40	57.6	120	16.8
Texas	1,944	319.3	1,427	63.9	418	25.5
Utah	15	201.8	26	27.7	34	7.7
Vermont	5	230.6	2	67.7	4	4.3
Virginia	570	200.9	82	55.6	97	12.7
Washington	90	186.8	57	28.7	99	14.8
West Virginia	13	105.5	3	52.0	28	11.6
Wisconsin	152	199.7	33	38.3	35	5.0
Wyoming	3	220.8	1	8.5	5	6.9
Subtotal	20,352	274.8	7,644	65.9	4,746	17.0
U.S. dependent areas^c						
American Samoa	0	—	0	—	0	—
Guam	0	—	0	—	0	—
Northern Mariana Islands	0	—	0	—	0	—
Puerto Rico	0	—	395	—	0	—
Republic of Palau	0	—	0	—	0	—
U.S. Virgin Islands	2	—	4	—	1	—
Subtotal	2	—	399	—	1	—
Total	20,354	274.8	8,043	69.4	4,747	17.0

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 20. 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 2016—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	100	41.4	1	2.6	12	2.6
Alaska	0	0.0	0	0.0	1	1.6
Arizona	22	39.7	37	7.8	6	1.3
Arkansas	30	33.2	2	4.2	3	0.9
California	154	41.3	253	8.0	62	3.4
Colorado	11	27.9	11	4.5	8	1.5
Connecticut	30	44.2	19	16.3	6	1.7
Delaware	26	67.5	2	11.4	2	2.6
District of Columbia	81	160.4	5	45.5	1	3.1
Florida	607	101.3	136	15.9	64	4.9
Georgia	415	68.7	25	12.7	30	3.7
Hawaii	3	53.2	2	6.7	2	5.4
Idaho	3	102.7	1	2.1	0	0.0
Illinois	224	66.0	41	9.0	28	2.5
Indiana	43	35.7	7	7.1	14	1.7
Iowa	5	19.8	1	2.4	7	1.7
Kansas	7	21.1	4	5.2	5	1.5
Kentucky	27	37.7	1	3.1	14	2.5
Louisiana	175	61.4	8	19.8	13	3.3
Maine	2	43.7	1	21.4	1	0.6
Maryland	221	73.9	21	19.8	5	1.2
Massachusetts	49	53.9	33	19.5	12	1.6
Michigan	121	46.8	9	8.0	17	1.5
Minnesota	24	35.8	6	9.4	16	2.5
Mississippi	108	49.8	3	17.3	5	2.0
Missouri	81	60.0	4	7.3	6	0.8
Montana	0	0.0	1	11.7	1	0.8
Nebraska	8	44.0	5	11.0	3	1.3
Nevada	22	50.5	12	7.0	10	6.2
New Hampshire	3	80.9	3	28.7	0	0.0
New Jersey	154	75.7	57	17.6	15	2.2
New Mexico	4	58.7	6	3.0	3	3.3
New York	384	77.6	308	45.0	34	2.2
North Carolina	126	31.7	16	8.1	11	1.2
North Dakota	2	43.9	0	0.0	0	0.0
Ohio	118	43.8	9	10.0	33	2.4
Oklahoma	15	26.1	7	7.9	12	3.3
Oregon	2	14.1	3	2.6	8	2.0
Pennsylvania	184	70.7	50	25.8	30	2.2
Rhode Island	8	63.3	3	8.6	4	3.5
South Carolina	135	55.5	10	18.6	12	2.7
South Dakota	0	0.0	2	31.0	0	0.0
Tennessee	86	40.6	12	17.3	20	2.8
Texas	347	57.0	247	11.1	58	3.5
Utah	3	40.4	5	5.3	4	0.9
Vermont	0	0.0	0	0.0	2	2.2
Virginia	97	34.2	16	10.8	14	1.8
Washington	10	20.8	12	6.0	11	1.6
West Virginia	6	48.7	1	17.3	4	1.7
Wisconsin	27	35.5	10	11.6	6	0.9
Wyoming	0	0.0	1	8.5	1	1.4
Subtotal	4,310	58.2	1,429	12.3	636	2.3
U.S. dependent areas^c						
American Samoa	0	—	0	—	0	—
Guam	0	—	0	—	0	—
Northern Mariana Islands	0	—	0	—	0	—
Puerto Rico	0	—	91	—	0	—
Republic of Palau	0	—	0	—	0	—
U.S. Virgin Islands	1	—	0	—	0	—
Subtotal	1	—	91	—	0	—
Total	4,311	58.2	1,520	13.1	636	2.3

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.