



Vol. 1, No. 4

**Diagnoses of HIV Infection Among
Adolescents and Young Adults
United States and 6 Dependent Areas
2014–2018**



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

Data are presented for diagnoses of HIV infection reported to CDC through December 2019.

HIV Surveillance Data Tables is not copyrighted and may be used and copied without permission. Citation of the source is, however, appreciated.

Suggested citation

Centers for Disease Control and Prevention. Diagnoses of HIV infection among adolescents and young adults—United States and 6 dependent areas, 2014–2018. *HIV Surveillance Data Tables* 2020;1(No. 4). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published August 2020. Accessed [date].

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

Confidential information, referrals, and educational material on HIV infection

CDC-INFO

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

1-888-232-6348 (TTY)

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

Acknowledgments

Publication of *HIV Surveillance Data Tables* was made possible by the contributions of the state and territorial health departments and the HIV surveillance programs that provided surveillance data to CDC.

HIV Surveillance Data Tables was prepared by the following staff and contractors of the Division of HIV/AIDS Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, CDC: André Dailey, M. Cheryl Bañez Ocfemia, Xiaohong Hu, Daneisha Hawkins, Zhenyu Gan, Anna Satcher Johnson, Michael Friend, and the Prevention Communications Branch, Web & Consumer Services Team (desktop publishing).

Technical Notes	4
References	6
Tables	
1a Diagnoses of HIV infection, by year of diagnosis, age group, and selected characteristics, 2014–2018—United States	7
1b Diagnoses of HIV infection, by year of diagnosis, age group, and selected characteristics, 2014–2018—United States and 6 dependent areas	9
2a Diagnoses of HIV infection, by race/ethnicity, age group, sex at birth, and selected characteristics, 2018—United States	11
2b Diagnoses of HIV infection, by race/ethnicity, age group, sex at birth, and selected characteristics, 2018—United States and 6 dependent areas	13
3a Diagnoses of HIV infection among transgender adolescents and young adults, by race/ethnicity, age group, and region of residence, 2018—United States	15
3b Diagnoses of HIV infection among transgender adolescents and young adults, by race/ethnicity, age group, and region of residence, 2018—United States and 6 dependent areas	16
4a Diagnoses of HIV infection, by 2-year and 3-year age groups, and selected characteristics, 2018—United States	17
4b Diagnoses of HIV infection, by 2-year and 3-year age groups, and selected characteristics, 2018—United States and 6 dependent areas	18
5a Diagnoses of HIV infection attributed to male-to-male sexual contact, by age group, population of area of residence, and race/ethnicity, 2014–2018—United States	19
5b Diagnoses of HIV infection attributed to injection drug use, by age group, population of area of residence, and race/ethnicity, 2014–2018—United States	21
6a Adolescents and young adults living with diagnosed HIV infection, by year, age group, and selected characteristics, 2014–2018—United States	23
6b Adolescents and young adults living with diagnosed HIV infection, by year, age group, and selected characteristics, 2012–2016—United States and 6 dependent areas	25
7a Adolescents and young adults living with diagnosed HIV infection, by 2-year and 3-year age groups, and selected characteristics, year-end 2018—United States	27
7b Adolescents and young adults living with diagnosed HIV infection, by 2-year and 3-year age groups, and selected characteristics, year-end 2018—United States and 6 dependent areas	28
8 Adolescents and young adults living with diagnosed HIV infection, by region of residence, age group, and selected characteristics, year-end 2018—United States and 6 dependent areas	29
9 Adolescents and young adults living with diagnosed HIV infection, by population of area of residence, age group, and selected characteristics, year-end 2018—United States	31
10 Diagnoses of HIV infection, by age group and area of residence, 2017 and 2018—United States and 6 dependent areas	33
11 Adolescents and young adults living with diagnosed HIV infection, by age group and area of residence, year-end 2018—United States and 6 dependent areas	35
12 Adolescents and young adults living with diagnosed HIV infection, by selected races/ethnicities and area of residence, year-end 2018—United States and 6 dependent areas	37

SURVEILLANCE OF HIV INFECTION

In 2018, persons aged 13–24 years accounted for 21% of all HIV diagnoses, with those aged 20–24 years having the second highest rate of diagnoses (27.9 per 100,000 population) among all age groups [1]. As such, 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. Data presented for persons aged 13–24 years were reported (after the removal of personally identifiable information) to the Centers for Disease Control and Prevention (CDC) through December 2019. Please use caution when interpreting the following:

- Data on diagnoses of HIV infection. HIV surveillance reports 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.
- Deaths and prevalence-based data. Data for the year 2018 are considered preliminary and are based on deaths reported to CDC through December 2019.
- Numbers less than 12 and trends based on these numbers.

Data re-release agreements between CDC and state/local HIV surveillance programs require specific levels of cell suppression at the state and county level in order to ensure confidentiality of personally identifiable information.

TABULATION AND PRESENTATION OF DATA

The data are presented for adolescents and young adults aged 13–24 years with HIV infection diagnosed during 2014–2018. The tables also present data for persons living with diagnosed HIV infection (preva-

lence) as of December 31 of the specified year. Tables are presented in 2 formats. Tables in the first format—labeled “a”—exclude data from the dependent areas (American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the Republic of Palau, and the U.S. Virgin Islands). Tables in the second format—labeled “b”—include data from the dependent areas.

Diagnoses of HIV Infection

Diagnoses of HIV infection are the numbers of persons aged ≥ 13 years with HIV diagnosed during the specified years (Tables 1a/b–5a/b and 10). The term *diagnosis of HIV infection* is defined as a diagnosis of HIV infection regardless of the stage of disease (stage 0, 1, 2, 3 [AIDS], or unknown) and refers to all persons with a diagnosis of HIV infection. For tables presenting diagnosis data, region or area of residence reflects the address at the time of HIV diagnosis.

More information on counting diagnoses of HIV infection can be found in the Technical Notes of the 2018 *HIV Surveillance Report* at <https://www.cdc.gov/hiv/library/reports/hiv-surveillance/vol-31/index.html>.

Prevalence: Persons Living with Diagnosed HIV Infection

Prevalence trends and data reflect persons living with diagnosed HIV infection, regardless of the stage of disease, at the end of a given year during 2014–2018 (Tables 6a/b–9, 11, and 12). For tables presenting prevalence data, region or area of residence is based on most recent known address as of the end of the specified year. Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019. Trends through 2018 should be interpreted with caution. Due to incomplete reporting of deaths for the year 2018, prevalence data for Alabama, Oklahoma, South Carolina, and the U.S. Virgin Islands should be interpreted with caution.

Rates

Rates per 100,000 population were calculated for (1) the numbers of diagnoses of HIV infection and (2) the numbers of persons living with diagnosed HIV infection.

The population denominators used to compute the rates for the 50 states, the District of Columbia, and Puerto Rico were based on the Vintage 2018 postcen-

sal estimates file (for years 2014–2018) from the U.S. Census Bureau [2]. 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 [3]. 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 [2]. 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 [3].

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 gender and 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.

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 6a/b–9, 11, and 12), age-group assignment (i.e., 13–19 years or 20–24 years) and age designation (i.e., “adolescents” or “young adults”) are based on the person’s age as of December 31 of the specified year. For all other tables, the specific age-group assignment or age designation is based on the person’s age at the time of diagnosis.

Age-group designations for transmission categories in tables displaying data on prevalence are based on a person’s age at the end of 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.

Geographic Designations: U.S. Regions

Geographic regions reflect the area of residence at the time of diagnosis of HIV infection (Tables 1a/b–4a/b). Prevalence data reflect the area of residence based on the most recent known address as of the end of the specified year (Tables 6a/b–8).



The 4 regions of residence and 6 dependent areas 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, the Office of Management and Budget (OMB) published revised standards for defining MSAs in federal statistical activities [4]. These standards, which provided for the

identification of MSAs in the United States and Puerto Rico, replaced the 2000 standards. The adoption of the new standards was effective as of June 28, 2010. On February 28, 2013, OMB announced new MSA delineations based on the new standards and Census 2010 data [5]. The MSAs listed in these tables were defined according to OMB's most recent update (February 2013) of statistical areas. Tables 5a (Diagnoses of HIV infection attributed to male-to-male sexual contact, by age group, population of area of residence, and race/ethnicity, 2014–2018—United States) and Table 5b (Diagnoses of HIV infection attributed to injection drug use, by age group, population of area of residence, and race/ethnicity, 2014–2018—United States) present numbers of diagnoses by MSA. Table 9 (Adolescents and young adults living with diagnosed HIV infection, by population of area of residence, age group, and selected characteristics, year-end 2018—United States) presents numbers and rates of prevalence by MSA. The MSAs listed in these tables were defined according to OMB's most recent update (February 2013) of statistical areas [5].

REFERENCES

1. CDC. *HIV Surveillance Report 2018 (Updated)*; vol. 31. <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2020. June 15, 2020.
2. U.S. Census Bureau. Population and Housing Unit Estimates Datasets. <http://go.usa.gov/xn4cc>. Updated July 1, 2019. Accessed June 15, 2020.
3. U.S. Census Bureau. International Data Base. <http://www.census.gov/data-tools/demo/idb/informationGateway.php>. Updated December 2019. Accessed June 15, 2020.
4. Office of Management and Budget. 2010 Standards for delineating metropolitan and micropolitan statistical areas. *Federal Register* 2010;75(123):37246–39052. <https://go.usa.gov/xn43u>. Accessed June 15, 2020.
5. Office of Management and Budget. Revised delineations of metropolitan statistical areas, micropolitan statistical areas, and combined statistical areas, and guidance on uses of the delineations of these areas. OMB Bulletin 13-01. <https://go.usa.gov/xQWPh>. Published February 28, 2013. Accessed June 15, 2020.

Table 1a. Diagnoses of HIV infection, by year of diagnosis, age group, and selected characteristics, 2014–2018—United States

	2014		2015		2016		2017		2018	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
13–19 years of age at diagnosis										
Gender										
Male	1,384	—	1,459	—	1,418	—	1,482	—	1,439	—
Female	328	—	262	—	269	—	261	—	251	—
Transgender male-to-female ^b	61	—	61	—	52	—	47	—	30	—
Transgender female-to-male ^b	1	—	2	—	1	—	3	—	2	—
Additional gender identity ^c	1	—	0	—	1	—	1	—	2	—
Race/ethnicity										
American Indian/Alaska Native	7	2.7	7	2.8	2	0.8	2	0.8	10	4.0
Asian	19	1.4	27	1.9	24	1.6	27	1.8	24	1.6
Black/African American	1,074	25.7	1,095	26.5	1,056	25.8	1,070	26.3	1,031	25.5
Hispanic/Latino ^d	376	5.7	376	5.7	364	5.4	400	5.8	371	5.3
Native Hawaiian/other Pacific Islander	2	3.6	2	3.6	1	1.8	1	1.8	5	8.7
White	204	1.3	200	1.3	224	1.4	231	1.5	234	1.5
Multiple races	93	9.7	77	7.9	70	7.0	63	6.1	49	4.6
Transmission category^e										
Males										
Male-to-male sexual contact	1,336	—	1,414	—	1,357	—	1,439	—	1,368	—
Injection drug use	10	—	6	—	11	—	14	—	16	—
Male-to-male sexual contact and injection drug use	47	—	49	—	50	—	34	—	32	—
Heterosexual contact ^f	43	—	42	—	47	—	35	—	43	—
Perinatal ^g	9	—	8	—	6	—	8	—	12	—
Other ^h	1	—	0	—	0	—	0	—	0	—
Subtotal	1,446	9.6	1,520	10.1	1,471	9.8	1,530	10.2	1,471	9.8
Females										
Injection drug use	32	—	24	—	21	—	26	—	22	—
Heterosexual contact ^f	279	—	231	—	224	—	222	—	220	—
Perinatal ^g	19	—	9	—	25	—	16	—	12	—
Other ^h	0	—	0	—	0	—	1	—	0	—
Subtotal	329	2.3	264	1.8	270	1.9	264	1.8	253	1.8
Region of residenceⁱ										
Northeast	272	5.4	254	5.1	221	4.5	242	4.9	191	3.9
Midwest	304	4.8	278	4.4	322	5.1	314	5.0	270	4.3
South	954	8.6	1,009	9.1	955	8.5	978	8.7	1,017	9.0
West	245	3.5	243	3.5	243	3.5	260	3.7	246	3.5
Subtotal, 13–19 years of age	1,775	6.0	1,784	6.1	1,741	5.9	1,794	6.1	1,724	5.9

Table 1a. Diagnoses of HIV infection, by year of diagnosis, age group, and selected characteristics, 2014–2018—United States (cont)

	2014		2015		2016		2017		2018	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
20–24 years of age at diagnosis										
Gender										
Male	6,349	—	6,313	—	6,003	—	5,567	—	5,223	—
Female	844	—	823	—	732	—	768	—	708	—
Transgender male-to-female ^b	171	—	143	—	178	—	134	—	148	—
Transgender female-to-male ^b	6	—	4	—	4	—	8	—	10	—
Additional gender identity ^c	2	—	3	—	3	—	2	—	4	—
Race/ethnicity										
American Indian/Alaska Native	31	15.4	37	18.6	33	17.0	24	12.8	29	15.7
Asian	141	11.4	139	11.1	130	10.3	167	13.1	125	9.7
Black/African American	3,878	112.7	3,735	110.1	3,524	106.9	3,228	100.7	3,073	98.3
Hispanic/Latino ^d	1,722	36.3	1,801	37.6	1,737	36.1	1,593	33.1	1,577	32.6
Native Hawaiian/other Pacific Islander	6	12.6	11	23.8	2	4.5	9	20.4	9	20.5
White	1,239	9.8	1,242	10.0	1,201	9.9	1,240	10.4	1,101	9.4
Multiple races	355	61.8	321	53.6	293	47.3	218	34.2	179	27.3
Transmission category^e										
Males										
Male-to-male sexual contact	5,990	—	5,875	—	5,602	—	5,234	—	4,925	—
Injection drug use	76	—	93	—	74	—	78	—	88	—
Male-to-male sexual contact and injection drug use	225	—	257	—	253	—	201	—	190	—
Heterosexual contact ^f	224	—	228	—	253	—	186	—	171	—
Perinatal ^g	5	—	3	—	1	—	2	—	0	—
Other ^h	2	—	2	—	1	—	2	—	1	—
Subtotal	6,522	55.6	6,458	55.5	6,184	53.9	5,703	50.4	5,375	48.0
Females										
Injection drug use	97	—	104	—	84	—	103	—	98	—
Heterosexual contact ^f	751	—	717	—	645	—	661	—	612	—
Perinatal ^g	3	—	7	—	7	—	12	—	8	—
Other ^h	0	—	0	—	0	—	0	—	0	—
Subtotal	850	7.6	828	7.5	736	6.8	776	7.2	718	6.7
Region of residenceⁱ										
Northeast	1,069	27.3	970	25.1	904	23.8	907	24.2	807	21.9
Midwest	1,084	22.3	1,117	23.1	1,023	21.4	955	20.4	869	18.7
South	3,971	46.3	3,904	45.9	3,678	43.8	3,418	41.2	3,251	39.4
West	1,248	22.6	1,295	23.7	1,315	24.4	1,199	22.5	1,166	22.1
Subtotal, 20–24 years of age	7,372	32.2	7,286	32.1	6,920	31.0	6,479	29.4	6,093	27.9
Total	9,147	17.5	9,070	17.4	8,661	16.8	8,273	16.1	7,817	15.2

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 gender or transmission category because of the lack of denominator data.

^b “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

^c Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

^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 Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

ⁱ 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, 2014–2018—United States and 6 dependent areas

	2014		2015		2016		2017		2018	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
13–19 years of age at diagnosis										
Gender										
Male	1,398	—	1,463	—	1,427	—	1,491	—	1,452	—
Female	336	—	264	—	272	—	265	—	253	—
Transgender male-to-female ^b	63	—	62	—	52	—	47	—	30	—
Transgender female-to-male ^b	1	—	2	—	1	—	3	—	2	—
Additional gender identity ^c	1	—	0	—	1	—	1	—	2	—
Race/ethnicity										
American Indian/Alaska Native	7	—	7	—	2	—	2	—	10	—
Asian	19	—	27	—	24	—	27	—	24	—
Black/African American	1,074	—	1,095	—	1,056	—	1,070	—	1,031	—
Hispanic/Latino ^d	399	—	383	—	376	—	412	—	386	—
Native Hawaiian/other Pacific Islander	2	—	2	—	1	—	1	—	5	—
White	204	—	200	—	224	—	232	—	234	—
Multiple races	94	—	77	—	70	—	63	—	49	—
Transmission category^e										
Males										
Male-to-male sexual contact	1,352	—	1,418	—	1,365	—	1,447	—	1,381	—
Injection drug use	10	—	7	—	12	—	14	—	16	—
Male-to-male sexual contact and injection drug use	47	—	49	—	50	—	34	—	32	—
Heterosexual contact ^f	43	—	42	—	47	—	36	—	43	—
Perinatal ^g	9	—	8	—	6	—	8	—	12	—
Other ^h	1	—	0	—	0	—	0	—	0	—
Subtotal	1,462	9.6	1,525	10.0	1,480	9.8	1,539	10.1	1,484	9.8
Females										
Injection drug use	32	—	24	—	21	—	26	—	22	—
Heterosexual contact ^f	286	—	233	—	227	—	225	—	222	—
Perinatal ^g	19	—	9	—	25	—	16	—	12	—
Other ^h	0	—	0	—	0	—	1	—	0	—
Subtotal	337	2.3	266	1.8	273	1.9	268	1.8	255	1.8
Region of residenceⁱ										
Northeast	272	5.4	254	5.1	221	4.5	242	4.9	191	3.9
Midwest	304	4.8	278	4.4	322	5.1	314	5.0	270	4.3
South	954	8.6	1,009	9.1	955	8.5	978	8.7	1,017	9.0
West	245	3.5	243	3.5	243	3.5	260	3.7	246	3.5
U.S. dependent areas	24	6.1	7	1.8	12	3.3	13	3.8	15	4.6
Subtotal, 13–19 years of age	1,799	6.0	1,791	6.0	1,753	5.9	1,807	6.1	1,739	5.8

Table 1b. Diagnoses of HIV infection, by year of diagnosis, age group, and selected characteristics, 2014–2018—United States and 6 dependent areas (cont)

	2014		2015		2016		2017		2018	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
20–24 years of age at diagnosis										
Gender										
Male	6,453	—	6,384	—	6,070	—	5,625	—	5,274	—
Female	856	—	833	—	738	—	773	—	716	—
Transgender male-to-female ^b	171	—	143	—	179	—	135	—	148	—
Transgender female-to-male ^b	6	—	4	—	4	—	8	—	10	—
Additional gender identity ^c	2	—	3	—	3	—	2	—	4	—
Race/ethnicity										
American Indian/Alaska Native	31	—	37	—	33	—	24	—	29	—
Asian	141	—	139	—	130	—	167	—	125	—
Black/African American	3,878	—	3,736	—	3,525	—	3,228	—	3,073	—
Hispanic/Latino ^d	1,837	—	1,879	—	1,807	—	1,656	—	1,636	—
Native Hawaiian/other Pacific Islander	7	—	12	—	4	—	10	—	9	—
White	1,239	—	1,242	—	1,202	—	1,240	—	1,101	—
Multiple races	355	—	322	—	293	—	218	—	179	—
Transmission category^e										
Males										
Male-to-male sexual contact	6,082	—	5,934	—	5,667	—	5,283	—	4,972	—
Injection drug use	79	—	94	—	76	—	78	—	88	—
Male-to-male sexual contact and injection drug use	228	—	261	—	253	—	202	—	191	—
Heterosexual contact ^f	229	—	235	—	254	—	195	—	174	—
Perinatal ^g	5	—	3	—	1	—	2	—	0	—
Other ^h	2	—	2	—	1	—	2	—	1	—
Subtotal	6,626	55.8	6,529	55.4	6,252	53.8	5,762	50.3	5,426	47.9
Females										
Injection drug use	98	—	105	—	85	—	103	—	98	—
Heterosexual contact ^f	762	—	726	—	650	—	666	—	620	—
Perinatal ^g	3	—	7	—	7	—	12	—	8	—
Other ^h	0	—	0	—	0	—	0	—	0	—
Subtotal	862	7.6	838	7.5	742	6.7	781	7.2	726	6.7
Region of residenceⁱ										
Northeast	1,069	27.3	970	25.1	904	23.8	907	24.2	807	21.9
Midwest	1,084	22.3	1,117	23.1	1,023	21.4	955	20.4	869	18.7
South	3,971	46.3	3,904	45.9	3,678	43.8	3,418	41.2	3,251	39.4
West	1,248	22.6	1,295	23.7	1,315	24.4	1,199	22.5	1,166	22.1
U.S. dependent areas	116	40.2	81	28.9	74	27.2	64	24.4	59	23.9
Subtotal, 20–24 years of age	7,488	32.3	7,367	32.1	6,994	30.9	6,543	29.3	6,152	27.8
Total	9,287	17.5	9,158	17.4	8,747	16.7	8,350	16.0	7,891	15.2

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 gender or transmission category because of the lack of denominator data.

^b “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

^c Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

^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 Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

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

Table 2a. Diagnoses of HIV infection, by race/ethnicity, age group, sex at birth, and selected characteristics, 2018—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	8	—	23	—	821	—	307	—	4	—	175	—	31	—	1,368	—
Injection drug use	1	—	0	—	6	—	3	—	0	—	4	—	1	—	16	—
Male-to-male sexual contact and injection drug use	0	—	0	—	9	—	11	—	0	—	11	—	2	—	32	—
Heterosexual contact ^d	0	—	0	—	33	—	7	—	0	—	2	—	0	—	43	—
Perinatal ^e	0	—	1	—	7	—	4	—	0	—	0	—	0	—	12	—
Other ^f	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
Subtotal	9	7.1	24	3.1	877	42.8	331	9.2	4	13.6	192	2.4	34	6.3	1,471	9.8
Females																
Injection drug use	0	—	0	—	8	—	3	—	0	—	8	—	3	—	22	—
Heterosexual contact ^d	1	—	0	—	138	—	35	—	1	—	33	—	11	—	220	—
Perinatal ^e	0	—	0	—	8	—	2	—	0	—	1	—	1	—	12	—
Other ^f	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
Subtotal	1	0.8	—	—	154	7.7	40	1.2	1	3.5	42	0.6	15	2.9	253	1.8
Region of residence^g																
Northeast	0	0.0	4	1.3	107	17.9	56	6.3	0	0.0	20	0.7	4	2.8	191	3.9
Midwest	1	2.2	4	1.8	191	26.1	26	3.6	0	0.0	38	0.9	10	4.4	270	4.3
South	4	4.9	3	0.8	675	28.1	178	6.8	1	10.7	132	2.4	24	6.8	1,017	9.0
West	5	4.5	13	2.2	58	18.3	111	4.0	4	9.3	44	1.6	11	3.3	246	3.5
Subtotal, 13–19 years of age	10	4.0	24	1.6	1,031	25.5	371	5.3	5	8.7	234	1.5	49	4.6	1,724	5.9

Table 2a. Diagnoses of HIV infection, by race/ethnicity, age group, sex at birth, and selected characteristics, 2018—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	25	—	110	—	2,461	—	1,344	—	7	—	832	—	146	—	4,925	—
Injection drug use	0	—	1	—	23	—	23	—	0	—	37	—	4	—	88	—
Male-to-male sexual contact and injection drug use	2	—	1	—	44	—	65	—	2	—	69	—	6	—	190	—
Heterosexual contact ^d	1	—	5	—	111	—	29	—	0	—	20	—	3	—	171	—
Perinatal ^e	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
Other ^f	0	—	0	—	1	—	0	—	0	—	0	—	0	—	1	—
Subtotal	28	29.9	118	18.1	2,640	166.5	1,462	58.7	9	40.0	959	15.9	159	47.9	5,375	48.0
Females																
Injection drug use	0	—	0	—	22	—	20	—	0	—	49	—	7	—	98	—
Heterosexual contact ^d	1	—	7	—	406	—	94	—	0	—	92	—	13	—	612	—
Perinatal ^e	0	—	0	—	5	—	1	—	0	—	1	—	0	—	8	—
Other ^f	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
Subtotal	1	1.1	7	1.1	433	28.1	115	4.9	—	—	142	2.5	20	6.2	718	6.7
Region of residence^g																
Northeast	0	0.0	26	9.6	377	78.4	253	39.1	0	0.0	121	5.5	30	33.5	807	21.9
Midwest	4	12.4	12	5.6	513	91.2	109	23.5	1	36.7	197	6.1	33	24.4	869	18.7
South	6	9.8	41	13.5	1,942	106.9	659	37.7	0	0.0	516	12.5	87	41.7	3,251	39.4
West	19	23.3	46	9.2	241	89.8	556	28.0	8	25.0	267	12.2	29	13.0	1,166	22.1
Subtotal, 20–24 years of age	29	15.7	125	9.7	3,073	98.3	1,577	32.6	9	20.5	1,101	9.4	179	27.3	6,093	27.9
Total	39	9.0	149	5.3	4,104	57.2	1,948	16.4	14	13.8	1,335	4.9	228	13.3	7,817	15.2

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 Individuals were ≥13 years of age at time of diagnosis of HIV infection.

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

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

Table 2b. Diagnoses of HIV infection, by race/ethnicity, age group, sex at birth, and selected characteristics, 2018—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	8	23	821	320	4	175	31	1,381
Injection drug use	1	0	6	3	0	4	1	16
Male-to-male sexual contact and injection drug use	0	0	9	11	0	11	2	32
Heterosexual contact ^c	0	0	33	7	0	2	0	43
Perinatal ^d	0	1	7	4	0	0	0	12
Other ^e	0	0	0	0	0	0	0	0
Subtotal	9	24	877	344	4	192	34	1,484
Females								
Injection drug use	0	0	8	3	0	8	3	22
Heterosexual contact ^c	1	0	138	37	1	33	11	222
Perinatal ^d	0	0	8	2	0	1	1	12
Other ^e	0	0	0	0	0	0	0	0
Subtotal	1	0	154	42	1	42	15	255
Region of residence^f								
Northeast	0	4	107	56	0	20	4	191
Midwest	1	4	191	26	0	38	10	270
South	4	3	675	178	1	132	24	1,017
West	5	13	58	111	4	44	11	246
U.S. dependent areas	0	0	0	15	0	0	0	15
Subtotal, 13–19 years of age	10	24	1,031	386	5	234	49	1,739

Table 2b. Diagnoses of HIV infection, by race/ethnicity, age group, sex at birth, and selected characteristics, 2018—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	25	110	2,461	1,391	7	832	146	4,972
Injection drug use	0	1	23	23	0	37	4	88
Male-to-male sexual contact and injection drug use	2	1	44	66	2	69	6	191
Heterosexual contact ^c	1	5	111	32	0	20	3	174
Perinatal ^d	0	0	0	0	0	0	0	0
Other ^e	0	0	1	0	0	0	0	1
Subtotal	28	118	2,640	1,513	9	959	159	5,426
Females								
Injection drug use	0	0	22	20	0	49	7	98
Heterosexual contact ^c	1	7	406	102	0	92	13	620
Perinatal ^d	0	0	5	1	0	1	0	8
Other ^e	0	0	0	0	0	0	0	0
Subtotal	1	7	433	123	0	142	20	726
Region of residence^f								
Northeast	0	26	377	253	0	121	30	807
Midwest	4	12	513	109	1	197	33	869
South	6	41	1,942	659	0	516	87	3,251
West	19	46	241	556	8	267	29	1,166
U.S. dependent areas	0	0	0	59	0	0	0	59
Subtotal, 20–24 years of age	29	125	3,073	1,636	9	1,101	179	6,152
Total	39	149	4,104	2,022	14	1,335	228	7,891

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 Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

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

Table 3a. Diagnoses of HIV infection among transgender adolescents and young adults, by race/ethnicity, age group, and region of residence, 2018—United States

	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								
Transgender male-to-female adolescents^b								
Region of residence^c								
Northeast	0	0	5	1	0	0	0	6
Midwest	0	0	6	0	0	0	0	6
South	0	0	10	2	0	2	0	14
West	1	0	1	1	1	0	0	4
Subtotal	1	0	22	4	1	2	0	30
Transgender female-to-male adolescents^b								
Region of residence^c								
Northeast	0	0	0	0	0	0	0	0
Midwest	0	0	0	0	0	0	0	0
South	0	0	0	1	0	0	0	1
West	0	0	0	1	0	0	0	1
Subtotal	0	0	0	2	0	0	0	2
Subtotal, 13–19 years of age	1	0	22	6	1	2	0	32
20–24 years of age at diagnosis								
Transgender male-to-female young adults^b								
Region of residence^c								
Northeast	0	0	21	14	0	0	2	37
Midwest	0	0	18	6	0	5	1	30
South	0	0	39	8	0	4	5	56
West	1	0	7	12	1	1	3	25
Subtotal	1	0	85	40	1	10	11	148
Transgender female-to-male young adults^b								
Region of residence^c								
Northeast	0	0	2	1	0	0	0	3
Midwest	0	0	0	1	0	1	0	2
South	0	0	1	0	0	0	0	1
West	0	0	1	0	0	2	1	4
Subtotal	0	0	4	2	0	3	1	10
Subtotal, 20–24 years of age	1	0	89	42	1	13	12	158
Total	2	0	111	48	2	15	12	190

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

^a Hispanics/Latinos can be of any race.

^b “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

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

Table 3b. Diagnoses of HIV infection among transgender adolescents and young adults, by race/ethnicity, age group, and region of residence, 2018—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								
Transgender male-to-female adolescents^b								
Region of residence^c								
Northeast	0	0	5	1	0	0	0	6
Midwest	0	0	6	0	0	0	0	6
South	0	0	10	2	0	2	0	14
West	1	0	1	1	1	0	0	4
U.S. dependent areas	0	0	0	0	0	0	0	0
Subtotal	1	0	22	4	1	2	0	30
Transgender female-to-male adolescents^b								
Region of residence^c								
Northeast	0	0	0	0	0	0	0	0
Midwest	0	0	0	0	0	0	0	0
South	0	0	0	1	0	0	0	1
West	0	0	0	1	0	0	0	1
U.S. dependent areas	0	0	0	0	0	0	0	0
Subtotal	0	0	0	2	0	0	0	2
Subtotal, 13–19 years of age	1	0	22	6	1	2	0	32
20–24 years of age at diagnosis								
Transgender male-to-female young adults^b								
Region of residence^c								
Northeast	0	0	21	14	0	0	2	37
Midwest	0	0	18	6	0	5	1	30
South	0	0	39	8	0	4	5	56
West	1	0	7	12	1	1	3	25
U.S. dependent areas	0	0	0	0	0	0	0	0
Subtotal	1	0	85	40	1	10	11	148
Transgender female-to-male young adults^b								
Region of residence^c								
Northeast	0	0	2	1	0	0	0	3
Midwest	0	0	0	1	0	1	0	2
South	0	0	1	0	0	0	0	1
West	0	0	1	0	0	2	1	4
U.S. dependent areas	0	0	0	0	0	0	0	0
Subtotal	0	0	4	2	0	3	1	10
Subtotal, 20–24 years of age	1	0	89	42	1	13	12	158
Total	2	0	111	48	2	15	12	190

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

^a Hispanics/Latinos can be of any race.

^b “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

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

Table 4a. Diagnoses of HIV infection, by 2-year and 3-year age groups, and selected characteristics, 2018—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
Gender												
Male	11	—	304	—	1,124	—	2,801	—	2,422	—	6,662	—
Female	9	—	76	—	166	—	360	—	348	—	959	—
Transgender male-to-female ^b	0	—	8	—	22	—	79	—	69	—	178	—
Transgender female-to-male ^b	0	—	0	—	2	—	4	—	6	—	12	—
Additional gender identity ^c	0	—	0	—	2	—	2	—	2	—	6	—
Race/ethnicity												
American Indian/Alaska Native	0	0.0	0	0.0	10	13.6	16	14.8	13	17.2	39	9.0
Asian	1	0.2	5	0.8	18	4.0	62	8.4	63	11.4	149	5.3
Black/African American	12	1.1	230	13.4	789	65.3	1,710	94.2	1,363	103.9	4,104	57.2
Hispanic/Latino ^d	5	0.2	95	3.2	271	13.7	813	28.2	764	39.1	1,948	16.4
Native Hawaiian/other Pacific Islander	0	0.0	0	0.0	5	30.1	5	19.6	4	21.8	14	13.8
White	2	0.0	47	0.7	185	4.1	544	7.9	557	11.6	1,335	4.9
Multiple races	0	0.0	11	2.5	38	13.2	96	23.9	83	32.7	228	13.3
Transmission category^e												
Males												
Male-to-male sexual contact	9	—	281	—	1,078	—	2,674	—	2,251	—	6,293	—
Injection drug use	0	—	2	—	13	—	38	—	51	—	104	—
Male-to-male sexual contact and injection drug use	0	—	6	—	26	—	89	—	101	—	222	—
Heterosexual contact ^f	0	—	14	—	28	—	80	—	91	—	213	—
Perinatal ^g	1	—	9	—	2	—	0	—	0	—	13	—
Other ^h	0	—	0	—	0	—	1	—	1	—	2	—
Subtotal	11	0.3	312	4.9	1,148	26.1	2,882	43.7	2,493	54.2	6,846	26.1
Females												
Injection drug use	0	—	7	—	15	—	49	—	49	—	120	—
Heterosexual contact ^f	8	—	63	—	149	—	309	—	303	—	832	—
Perinatal ^g	1	—	7	—	4	—	5	—	3	—	20	—
Other ^h	0	—	0	—	0	—	0	—	0	—	0	—
Subtotal	9	0.2	76	1.2	168	4.0	364	5.8	354	8.1	971	3.9
Region of residenceⁱ												
North	3	0.2	52	2.6	136	9.1	421	19.1	386	25.9	998	11.7
Midwest	4	0.2	64	2.4	202	11.1	475	17.1	394	21.1	1,139	10.5
South	10	0.3	224	4.6	783	24.0	1,773	36.4	1,478	43.6	4,268	21.8
West	3	0.1	48	1.6	195	9.7	577	18.9	589	26.5	1,412	11.5
Total	20	0.2	388	3.1	1,316	15.3	3,246	25.2	2,847	31.7	7,817	15.2

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 gender or transmission category because of the lack of denominator data.

^b “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

^c Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

^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 Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

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

Table 4b. Diagnoses of HIV infection, by 2-year and 3-year age groups, and selected characteristics, 2018—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.
Gender						
Male	11	307	1,134	2,830	2,444	6,726
Female	9	76	168	365	351	969
Transgender male-to-female ^a	0	8	22	79	69	178
Transgender female-to-male ^a	0	0	2	4	6	12
Additional gender identity ^b	0	0	2	2	2	6
Race/ethnicity						
American Indian/Alaska Native	0	0	10	16	13	39
Asian	1	5	18	62	63	149
Black/African American	12	230	789	1,710	1,363	4,104
Hispanic/Latino ^c	5	98	283	847	789	2,022
Native Hawaiian/other Pacific Islander	0	0	5	5	4	14
White	2	47	185	544	557	1,335
Multiple races	0	11	38	96	83	228
Transmission category^d						
Males						
Male-to-male sexual contact	9	284	1,088	2,700	2,272	6,353
Injection drug use	0	2	13	38	51	104
Male-to-male sexual contact and injection drug use	0	6	26	90	101	223
Heterosexual contact ^e	0	14	28	82	92	216
Perinatal ^f	1	9	2	0	0	13
Other ^g	0	0	0	1	1	2
Subtotal	11	315	1,158	2,911	2,515	6,910
Females						
Injection drug use	0	7	15	49	49	120
Heterosexual contact ^e	8	63	151	314	306	842
Perinatal ^f	1	7	4	5	3	20
Other ^g	0	0	0	0	0	0
Subtotal	9	76	170	369	357	981
Region of residence^h						
North	3	52	136	421	386	998
Midwest	4	64	202	475	394	1,139
South	10	224	783	1,773	1,478	4,268
West	3	48	195	577	589	1,412
U.S. dependent areas	0	3	12	34	25	74
Total	20	391	1,328	3,280	2,872	7,891

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

^a “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

^b Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

^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 Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

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

Table 5a. Diagnoses of HIV infection attributed to male-to-male sexual contact, by age group, population of area of residence, and race/ethnicity, 2014–2018—United States

	2014 No.	2015 No.	2016 No.	2017 No.	2018 No.
13–19 years of age at diagnosis					
Metropolitan statistical areas (pop. ≥500,000)					
Race/ethnicity					
American Indian/Alaska Native	2	2	1	1	5
Asian	13	20	20	24	20
Black/African American	633	685	661	685	656
Hispanic/Latino ^a	257	271	273	280	271
Native Hawaiian/other Pacific Islander	1	2	0	1	2
White	96	104	99	119	124
Multiple races	58	47	47	39	25
Subtotal	1,060	1,130	1,100	1,149	1,103
Metropolitan areas (pop. 50,000–499,999)					
Race/ethnicity					
American Indian/Alaska Native	2	0	0	1	3
Asian	1	2	0	1	2
Black/African American	116	122	97	115	122
Hispanic/Latino ^a	27	28	24	36	29
Native Hawaiian/other Pacific Islander	0	0	1	0	1
White	36	28	33	34	32
Multiple races	9	7	5	7	5
Subtotal	190	187	159	194	194
Nonmetropolitan areas (pop. <50,000)					
Race/ethnicity					
American Indian/Alaska Native	1	3	1	0	0
Asian	1	1	0	0	1
Black/African American	51	54	52	48	42
Hispanic/Latino ^a	6	8	12	14	5
Native Hawaiian/other Pacific Islander	0	0	0	0	1
White	14	16	22	14	19
Multiple races	5	5	2	5	1
Subtotal	78	87	88	81	68
Subtotal, 13–19 years of age^b	1,336	1,414	1,357	1,439	1,368

Table 5a. Diagnoses of HIV infection attributed to male-to-male sexual contact, by age group, population of area of residence, and race/ethnicity, 2014–2018—United States (cont)

	2014 No.	2015 No.	2016 No.	2017 No.	2018 No.
20–24 years of age at diagnosis					
Metropolitan statistical areas (pop. ≥500,000)					
Race/ethnicity					
American Indian/Alaska Native	17	13	11	9	9
Asian	119	108	102	138	98
Black/African American	2,438	2,373	2,262	2,015	1,959
Hispanic/Latino ^a	1,299	1,350	1,306	1,169	1,192
Native Hawaiian/other Pacific Islander	3	7	1	9	5
White	702	689	644	664	609
Multiple races	233	223	184	128	115
Subtotal	4,810	4,763	4,509	4,130	3,987
Metropolitan areas (pop. 50,000–499,999)					
Race/ethnicity					
American Indian/Alaska Native	5	6	9	5	8
Asian	8	11	12	13	9
Black/African American	429	391	384	386	356
Hispanic/Latino ^a	116	127	133	140	122
Native Hawaiian/other Pacific Islander	1	2	0	0	2
White	166	163	163	185	134
Multiple races	32	30	33	25	23
Subtotal	757	731	734	754	653
Nonmetropolitan areas (pop. <50,000)					
Race/ethnicity					
American Indian/Alaska Native	6	10	5	4	8
Asian	0	2	1	4	3
Black/African American	233	170	176	144	144
Hispanic/Latino ^a	41	43	35	36	27
Native Hawaiian/other Pacific Islander	1	0	0	0	0
White	91	87	80	91	88
Multiple races	12	12	15	13	8
Subtotal	384	324	313	292	279
Subtotal, 20–24 years of age^b	5,990	5,875	5,602	5,234	4,925
Total^b	7,326	7,289	6,959	6,674	6,293

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 5b. Diagnoses of HIV infection attributed to injection drug use, by age group, population of area of residence, and race/ethnicity, 2014–2018—United States

	2014 No.	2015 No.	2016 No.	2017 No.	2018 No.
13–19 years of age at diagnosis					
Metropolitan statistical areas (pop. ≥500,000)					
Race/ethnicity					
American Indian/Alaska Native	0	0	0	0	0
Asian	1	0	0	0	0
Black/African American	12	11	12	11	11
Hispanic/Latino ^a	8	4	6	8	5
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	14	7	6	9	11
Multiple races	1	1	2	2	3
Subtotal	36	24	25	30	30
Metropolitan areas (pop. 50,000–499,999)					
Race/ethnicity					
American Indian/Alaska Native	0	0	0	0	0
Asian	0	0	0	0	0
Black/African American	1	1	2	3	3
Hispanic/Latino ^a	2	1	0	1	0
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	1	3	3	2	0
Multiple races	0	0	0	0	1
Subtotal	4	5	5	7	4
Nonmetropolitan areas (pop. <50,000)					
Race/ethnicity					
American Indian/Alaska Native	0	0	0	0	1
Asian	0	0	0	0	0
Black/African American	1	1	1	0	1
Hispanic/Latino ^a	0	0	0	0	0
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	1	1	1	2	1
Multiple races	0	0	0	0	0
Subtotal	1	2	2	3	3
Subtotal, 13–19 years of age^b	42	30	32	39	37

Table 5b. Diagnoses of HIV infection attributed to injection drug use, by age group, population of area of residence, and race/ethnicity, 2014–2018—United States (cont)

	2014 No.	2015 No.	2016 No.	2017 No.	2018 No.
20–24 years of age at diagnosis					
Metropolitan statistical areas (pop. ≥500,000)					
Race/ethnicity					
American Indian/Alaska Native	0	1	1	1	0
Asian	1	0	0	1	1
Black/African American	48	43	34	37	33
Hispanic/Latino ^a	37	41	26	29	32
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	45	66	56	68	66
Multiple races	3	3	5	2	10
Subtotal	134	154	121	139	141
Metropolitan areas (pop. 50,000–499,999)					
Race/ethnicity					
American Indian/Alaska Native	0	0	0	0	0
Asian	0	0	0	0	0
Black/African American	10	5	7	9	7
Hispanic/Latino ^a	2	4	2	3	7
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	10	11	8	12	15
Multiple races	2	1	0	2	1
Subtotal	24	21	18	26	30
Nonmetropolitan areas (pop. <50,000)					
Race/ethnicity					
American Indian/Alaska Native	0	0	3	0	0
Asian	0	0	1	0	0
Black/African American	4	2	3	3	4
Hispanic/Latino ^a	1	4	2	3	4
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	9	15	8	9	5
Multiple races	0	0	0	0	0
Subtotal	14	22	18	16	12
Subtotal, 20–24 years of age^b	172	197	158	181	186
Total^b	214	227	190	221	223

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 6a. Adolescents and young adults living with diagnosed HIV infection, by year, age group, and selected characteristics, 2014–2018—United States

	2014		2015		2016		2017		2018	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
13–19 years of age at end of year										
Gender										
Male	3,414	—	3,344	—	3,168	—	3,167	—	3,082	—
Female	2,476	—	2,211	—	2,033	—	1,921	—	1,842	—
Transgender male-to-female ^b	97	—	106	—	88	—	76	—	53	—
Transgender female-to-male ^b	3	—	5	—	6	—	7	—	6	—
Additional gender identity ^c	3	—	2	—	2	—	2	—	3	—
Race/ethnicity										
American Indian/Alaska Native	13	5.1	14	5.5	10	4.0	9	3.6	16	6.4
Asian ^d	63	4.5	74	5.2	82	5.6	100	6.7	124	8.1
Black/African American	3,710	88.7	3,517	85.1	3,280	80.0	3,218	79.0	3,095	76.5
Hispanic/Latino ^e	1,229	18.7	1,136	17.1	1,079	15.9	1,017	14.8	961	13.7
Native Hawaiian/other Pacific Islander	2	3.6	3	5.4	1	1.8	3	5.3	7	12.1
White	599	3.7	583	3.7	566	3.6	575	3.7	580	3.8
Multiple races	371	38.9	336	34.4	274	27.3	249	24.1	202	19.0
Transmission category^f										
Males										
Male-to-male sexual contact	1,781	—	1,878	—	1,795	—	1,890	—	1,867	—
Injection drug use	18	—	14	—	13	—	19	—	19	—
Male-to-male sexual contact and injection drug use	63	—	55	—	62	—	52	—	36	—
Heterosexual contact ^g	69	—	63	—	61	—	56	—	63	—
Perinatal ^h	1,438	—	1,279	—	1,152	—	1,036	—	958	—
Other ⁱ	144	—	164	—	174	—	194	—	195	—
Subtotal	3,514	23.3	3,452	23.0	3,258	21.7	3,245	21.6	3,138	20.9
Females										
Injection drug use	47	—	39	—	38	—	46	—	42	—
Heterosexual contact ^g	547	—	482	—	438	—	422	—	417	—
Perinatal ^h	1,739	—	1,530	—	1,380	—	1,261	—	1,182	—
Other ⁱ	146	—	165	—	183	—	199	—	207	—
Subtotal	2,479	17.2	2,216	15.4	2,039	14.2	1,928	13.4	1,848	12.8
Region of residence^j										
Northeast	1,593	31.6	1,366	27.5	1,176	23.9	1,068	21.8	971	20.0
Midwest	849	13.3	781	12.4	807	12.9	822	13.1	796	12.7
South	2,869	25.9	2,830	25.5	2,629	23.5	2,584	23.0	2,496	22.1
West	682	9.8	691	9.9	685	9.8	699	10.0	723	10.3
Subtotal, 13–19 years of age	5,993	20.3	5,668	19.3	5,297	18.1	5,173	17.6	4,986	16.9

Table 6a. Adolescents and young adults living with diagnosed HIV infection, by year, age group, and selected characteristics, 2014–2018—United States (cont)

	2014		2015		2016		2017		2018	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
20–24 years of age at end of year										
Gender										
Male	24,438	—	24,018	—	23,424	—	22,400	—	21,334	—
Female	6,358	—	6,001	—	5,600	—	5,258	—	4,882	—
Transgender male-to-female ^b	806	—	730	—	739	—	696	—	662	—
Transgender female-to-male ^b	17	—	17	—	12	—	16	—	21	—
Additional gender identity ^c	7	—	8	—	12	—	12	—	15	—
Race/ethnicity										
American Indian/Alaska Native	90	44.6	109	54.8	120	61.9	90	47.9	97	52.7
Asian ^d	340	27.4	374	29.9	402	31.8	448	35.1	430	33.3
Black/African American	18,188	528.4	17,538	517.1	16,805	509.7	15,874	495.2	15,027	480.5
Hispanic/Latino ^e	6,670	140.5	6,750	141.0	6,723	139.9	6,534	135.9	6,308	130.4
Native Hawaiian/other Pacific Islander	24	50.5	26	56.3	22	49.0	20	45.3	25	57.0
White	4,402	34.9	4,220	34.0	4,110	33.9	4,057	34.1	3,854	32.9
Multiple races	1,904	331.7	1,750	292.3	1,599	258.2	1,351	212.2	1,167	178.0
Transmission category^f										
Males										
Male-to-male sexual contact	21,270	—	20,927	—	20,574	—	19,784	—	19,006	—
Injection drug use	249	—	260	—	244	—	225	—	225	—
Male-to-male sexual contact and injection drug use	949	—	895	—	842	—	773	—	688	—
Heterosexual contact ^g	777	—	753	—	737	—	702	—	651	—
Perinatal ^h	1,865	—	1,788	—	1,656	—	1,501	—	1,322	—
Other ⁱ	141	—	131	—	121	—	123	—	118	—
Subtotal	25,250	215.3	24,755	212.7	24,174	210.5	23,107	204.2	22,010	196.5
Females										
Injection drug use	430	—	407	—	377	—	346	—	338	—
Heterosexual contact ^g	3,787	—	3,497	—	3,261	—	3,061	—	2,855	—
Perinatal ^h	2,049	—	2,002	—	1,865	—	1,766	—	1,600	—
Other ⁱ	110	—	113	—	110	—	102	—	112	—
Subtotal	6,376	57.2	6,019	54.6	5,613	51.6	5,275	49.1	4,904	46.0
Region of residence^j										
Northeast	6,156	157.4	5,715	148.0	5,325	139.9	4,955	132.2	4,550	123.2
Midwest	4,840	99.4	4,635	95.8	4,424	92.8	4,205	89.6	4,007	86.4
South	16,352	190.8	16,011	188.3	15,511	184.9	14,777	178.0	14,038	170.0
West	4,278	77.4	4,413	80.6	4,527	83.9	4,445	83.5	4,319	81.7
Subtotal, 20–24 years of age	31,626	138.2	30,774	135.7	29,787	133.2	28,382	128.6	26,914	123.0
Total^k	37,619	71.9	36,442	70.1	35,084	67.9	33,555	65.2	31,900	62.2

Note. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution. Data for the year 2018 are considered preliminary and are based on death data reported to the Centers for Disease Control and Prevention through December 2019.

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

^b “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

^c Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

^d Includes Asian/Pacific Islander legacy cases.

^e Hispanics/Latinos can be of any race.

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

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

^h Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

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

^k Includes persons whose race/ethnicity is unknown.

Table 6b. Adolescents and young adults living with diagnosed HIV infection, by year, age group, and selected characteristics, 2012–2016—United States and 6 dependent areas

	2014		2015		2016		2017		2018	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
13–19 years of age at end of year										
Gender										
Male	3,470	—	3,383	—	3,196	—	3,190	—	3,112	—
Female	2,518	—	2,246	—	2,055	—	1,948	—	1,860	—
Transgender male-to-female ^b	99	—	107	—	88	—	76	—	53	—
Transgender female-to-male ^b	4	—	6	—	7	—	8	—	7	—
Additional gender identity ^c	3	—	2	—	2	—	2	—	3	—
Race/ethnicity										
American Indian/Alaska Native	13	—	14	—	10	—	9	—	16	—
Asian ^d	63	—	74	—	82	—	100	—	124	—
Black/African American	3,712	—	3,519	—	3,280	—	3,220	—	3,097	—
Hispanic/Latino ^e	1,326	—	1,209	—	1,130	—	1,064	—	1,007	—
Native Hawaiian/other Pacific Islander	2	—	3	—	1	—	3	—	7	—
White	599	—	583	—	566	—	576	—	580	—
Multiple races	373	—	337	—	274	—	250	—	203	—
Transmission category^f										
Males										
Male-to-male sexual contact	1,802	—	1,887	—	1,801	—	1,894	—	1,880	—
Injection drug use	18	—	15	—	13	—	19	—	19	—
Male-to-male sexual contact and injection drug use	63	—	55	—	62	—	52	—	36	—
Heterosexual contact ^g	71	—	63	—	61	—	57	—	63	—
Perinatal ^h	1,470	—	1,306	—	1,172	—	1,053	—	974	—
Other ⁱ	147	—	167	—	176	—	195	—	196	—
Subtotal	3,572	23.4	3,492	23.0	3,286	21.7	3,268	21.5	3,168	20.9
Females										
Injection drug use	47	—	39	—	38	—	46	—	42	—
Heterosexual contact ^g	560	—	491	—	443	—	431	—	422	—
Perinatal ^h	1,768	—	1,555	—	1,396	—	1,278	—	1,196	—
Other ⁱ	148	—	167	—	185	—	201	—	207	—
Subtotal	2,522	17.3	2,252	15.5	2,062	14.2	1,956	13.4	1,867	12.8
Region of residence^j										
Northeast	1,593	31.6	1,366	27.5	1,176	23.9	1,068	21.8	971	20.0
Midwest	849	13.3	781	12.4	807	12.9	822	13.1	796	12.7
South	2,869	25.9	2,830	25.5	2,629	23.5	2,584	23.0	2,496	22.1
West	682	9.8	691	9.9	685	9.8	699	10.0	723	10.3
U.S. dependent areas	101	25.6	76	20.0	51	14.1	51	14.7	49	15.1
Subtotal, 13–19 years of age	6,094	20.4	5,744	19.3	5,348	18.0	5,224	17.6	5,035	16.9

Table 6b. Adolescents and young adults living with diagnosed HIV infection, by year, age group, and selected characteristics, 2012–2016—United States and 6 dependent areas (cont)

	2014		2015		2016		2017		2018	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
20–24 years of age at end of year										
Gender										
Male	24,756	—	24,309	—	23,688	—	22,627	—	21,529	—
Female	6,468	—	6,101	—	5,686	—	5,329	—	4,954	—
Transgender male-to-female ^b	810	—	733	—	742	—	699	—	665	—
Transgender female-to-male ^b	17	—	17	—	12	—	16	—	21	—
Additional gender identity ^c	7	—	8	—	12	—	12	—	15	—
Race/ethnicity										
American Indian/Alaska Native	90	—	109	—	120	—	90	—	97	—
Asian ^d	340	—	374	—	402	—	448	—	430	—
Black/African American	18,190	—	17,541	—	16,807	—	15,876	—	15,029	—
Hispanic/Latino ^e	7,097	—	7,137	—	7,068	—	6,829	—	6,572	—
Native Hawaiian/other Pacific Islander	26	—	27	—	24	—	21	—	26	—
White	4,402	—	4,220	—	4,111	—	4,058	—	3,856	—
Multiple races	1,905	—	1,753	—	1,602	—	1,353	—	1,168	—
Transmission category^f										
Males										
Male-to-male sexual contact	21,487	—	21,123	—	20,758	—	19,942	—	19,152	—
Injection drug use	260	—	270	—	254	—	230	—	227	—
Male-to-male sexual contact and injection drug use	960	—	907	—	850	—	779	—	691	—
Heterosexual contact ^g	795	—	770	—	750	—	717	—	663	—
Perinatal ^h	1,926	—	1,844	—	1,704	—	1,542	—	1,353	—
Other ⁱ	145	—	134	—	125	—	127	—	121	—
Subtotal	25,572	215.4	25,049	212.6	24,441	210.3	23,337	203.8	22,208	196.1
Females										
Injection drug use	433	—	411	—	380	—	347	—	339	—
Heterosexual contact ^g	3,841	—	3,546	—	3,301	—	3,098	—	2,899	—
Perinatal ^h	2,099	—	2,046	—	1,906	—	1,799	—	1,624	—
Other ⁱ	113	—	116	—	111	—	102	—	114	—
Subtotal	6,486	57.4	6,119	54.8	5,699	51.8	5,346	49.2	4,976	46.1
Region of residence^j										
Northeast	6,156	157.4	5,715	148.0	5,325	139.9	4,955	132.2	4,550	123.2
Midwest	4,840	99.4	4,635	95.8	4,424	92.8	4,205	89.6	4,007	86.4
South	16,352	190.8	16,011	188.3	15,511	184.9	14,777	178.0	14,038	170.0
West	4,278	77.4	4,413	80.6	4,527	83.9	4,445	83.5	4,319	81.7
U.S. dependent areas	432	149.8	394	140.4	353	129.8	301	114.6	270	109.2
Subtotal, 20–24 years of age	32,058	138.4	31,168	135.8	30,140	133.2	28,683	128.5	27,184	122.9
Total^k	38,152	72.0	36,912	70.1	35,488	67.8	33,907	65.1	32,219	62.1

Note. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution. Data for the year 2018 are considered preliminary and are based on death data reported to the Centers for Disease Control and Prevention through December 2019.

^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 gender or transmission category because of the lack of denominator data.

^b “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

^c Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

^d Includes Asian/Pacific Islander legacy cases.

^e Hispanics/Latinos can be of any race.

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

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

^h Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

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

^k Includes persons whose race/ethnicity is unknown.

Table 7a. Adolescents and young adults living with diagnosed HIV infection, by 2-year and 3-year age groups, and selected characteristics, year-end 2018—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
Gender												
Male	294	—	800	—	1,988	—	9,073	—	12,261	—	24,416	—
Female	370	—	677	—	795	—	2,244	—	2,638	—	6,724	—
Transgender male-to-female ^b	0	—	5	—	48	—	313	—	349	—	715	—
Transgender female-to-male ^b	0	—	1	—	5	—	13	—	8	—	27	—
Additional gender identity ^c	0	—	1	—	2	—	6	—	9	—	18	—
Race/ethnicity												
American Indian/Alaska Native	0	0.0	5	4.7	11	15.0	29	26.7	68	89.8	113	26.1
Asian ^d	35	8.2	37	5.7	52	11.5	187	25.3	243	43.8	554	19.6
Black/African American	427	38.2	923	53.7	1,745	144.3	6,732	370.7	8,295	632.5	18,122	252.6
Hispanic/Latino ^e	89	4.3	270	9.0	602	30.4	2,606	90.3	3,702	189.7	7,269	61.2
Native Hawaiian/other Pacific Islander	2	12.0	1	4.1	4	24.1	10	39.3	15	81.7	32	31.5
White	85	2.0	170	2.6	325	7.1	1,579	22.8	2,275	47.3	4,434	16.3
Multiple races	26	8.0	78	17.4	98	34.0	502	124.9	665	262.0	1,369	79.8
Transmission category^f												
Males												
Male-to-male sexual contact	9	—	278	—	1,580	—	8,034	—	10,972	—	20,873	—
Injection drug use	0	—	3	—	16	—	85	—	140	—	244	—
Male-to-male sexual contact and injection drug use	0	—	5	—	31	—	256	—	432	—	724	—
Heterosexual contact ^g	0	—	16	—	46	—	248	—	403	—	713	—
Perinatal ^h	220	—	409	—	329	—	696	—	626	—	2,280	—
Other ⁱ	64	—	94	—	37	—	72	—	46	—	313	—
Subtotal	294	6.9	806	12.6	2,038	46.4	9,392	142.3	12,618	274.2	25,148	95.9
Females												
Injection drug use	0	—	14	—	28	—	124	—	214	—	380	—
Heterosexual contact ^g	8	—	89	—	320	—	1,209	—	1,646	—	3,271	—
Perinatal ^h	307	—	463	—	411	—	856	—	744	—	2,782	—
Other ⁱ	54	—	112	—	41	—	68	—	44	—	319	—
Subtotal	370	9.1	678	11.1	800	19.1	2,257	35.8	2,647	60.6	6,752	26.9
Region of residence^j												
North	138	10.4	281	13.8	552	37.0	1,939	88.1	2,611	175.0	5,521	64.6
Midwest	117	6.6	253	9.5	426	23.5	1,733	62.5	2,274	121.8	4,803	44.1
South	282	8.8	735	15.2	1,479	45.3	6,231	128.0	7,807	230.3	16,534	84.5
West	127	6.3	215	7.2	381	19.0	1,746	57.1	2,573	115.7	5,042	41.0
Total^k	664	8.0	1,484	11.9	2,838	33.1	11,649	90.3	15,265	170.1	31,900	62.2

Note. Numbers less than 12, and rates based on these numbers, should be interpreted with caution. Data for the year 2018 are considered preliminary and are based on death data reported to the Centers for Disease Control and Prevention through December 2019.

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

^b "Transgender male-to-female" includes individuals who were assigned "male" sex at birth but have ever identified as "female" gender. "Transgender female-to-male" includes individuals who were assigned "female" sex at birth but have ever identified as "male" gender.

^c Additional gender identity examples include "bigender," "gender queer," and "two-spirit."

^d Includes Asian/Pacific Islander legacy cases.

^e Hispanics/Latinos can be of any race.

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

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

^h Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

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

^k Includes persons whose race/ethnicity is unknown.

Table 7b. Adolescents and young adults living with diagnosed HIV infection, by 2-year and 3-year age groups, and selected characteristics, year-end 2018—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.
Gender						
Male	298	806	2,008	9,154	12,375	24,641
Female	374	681	805	2,271	2,683	6,814
Transgender male-to-female ^a	0	5	48	315	350	718
Transgender female-to-male ^a	0	1	6	13	8	28
Additional gender identity ^b	0	1	2	6	9	18
Race/ethnicity						
American Indian/Alaska Native	0	5	11	29	68	113
Asian ^c	35	37	52	187	243	554
Black/African American	428	924	1,745	6,732	8,297	18,126
Hispanic/Latino ^d	95	279	633	2,715	3,857	7,579
Native Hawaiian/other Pacific Islander	2	1	4	10	16	33
White	85	170	325	1,580	2,276	4,436
Multiple races	27	78	98	502	666	1,371
Transmission category^e						
Males						
Male-to-male sexual contact	9	281	1,590	8,092	11,060	21,032
Injection drug use	0	3	16	87	140	247
Male-to-male sexual contact and injection drug use	0	5	31	257	434	727
Heterosexual contact ^f	0	16	46	253	410	726
Perinatal ^g	224	412	338	711	642	2,327
Other ^h	64	94	38	74	47	317
Subtotal	298	812	2,058	9,475	12,733	25,376
Females						
Injection drug use	0	14	28	124	215	381
Heterosexual contact ^f	8	90	324	1,225	1,674	3,321
Perinatal ^g	311	466	418	865	759	2,820
Other ^h	54	112	41	70	44	321
Subtotal	374	682	811	2,284	2,692	6,843
Region of residenceⁱ						
North	138	281	552	1,939	2,611	5,521
Midwest	117	253	426	1,733	2,274	4,803
South	282	735	1,479	6,231	7,807	16,534
West	127	215	381	1,746	2,573	5,042
U.S. dependent areas	8	10	31	110	160	319
Total^j	672	1,494	2,869	11,759	15,425	32,219

Note. Numbers less than 12 should be interpreted with caution. Data for the year 2018 are considered preliminary and are based on death data reported to the Centers for Disease Control and Prevention through December 2019.

^a “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

^b “Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

^c Includes Asian/Pacific Islander legacy cases.

^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 Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

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

^j Includes persons whose race/ethnicity is unknown.

Table 8. Adolescents and young adults living with diagnosed HIV infection, by region of residence, age group, and selected characteristics, year-end 2018—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										
Gender										
Male	581	—	489	—	1,569	—	443	—	30	—
Female	376	—	291	—	900	—	275	—	18	—
Transgender male-to-female ^c	11	—	15	—	24	—	3	—	0	—
Transgender female-to-male ^c	0	—	1	—	3	—	2	—	1	—
Additional gender identity ^d	3	—	0	—	0	—	0	—	0	—
Race/ethnicity										
American Indian/Alaska Native	0	0.0	2	4.5	6	7.4	8	7.2	0	—
Asian ^e	23	7.3	26	11.8	33	8.6	42	6.9	0	—
Black/African American	550	92.0	552	75.4	1,718	71.6	275	86.9	2	—
Hispanic/Latino ^f	286	32.2	74	10.2	364	13.9	237	8.5	46	—
Native Hawaiian/other Pacific Islander	0	0.0	0	0.0	2	21.4	5	11.7	0	—
White	81	2.8	105	2.4	272	5.0	122	4.4	0	—
Multiple races	30	20.7	37	16.3	101	28.6	34	10.1	1	—
Transmission category^g										
Males										
Male-to-male sexual contact	267	—	317	—	1,023	—	260	—	13	—
Injection drug use	4	—	2	—	9	—	5	—	0	—
Male-to-male sexual contact and injection drug use	6	—	6	—	18	—	7	—	0	—
Heterosexual contact ^h	10	—	10	—	39	—	3	—	0	—
Perinatal ⁱ	273	—	141	—	406	—	138	—	16	—
Other ^j	35	—	29	—	98	—	33	—	1	—
Subtotal	595	24.1	504	15.8	1,593	27.6	446	12.5	30	18.0
Females										
Injection drug use	9	—	5	—	18	—	10	—	0	—
Heterosexual contact ^h	62	—	64	—	245	—	45	—	5	—
Perinatal ⁱ	269	—	192	—	529	—	193	—	14	—
Other ^j	36	—	31	—	111	—	29	—	0	—
Subtotal	376	15.8	292	9.6	903	16.3	277	8.1	19	12.0
Subtotal, 13–19 years of age	971	20.0	796	12.7	2,496	22.1	723	10.3	49	15.1

Table 8. Adolescents and young adults living with diagnosed HIV infection, by region of residence, age group, and selected characteristics, year-end 2018—United States and 6 dependent areas (cont)

	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
20–24 years of age at end of year										
Gender										
Male	3,242	—	3,165	—	11,236	—	3,691	—	195	—
Female	1,112	—	695	—	2,537	—	538	—	72	—
Transgender male-to-female ^c	185	—	140	—	257	—	80	—	3	—
Transgender female-to-male ^c	3	—	6	—	6	—	6	—	0	—
Additional gender identity ^d	8	—	1	—	2	—	4	—	0	—
Race/ethnicity										
American Indian/Alaska Native	4	42.8	11	34.0	20	32.8	62	76.1	0	—
Asian ^e	90	33.2	63	29.2	98	32.3	179	35.6	0	—
Black/African American	2,240	465.8	2,555	454.3	9,194	506.3	1,038	386.6	2	—
Hispanic/Latino ^f	1,429	221.0	445	96.0	2,454	140.6	1,980	99.8	264	—
Native Hawaiian/other Pacific Islander	0	0.0	2	73.4	4	54.3	19	59.5	1	—
White	542	24.7	737	22.8	1,698	41.3	877	40.0	2	—
Multiple races	241	269.4	194	143.7	569	272.9	163	73.2	1	—
Transmission category^g										
Males										
Male-to-male sexual contact	2,654	—	2,947	—	10,086	—	3,318	—	147	—
Injection drug use	47	—	32	—	95	—	51	—	2	—
Male-to-male sexual contact and injection drug use	108	—	104	—	278	—	198	—	3	—
Heterosexual contact ^h	98	—	72	—	436	—	45	—	12	—
Perinatal ⁱ	496	—	131	—	544	—	151	—	31	—
Other ^j	31	—	19	—	57	—	12	—	3	—
Subtotal	3,434	184.4	3,306	139.6	11,495	271.6	3,775	137.9	198	157.8
Females										
Injection drug use	72	—	62	—	131	—	73	—	1	—
Heterosexual contact ^h	455	—	451	—	1,661	—	287	—	45	—
Perinatal ⁱ	555	—	171	—	699	—	176	—	24	—
Other ^j	34	—	18	—	52	—	8	—	2	—
Subtotal	1,116	61.0	701	30.9	2,543	63.2	544	21.4	72	59.1
Subtotal, 20–24 years of age	4,550	123.2	4,007	86.4	14,038	170.0	4,319	81.7	270	109.2
Total^k	5,521	64.6	4,803	44.1	16,534	84.5	5,042	41.0	319	55.7

Note. Numbers less than 12, and rates based on these numbers, should be interpreted with caution. Data for the year 2018 are considered preliminary and are based on death data reported to the Centers for Disease Control and Prevention through December 2019.

^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 gender or transmission category because of the lack of denominator data.

^c “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

^d Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

^e Includes Asian/Pacific Islander legacy cases.

^f Hispanics/Latinos can be of any race.

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

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

ⁱ Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

^k Includes persons whose race/ethnicity is unknown.

Table 9. Adolescents and young adults living with diagnosed HIV infection, by population of area of residence, age group, and selected characteristics, year-end 2018—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.	Rate ^a
13–19 years of age at end of year								
Gender								
Male	2,393	—	373	—	175	—	3,082	—
Female	1,404	—	221	—	112	—	1,842	—
Transgender male-to-female ^b	42	—	7	—	1	—	53	—
Transgender female-to-male ^b	4	—	1	—	0	—	6	—
Additional gender identity ^c	3	—	0	—	0	—	3	—
Race/ethnicity								
American Indian/Alaska Native	8	9.3	4	7.9	4	3.6	16	6.4
Asian ^d	100	7.6	13	8.1	5	11.0	124	8.1
Black/African American	2,395	78.9	389	60.6	159	43.0	3,095	76.5
Hispanic/Latino ^e	812	14.8	74	7.1	41	7.9	961	13.7
Native Hawaiian/other Pacific Islander	6	14.5	1	10.4	0	0.0	7	12.1
White	381	4.1	96	2.9	57	1.9	580	3.8
Multiple races	143	19.6	25	12.1	22	17.7	202	19.0
Transmission category^f								
Males								
Male-to-male sexual contact	1,478	—	243	—	88	—	1,867	—
Injection drug use	17	—	1	—	1	—	19	—
Male-to-male sexual contact and injection drug use	23	—	6	—	6	—	36	—
Heterosexual contact ^g	46	—	10	—	4	—	63	—
Perinatal ^h	731	—	98	—	59	—	958	—
Other ⁱ	143	—	22	—	17	—	195	—
Subtotal	2,438	24.0	380	13.9	176	8.3	3,138	20.9
Females								
Injection drug use	30	—	6	—	2	—	42	—
Heterosexual contact ^g	309	—	64	—	29	—	417	—
Perinatal ^h	911	—	126	—	67	—	1,182	—
Other ⁱ	158	—	26	—	14	—	207	—
Subtotal	1,408	14.4	222	8.4	112	5.6	1,848	12.8
Subtotal, 13–19 years of age	3,846	19.3	602	11.2	288	7.0	4,986	16.9

Table 9. Adolescents and young adults living with diagnosed HIV infection, by population of area of residence, age group, and selected characteristics, year-end 2018—United States (cont)

	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.	Rate ^a
20–24 years of age at end of year								
Gender								
Male	16,669	—	2,645	—	1,186	—	21,334	—
Female	3,733	—	648	—	285	—	4,882	—
Transgender male-to-female ^b	555	—	56	—	24	—	662	—
Transgender female-to-male ^b	15	—	4	—	1	—	21	—
Additional gender identity ^c	14	—	1	—	0	—	15	—
Race/ethnicity								
American Indian/Alaska Native	39	56.4	28	69.2	28	37.6	97	52.7
Asian ^d	356	33.7	46	24.6	9	18.5	430	33.3
Black/African American	11,597	507.7	1,939	362.7	851	275.7	15,027	480.5
Hispanic/Latino ^e	5,455	144.7	527	71.8	176	52.4	6,308	130.4
Native Hawaiian/other Pacific Islander	21	66.9	3	40.4	1	19.9	25	57.0
White	2,635	38.5	669	23.9	352	16.9	3,854	32.9
Multiple races	879	197.8	140	101.5	79	107.4	1,167	178.0
Transmission category^f								
Males								
Male-to-male sexual contact	14,964	—	2,347	—	997	—	19,006	—
Injection drug use	166	—	28	—	18	—	225	—
Male-to-male sexual contact and injection drug use	506	—	91	—	60	—	688	—
Heterosexual contact ^g	477	—	95	—	54	—	651	—
Perinatal ^h	1,029	—	131	—	73	—	1,322	—
Other ⁱ	95	—	11	—	7	—	118	—
Subtotal	17,237	234.4	2,702	117.4	1,210	78.2	22,010	196.5
Females								
Injection drug use	262	—	43	—	22	—	337	—
Heterosexual contact ^g	2,134	—	440	—	182	—	2,855	—
Perinatal ^h	1,276	—	149	—	80	—	1,600	—
Other ⁱ	78	—	19	—	2	—	112	—
Subtotal	3,749	52.4	652	30.4	286	20.8	4,904	46.0
Subtotal, 20–24 years of age	20,986	144.7	3,354	75.5	1,496	51.2	26,914	123.0
Total^j	24,832	72.1	3,956	40.3	1,784	25.4	31,900	62.2

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. Data for the year 2018 are considered preliminary and are based on death data reported to the Centers for Disease Control and Prevention through December 2019.

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

^b “Transgender male-to-female” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender female-to-male” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

^c Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

^d Includes Asian/Pacific Islander legacy cases.

^e Hispanics/Latinos can be of any race.

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

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

^h Individuals were ≥ 13 years of age at time of diagnosis of HIV infection.

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

^j Includes persons whose race/ethnicity is unknown.

Table 10. Diagnoses of HIV infection, by age group and area of residence, 2017 and 2018—United States and 6 dependent areas

Area of residence	2017						2018					
	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	35	7.9	154	46.7	189	24.5	42	9.6	144	44.3	186	24.3
Alaska	2	3.0	6	11.0	8	6.6	2	3.0	3	5.7	5	4.2
Arizona	26	4.0	112	23.0	138	12.1	32	4.8	120	24.4	152	13.2
Arkansas	19	6.9	67	33.1	86	17.9	25	9.0	53	26.3	78	16.3
California	166	4.7	799	29.0	965	15.3	160	4.5	753	27.8	913	14.6
Colorado	16	3.2	69	18.2	85	9.6	13	2.6	68	18.0	81	9.1
Connecticut	13	3.9	39	15.9	52	9.0	13	3.9	34	14.0	47	8.2
Delaware	4	4.8	23	38.9	27	19.0	3	3.6	11	18.9	14	9.9
District of Columbia	13	27.4	52	97.1	65	64.4	11	23.2	47	88.8	58	57.8
Florida	192	11.5	625	49.1	817	27.8	173	10.3	619	48.7	792	26.8
Georgia	136	13.5	464	64.6	600	34.7	151	14.8	458	63.9	609	35.1
Hawaii	1	0.9	10	10.7	11	5.4	1	0.9	8	8.8	9	4.5
Idaho	0	0.0	8	7.1	8	2.8	0	0.0	7	6.1	7	2.4
Illinois	99	8.5	253	29.3	352	17.3	71	6.1	260	30.7	331	16.5
Indiana	29	4.6	94	19.8	123	11.1	33	5.2	91	19.3	124	11.2
Iowa	5	1.7	30	13.1	35	6.7	8	2.7	11	4.8	19	3.6
Kansas	7	2.5	37	17.2	44	8.9	9	3.2	32	15.0	41	8.3
Kentucky	13	3.2	57	18.8	70	9.9	25	6.2	54	17.9	79	11.2
Louisiana	49	11.7	197	62.1	246	33.4	62	14.9	164	53.0	226	31.1
Maine	1	0.9	2	2.6	3	1.6	2	1.9	1	1.3	3	1.6
Maryland	58	10.9	159	41.5	217	23.7	56	10.5	137	36.4	193	21.2
Massachusetts	19	3.1	77	15.5	96	8.6	7	1.1	70	14.2	77	7.0
Michigan	49	5.4	142	20.1	191	11.8	45	5.0	130	18.7	175	10.9
Minnesota	8	1.6	47	13.0	55	6.4	9	1.8	29	8.1	38	4.4
Mississippi	26	9.0	92	43.7	118	23.7	28	9.8	98	47.4	126	25.5
Missouri	29	5.3	98	23.7	127	13.2	26	4.8	91	22.2	117	12.2
Montana	1	1.1	3	4.1	4	2.5	0	0.0	3	4.1	3	1.9
Nebraska	5	2.7	15	10.9	20	6.2	2	1.1	15	10.9	17	5.3
Nevada	12	4.7	68	37.6	80	18.4	14	5.4	83	45.6	97	22.0
New Hampshire	0	0.0	7	7.7	7	3.4	0	0.0	3	3.3	3	1.5
New Jersey	40	5.1	163	29.2	203	15.1	38	4.8	147	26.7	185	13.9
New Mexico	10	5.1	26	18.0	36	10.6	5	2.6	15	10.6	20	6.0
New York	98	5.9	422	31.7	520	17.4	87	5.3	350	26.9	437	14.9
North Carolina	77	8.2	248	35.5	325	19.8	75	7.9	233	33.4	308	18.7
North Dakota	1	1.5	6	9.3	7	5.4	3	4.6	1	1.6	4	3.1
Ohio	62	5.8	178	23.2	240	13.1	55	5.2	171	22.5	226	12.4
Oklahoma	8	2.2	47	17.1	55	8.5	15	4.0	45	16.4	60	9.3
Oregon	8	2.3	26	9.8	34	5.6	6	1.7	28	10.5	34	5.6
Pennsylvania	65	5.8	188	22.7	253	13.0	41	3.7	187	22.9	228	11.8
Rhode Island	6	6.2	6	7.7	12	6.9	2	2.1	13	17.0	15	8.7
South Carolina	31	6.9	136	40.6	167	21.4	38	8.5	124	37.3	162	20.7

Table 10. Diagnoses of HIV infection, by age group and area of residence, 2017 and 2018—United States and 6 dependent areas

Area of residence	2017						2018					
	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
South Dakota	0	0.0	6	10.0	6	4.3	0	0.0	3	5.0	3	2.1
Tennessee	44	7.4	144	32.3	188	18.1	40	6.7	131	29.4	171	16.4
Texas	227	8.0	764	38.3	991	20.5	230	8.0	765	38.3	995	20.5
Utah	6	1.7	20	7.8	26	4.3	3	0.8	25	9.6	28	4.5
Vermont	0	0.0	3	6.4	3	2.9	1	1.8	2	4.3	3	2.9
Virginia	44	5.9	169	29.0	213	16.0	42	5.6	155	26.8	197	14.8
Washington	12	1.9	52	10.8	64	5.8	10	1.6	53	11.0	63	5.7
West Virginia	2	1.3	20	17.4	22	8.3	1	0.7	13	11.5	14	5.3
Wisconsin	20	3.8	49	12.2	69	7.4	9	1.7	35	8.8	44	4.8
Wyoming	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Subtotal	1,794	6.1	6,479	29.4	8,273	16.1	1,724	5.9	6,093	27.9	7,817	15.2
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Northern Mariana Islands	0	0.0	1	27.0	1	9.9	0	0.0	0	0.0	0	0.0
Puerto Rico	12	4.0	63	27.1	75	14.0	15	5.3	59	27.0	74	14.8
Republic of Palau	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
U.S. Virgin Islands	1	11.4	0	0.0	1	6.8	0	0.0	0	0.0	0	0.0
Subtotal	13	3.8	64	24.4	77	12.7	15	4.6	59	23.9	74	12.9
Total	1,807	6.1	6,543	29.3	8,350	16.0	1,739	5.8	6,152	27.8	7,891	15.2

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

^a Rates are per 100,000 population.

Table 11. Adolescents and young adults living with diagnosed HIV infection, by age group and area of residence, year-end 2018—United States and 6 dependent areas

Area of residence	Aged 13–19 years at end of year		Aged 20–24 years at end of year		Total	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Alabama	79	18.0	548	168.5	627	82.1
Alaska	7	10.6	14	26.4	21	17.7
Arizona	100	15.1	441	89.6	541	46.9
Arkansas	36	13.0	242	120.0	278	58.1
California	381	10.7	2,812	103.7	3,193	50.9
Colorado	61	12.0	247	65.3	308	34.7
Connecticut	44	13.3	178	73.2	222	38.6
Delaware	12	14.4	74	126.8	86	60.7
District of Columbia	46	96.9	244	461.0	290	288.8
Florida	487	28.9	2,606	205.2	3,093	104.6
Georgia	341	33.5	1,915	267.2	2,256	130.1
Hawaii	7	6.4	27	29.7	34	17.0
Idaho	13	7.4	20	17.4	33	11.3
Illinois	202	17.4	1,207	142.4	1,409	70.2
Indiana	92	14.5	354	75.1	446	40.3
Iowa	19	6.4	91	40.0	110	21.0
Kansas	25	8.9	105	49.3	130	26.4
Kentucky	52	13.0	210	69.6	262	37.3
Louisiana	136	32.7	806	260.6	942	129.8
Maine	10	9.3	17	22.7	27	14.8
Maryland	192	36.1	752	199.7	944	103.9
Massachusetts	80	13.0	347	70.2	427	38.5
Michigan	117	12.9	594	85.5	711	44.4
Minnesota	63	12.5	186	51.7	249	28.8
Mississippi	52	18.1	387	187.2	439	89.0
Missouri	72	13.2	410	100.2	482	50.4
Montana	1	1.1	12	16.5	13	8.0
Nebraska	14	7.6	59	43.0	73	22.7
Nevada	34	13.2	269	147.8	303	68.8
New Hampshire	4	3.4	21	23.4	25	12.1
New Jersey	144	18.4	676	122.7	820	61.4
New Mexico	14	7.2	85	60.1	99	29.5
New York	440	26.8	2,326	178.6	2,766	94.0
North Carolina	187	19.7	1,062	152.2	1,249	75.9
North Dakota	9	13.7	12	18.9	21	16.2
Ohio	133	12.6	782	103.0	915	50.4
Oklahoma	35	9.4	172	62.8	207	32.1
Oregon	21	6.1	94	35.4	115	18.8
Pennsylvania	219	19.7	925	113.5	1,144	59.3
Rhode Island	24	25.1	43	56.1	67	38.9
South Carolina	80	17.8	556	167.4	636	81.4

Table 11. Adolescents and young adults living with diagnosed HIV infection, by age group and area of residence, year-end 2018—United States and 6 dependent areas (cont)

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
South Dakota	1	1.2	14	23.5	15	10.6
Tennessee	115	19.3	589	132.2	704	67.6
Texas	548	19.1	3,164	158.3	3,712	76.3
Utah	20	5.6	70	26.8	90	14.6
Vermont	6	10.7	17	36.8	23	22.5
Virginia	91	12.1	663	114.5	754	56.6
Washington	59	9.4	223	46.3	282	25.4
West Virginia	7	4.7	48	42.4	55	21.0
Wisconsin	49	9.3	193	48.7	242	26.2
Wyoming	5	9.7	5	13.2	10	11.2
Subtotal	4,986	16.9	26,914	123.0	31,900	62.2
U.S. dependent areas						
American Samoa	0	0.0	0	0.0	0	0.0
Guam	1	5.0	0	0.0	1	3.0
Northern Mariana Islands	0	0.0	2	54.3	2	19.7
Puerto Rico	46	16.4	263	120.4	309	61.9
Republic of Palau	0	0.0	0	0.0	0	0.0
U.S. Virgin Islands	2	23.3	5	87.1	7	48.8
Subtotal	49	15.1	270	109.2	319	55.7
Total	5,035	16.9	27,184	122.9	32,219	62.1

Note. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Numbers less than 12, and rates based on these numbers, should be interpreted with caution. Data for the year 2018 are considered preliminary and are based on death data reported to the Centers for Disease Control and Prevention through December 2019.

^a Rates are per 100,000 population.

Table 12. Adolescents and young adults living with diagnosed HIV infection, by selected races/ethnicities and area of residence, year-end 2018—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	466	201.9	18	42.5	110	24.1
Alaska	5	102.4	2	18.3	4	6.7
Arizona	118	207.1	235	48.1	124	26.0
Arkansas	171	196.1	19	36.9	64	20.5
California	803	229.3	1,581	50.8	519	30.1
Colorado	81	207.2	118	45.8	92	17.7
Connecticut	102	155.8	84	70.3	31	9.0
Delaware	65	172.5	11	58.1	8	10.9
District of Columbia	235	498.2	24	205.1	10	29.6
Florida	1,885	320.0	726	80.7	392	30.4
Georgia	1,816	302.4	151	71.3	185	23.1
Hawaii	6	116.2	2	6.8	8	22.9
Idaho	16	535.8	5	9.9	8	3.6
Illinois	972	308.5	218	47.2	140	13.2
Indiana	280	234.7	39	36.8	91	11.3
Iowa	36	139.1	17	37.7	38	9.2
Kansas	45	140.7	32	39.8	41	12.2
Kentucky	151	213.5	15	41.5	86	15.4
Louisiana	787	287.0	41	103.5	96	25.4
Maine	14	284.0	2	40.2	10	6.2
Maryland	736	255.1	80	71.3	52	12.6
Massachusetts	163	178.4	149	83.8	79	11.0
Michigan	515	213.2	44	36.9	109	9.9
Minnesota	135	189.2	29	41.7	56	9.0
Mississippi	379	180.8	9	46.7	36	14.5
Missouri	336	262.3	23	40.2	104	14.7
Montana	3	221.4	2	21.5	5	3.8
Nebraska	30	164.9	12	24.8	23	9.9
Nevada	136	304.0	86	48.2	55	35.0
New Hampshire	6	151.6	9	79.4	8	4.5
New Jersey	428	223.7	268	82.9	83	12.5
New Mexico	13	196.1	61	30.9	13	15.1
New York	1,302	284.4	1,007	154.2	208	13.9
North Carolina	923	237.6	115	53.4	155	16.9
North Dakota	10	213.4	2	31.1	6	5.8
Ohio	595	228.4	67	68.1	191	14.3
Oklahoma	80	143.3	22	23.0	71	19.9
Oregon	16	112.8	34	27.4	51	12.9
Pennsylvania	742	297.4	178	86.6	176	13.2
Rhode Island	27	218.4	16	44.6	20	18.3
South Carolina	491	208.8	40	67.4	82	18.4

Table 12. Adolescents and young adults living with diagnosed HIV infection, by selected races/ethnicities and area of residence, year-end 2018—United States and 6 dependent areas (cont)

Area of residence	Black/African American		Hispanic/Latino ^a		White	
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
South Dakota	4	110.0	5	66.2	1	0.9
Tennessee	488	238.8	30	38.8	121	17.1
Texas	1,702	279.3	1,422	61.7	373	23.1
Utah	21	256.7	28	27.6	31	6.8
Vermont	6	259.1	2	64.2	8	8.9
Virginia	527	191.5	91	57.3	96	12.8
Washington	90	182.3	61	28.9	86	13.2
West Virginia	10	85.7	4	65.8	33	14.1
Wisconsin	149	201.8	31	34.2	42	6.1
Wyoming	5	385.8	2	17.0	3	4.3
Subtotal	18,122	252.6	7,269	61.2	4,434	16.3
U.S. dependent areas^c						
American Samoa	0	—	0	—	0	—
Guam	0	—	0	—	0	—
Northern Mariana Islands	0	—	0	—	0	—
Puerto Rico	0	—	309	—	0	—
Republic of Palau	0	—	0	—	0	—
U.S. Virgin Islands	4	—	1	—	2	—
Subtotal	4	—	310	—	2	—
Total	18,126	—	7,579	—	4,436	—

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. Data for the year 2018 are considered preliminary and are based on death data reported to the Centers for Disease Control and Prevention through December 2019.

^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.