



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL AND PREVENTION

Prevalence of HIV in the United States and 6 Territories and Freely Associated States, 2022

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Contents

Gu	ide to Acronyms and Initialisms	7
Co	mmentary	8
	tional Profile	10
	ecial Focus Profiles	33
-	Gay, Bisexual, and Other Men Who Have Sex With Men	34
	Persons Who Inject Drugs	38
	ransgender and Additional Gender Identity Persons	43
	Vomen	46
	Persons Residing in the Southern Region of the United States	52
	Persons Aged 13–24 Years	58
	Children Aged <13 Years and Perinatal Transmission	61
	chnical Notes	67
	ferences	77
	Additional Resources	79
	Suggested Readings	79
C	COVID-19 Suggested Readings	79
Fig	ures in the National Profile	
	Section 1 HIV Diagnoses	
1	Diagnoses of HIV among persons aged ≥13 years, 2022—United States and 6 territories and freely	11
	associated states	
2	Diagnoses of HIV among persons aged ≥13 years, by gender, 2018–2022—United States and 6 territories and	12
	freely associated states	
3	Diagnoses of HIV among persons aged ≥13 years, by age at diagnosis, 2018–2022—United States and 6 territories and freely associated states	13
4	Rates and disparities of diagnoses of HIV among persons aged ≥13 years, by selected characteristics, 2022—	14
•	United States	
5	Diagnoses of HIV among persons aged ≥13 years, by race/ethnicity, 2018–2022—United States and	15
-	6 territories and freely associated states	10
6	Diagnoses of HIV and population among persons aged ≥13 years, by race/ethnicity, 2022—United States	16
7	Absolute and relative disparities of diagnoses of HIV among persons aged ≥13 years, by race/ethnicity, 2018–	17
	2022—United States	
8	Diagnoses of HIV among persons aged ≥13 years, by sex assigned at birth and transmission category, 2018–	18
	2022—United States and 6 territories and freely associated states	
	Section 2 Deaths after an HIV Diagnosis	
9		20
	freely associated states	
10	Deaths (any cause) of persons aged ≥13 years with diagnosed HIV, by selected characteristics, 2022—	22
	United States and 6 territories and freely associated states	
11	Rates and disparities of deaths (any cause) of persons aged ≥13 years with diagnosed HIV, by selected	23
	characteristics, 2022—United States	
12	HIV-related deaths of persons aged ≥13 years with diagnosed HIV, by selected characteristics, 2022—United	27
	States and 6 territories and freely associated states	
13	Rates and disparities of HIV-related deaths of persons aged ≥13 years with diagnosed HIV, by selected characteristics, 2022—United States	28
	Section 3 Persons Living with Diagnosed HIV (Prevalence)	
14	Persons aged ≥13 years living with diagnosed HIV, year-end 2022—United States and 6 territories and freely associated states	30
15	Persons aged ≥13 years living with diagnosed HIV, by sex assigned at birth and race/ethnicity, year-end	32
13	2022—United States and 6 territories and freely associated states	34

Figures in the Special Focus Profiles Section 1 Gay, Bisexual, and Other Men Who Have Sex With Men Diagnoses of HIV among males, based on sex assigned at birth, attributed to male-to-male sexual contact, by 16 35 age group, 2018–2022—United States and 6 territories and freely associated states 17 Diagnoses of HIV among males, based on sex assigned at birth, attributed to male-to-male sexual contact, by 36 selected characteristics, 2022—United States and 6 territories and freely associated states 18 Diagnoses of HIV among males, based on sex assigned at birth, attributed to male-to-male sexual contact, by 37 age group and race/ethnicity, 2022—United States and 6 territories and freely associated states 19 Diagnoses of HIV among males, based on sex assigned at birth, attributed to male-to-male sexual contact, by 38 region and race/ethnicity, 2022—United States and 6 territories and freely associated states Section 2 Persons Who Inject Drugs Diagnoses of HIV attributed to injection drug use, by selected characteristics, 2022—United States and 6 40 territories and freely associated states Diagnoses of HIV attributed to injection drug use, by sex assigned at birth and race/ethnicity, 2022—United 21 41 States and 6 territories and freely associated states 22 Diagnoses of HIV attributed to injection drug use, by region and race/ethnicity, 2022—United States and 6 42 territories and freely associated states Section 3 Transgender and Additional Gender Identity Persons Diagnoses of HIV among transgender and additional gender identity persons aged ≥13 years, by selected 44 characteristics, 2022—United States and 6 territories and freely associated states Diagnoses of HIV among transgender and additional gender identity persons aged ≥13 years, by gender and 45 race/ethnicity, 2022—United States and 6 territories and freely associated states 25 Diagnoses of HIV among transgender and additional gender identity persons aged ≥13 years, by gender and 46 exposure category, 2022—United States and 6 territories and freely associated states Section 4 Women Diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, 2022—United States and 26 47 6 territories and freely associated states 27 Diagnoses of HIV and population among females aged ≥13 years, based on sex assigned at birth, by race/ 47 ethnicity, 2022—United States Rates and disparities of diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, by 28 49 selected characteristics, 2022—United States and 6 territories and freely associated states 29 Absolute and relative disparities of diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, by race/ethnicity and year of diagnosis, 2018–2022—United States 30 Diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, by transmission category and 51 race/ethnicity, 2022—United States and 6 territories and freely associated states Diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, by race/ethnicity and region, 31 2022—United States and 6 territories and freely associated states Section 5 Persons Residing in the Southern Region of the United States Diagnoses of HIV among persons aged ≥13 years, by region, 2022—United States and 6 territories and freely 53 32 associated states 33 Diagnoses of HIV and population among persons aged ≥13 years, by race/ethnicity, 2022—U.S. 53 Southern Region 34 Rates and disparities of diagnoses of HIV among persons aged ≥13 years, by selected characteristics, 2022— 55 U.S. Southern Region 35 Absolute and relative disparities of diagnoses of HIV among persons aged ≥13 years, by race/ethnicity and 56 vear of diagnosis, 2018–2022—U.S. Southern Region Diagnoses of HIV among persons aged ≥13 years, by sex assigned at birth, transmission category, and race/ 57 ethnicity, 2022—U.S. Southern Region Section 6 Persons Aged 13-24 Years Diagnoses of HIV among persons aged 13–24 years, by selected characteristics, 2022—United States and 6 37 59 territories and freely associated states 38 Rates and disparities of diagnoses of HIV among persons aged 13–24 years, by selected characteristics, 60 2022—United States Diagnoses of HIV among persons aged 13–24 years, by sex assigned at birth and transmission category, 61 2022—United States and 6 territories and freely associated states

	Section 7 Children Aged <13 Years	
40	Diagnoses of perinatally acquired HIV among children born during 2021—United States and 6 territories and freely associated states	62
41	Time of birthing person's HIV testing among children aged <13 years with diagnosed, perinatally acquired HV	63
42	and children exposed to HIV, birth years 2018–2021—United States and Puerto Rico	<i>(</i> 1
42 43	Diagnoses of HIV and population among children aged <13 years, by race/ethnicity, 2022—United States Children aged <13 years living with diagnosed HIV, year-end 2022—United States and 6 territories and freely associated states	64 65
44	Persons living with diagnosed, perinatally acquired HIV infection, year-end 2022—United States and 6	66
	territories and freely associated states	
Tabl	les in the National Profile	
	Section 1 HIV Diagnoses	
1a	Diagnoses of HIV infection, by year of diagnosis and selected characteristics, 2018–2022—United States	81
1b	Diagnoses of HIV infection, by year of diagnosis and selected characteristics, 2018–2022—United States and 6 territories and freely associated states	82
2a	Diagnoses of HIV infection, by race/ethnicity and selected characteristics, 2022—United States	83
	Diagnoses of HIV infection, by race/ethnicity and selected characteristics, 2022—United States and 6 territories and freely associated states	84
3a	Diagnoses of HIV infection among persons aged ≥13 years, by year of diagnosis, sex assigned at birth, and selected characteristics, 2018–2022—United States	85
3h	Diagnoses of HIV infection among persons aged ≥13 years, by year of diagnosis, sex assigned at birth, and	86
30	selected characteristics, 2018–2022—United States and 6 territories and freely associated states	80
4a	Diagnoses of HIV infection among transgender and additional gender identity persons, by year of diagnosis and selected characteristics, 2018–2022—United States	87
1h	Diagnoses of HIV infection among transgender and additional gender identity persons aged ≥13 years, by year	89
40	of diagnosis and selected characteristics, 2018–2022—United States and 6 territories and freely	09
_	associated states	0.1
Sa	Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and male-to-male sexual contact and injection drug use, by year of diagnosis and selected	91
	characteristics, 2018–2022—United States	
5b	Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and male-to-male sexual contact and injection drug use, by year of diagnosis and selected	95
	characteristics, 2018–2022—United States and 6 territories and freely associated states	
6a	Diagnoses of HIV infection attributed to injection drug use, by year of diagnosis, sex assigned at birth, race/ ethnicity, and selected characteristics, 2018–2022—United States	99
6b		103
	ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states	100
79	Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/	107
/ a	ethnicity, and selected characteristics, 2018–2022—United States	107
7h	Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/	111
70	ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states	111
0 -		115
	selected characteristics, 2022—United States	115
8b		116
9a		117
0.1	2022—United States	
	2022—United States and 6 territories and freely associated states	117
10a	Diagnoses of HIV infection among Hispanic/Latino persons aged ≥13 years, by transmission category and	118

HIV Surveillance Report 5 Vol. 35

119

10b Diagnoses of HIV infection among transgender and additional gender identity Hispanic/Latino persons aged

≥13 years, by place of birth and exposure category, 2022—United States and 6 territories and freely

place of birth, 2022—United States and 6 territories and freely associated states

associated states

11a	Section 2 Deaths after an HIV Diagnosis Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by	120
11b	year of death and selected characteristics, 2018–2022—United States Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year	128
12a	of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states Deaths of persons aged ≥13 years with diagnosed HIV infection, by year of death, sex assigned at birth, and	136
12b	selected characteristics, 2018–2022—United States Death of persons aged ≥13 years with diagnosed HIV infection, by year of death, sex assigned at birth, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states	138
13a	Deaths of persons with diagnosed HIV infection, by race/ethnicity and selected characteristics, 2022—United States	140
13b	Deaths of persons with diagnosed HIV infection, by race/ethnicity and selected characteristics, 2022— United States and 6 territories and freely associated states	142
14a	Deaths of transgender and additional gender identity persons aged ≥13 years with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States	144
14b	Deaths of transgender and additional gender identity persons aged ≥13 years with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states	146
	Section 3 Persons Living with Diagnosed HIV (Prevalence)	
	Persons living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States Persons living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States and 6 territories and freely associated states	
16a	Persons living with diagnosed HIV infection, by race/ethnicity and selected characteristics, year-end 2022— United States	152
16b	Persons living with diagnosed HIV infection, by race/ethnicity and selected characteristics, year-end 2022— United States and 6 territories and freely associated states	154
17a	Persons aged ≥13 years living with diagnosed HIV infection, by year, sex assigned at birth, and selected characteristics, 2018–2022—United States	156
17b	Persons aged ≥13 years living with diagnosed HIV infection, by year, sex assigned at birth, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states	158
	Transgender and additional gender identity persons aged ≥13 years living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States	160
	Transgender and additional gender identity persons aged ≥13 years living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States and 6 territories and freely associated states	162
	Persons aged 13–24 years living with diagnosed HIV infection, by age at end of year, sex assigned at birth, and selected characteristics, year-end 2022—United States	
19b	Persons aged 13–24 years living with diagnosed HIV infection, by age at end of year, sex assigned at birth, and selected characteristics, year-end 2022—United States and 6 territories and freely associated states	165
	Section 4 Data by Area of Residence	
20	Diagnoses of HIV infection, 2022, and persons living with diagnosed HIV infection (prevalence), year-end 2022, by area of residence—United States and 6 territories and freely associated states	166
21	Persons aged ≥13 years living with diagnosed HIV infection, by race/ethnicity and area of residence, year-end 2022—United States and 6 territories and freely associated states	
22	Diagnoses of HIV infection, 2022, and persons living with diagnosed HIV infection (prevalence), year-end 2022, by metropolitan statistical area of residence—United States and Puerto Rico	169
Web	Addresses for Reports of State and Local HIV Surveillance	172
App	pendix	173
	Diagnoses of HIV infection among persons aged ≥13 years, by area of residence, 2021 and 2022—Ending the HIV Epidemic Phase I jurisdictions	
A2	Persons aged ≥13 years living with diagnosed HIV infection, by race/ethnicity and area of residence, year-end	176

2022—Ending the HIV Epidemic Phase I jurisdictions

Guide to Acronyms and Initialisms

AGI additional gender identity

AIDS acquired immunodeficiency syndrome

CDC Centers for Disease Control and Prevention

COVID-19 coronavirus disease 2019

EHE Ending the HIV Epidemic in the U.S.

HHS U.S. Department of Health and Human Services

HIV human immunodeficiency virus

IDU injection drug use

MMSC male-to-male sexual contact

MSA metropolitan statistical area

MSM gay, bisexual, and other men who have sex with men

NHAS National HIV/AIDS Strategy

NHSS National HIV Surveillance System

NIR no identified risk factor

OI opportunistic illness

OMB Office of Management and Budget

PrEP preexposure prophylaxis

PWID persons who inject drugs

SAAB sex assigned at birth

SDOH social determinants of health

STD sexually transmitted disease

TB tuberculosis

Commentary



OVERVIEW

The Centers for Disease Control and Prevention (CDC) collects, analyzes, and disseminates surveillance data on HIV; these data are one of the nation's primary sources of information on HIV in the United States. The annual surveillance report, published by CDC, summarizes information about diagnosed HIV in the United States and 6 territories and freely associated states. HIV surveillance data are used by CDC and their public health partners in other federal agencies, health departments, nonprofit organizations, academic institutions, and the public to help focus prevention efforts; plan services; allocate resources; develop policy; detect, monitor, and intervene in HIV clusters; and monitor trends in HIV. Data in this report may be used to accelerate action to reach disproportionately affected populations and achieve national goals outlined in Healthy People 2030 [1], the National HIV/AIDS Strategy (NHAS) (2022–2025) [2], the Ending the HIV Epidemic in the U.S. (EHE) initiative [3], and the U.S. Playbook to Address Social Determinants of Health (the Playbook) [4].

Numbers, percentages, and rates of HIV diagnoses during 2022 are based on data from all 50 states, the District of Columbia, and 6 territories and freely associated states (American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the Republic of Palau, and the U.S. Virgin Islands). Data for 2022 and additional data stratifications and years are available via NCHHSTP AtlasPlus, available at https://gis.cdc.gov/grasp/nchhstpatlas/main.html. NCHHSTP AtlasPlus is an interactive tool that gives users the ability to create customized tables, maps, and charts using CDC's surveillance data on HIV, viral hepatitis, sexually transmitted diseases, and tuberculosis. AtlasPlus also provides access to indicators on social determinants of health (SDOH). Data on stage 3 (AIDS) classifications can be found in the Stage 3 (AIDS) classification slide set (for cumulative data through the most recent year), available at https://www.cdc.gov/hiv-data/resources/index.html, and in AtlasPlus.

REPORT CHANGES

- Death data are now presented for HIV-related and non-HIV-related deaths
- Terminology was updated for the following:
 - o Gender identity labels (i.e., "Male" updated to "Man"; "Female" updated to "Woman")
 - o "Mother" updated to "Birthing Person"
 - o "U.S. dependent areas" updated to "U.S. territories and freely associated states"
- Age groups were expanded to "≥75 years"

National Profile

Data presented in this report are based on case data reported to CDC through December 31, 2023. The data are provisional with a 12-month reporting delay for the assessment of diagnoses, deaths, and prevalence for the year 2022. The statements in this section, unless otherwise indicated, are based on 12 or more cases. All rates are per 100,000 population. The standard used for reporting changes in numbers and rates is an increase or a decrease of 5% or more based on the relative percentage change when comparing data for the year 2022 to data for the year 2018. The exceptions to this standard are where numbers are small (i.e., less than 12) or rates are based on small numbers. Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

Data for the year 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. There was underdiagnosis of HIV in the United States in 2020 due to disruptions in clinical care services, patient hesitancy in accessing clinical services, and shortages in HIV testing reagents/materials with the onset of the COVID-19 pandemic [5–10]. During 2021, the overall number of HIV diagnoses (35,724) partially rebounded and was 18% higher than in 2020 [11]. The partial rebound may be due to the identification and reporting of HIV diagnoses missed in 2020; however, a larger percentage increase was expected [12]. In 2022, reporting of HIV diagnoses was 5% higher than in 2021. Based on pre-pandemic data, an increase in diagnoses of 2%–3% is expected each year. As the COVID-19 pandemic lasted beyond 2020, readers should consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for years 2021–2022. Deaths in 2020 and beyond should be interpreted considering the impact of the COVID-19 pandemic. For additional information, see https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess deaths.htm.

Important notes

- When presenting rates by race/ethnicity, data are only provided for the United States (50 states and the District of Columbia) because denominator data are not available by race/ethnicity for all U.S. territories and freely associated states.
- Please use caution when interpreting data for additional gender identity (AGI) persons, transgender men, American Indian/Alaska Native persons, and Native Hawaiian/other Pacific Islander persons as many percentages and/or rates are based on small numbers.
- Assessment of trends in HIV diagnoses, deaths, and prevalence that include data for the year 2020 should be interpreted with caution. See COVID-19 Suggested Readings for additional information on COVID-19 and HIV.
- For disparity measures, reference groups are based on the rate of the lowest group with more than 5 percent of cases.
- Please read all titles and footnotes carefully to ensure a complete understanding of the displayed data. See Technical Notes for information on definitions and data specifications. Please note important, actionable findings are called to attention with the exclamation icon and key points with the magnifying glass icon.

Vol. 35

DIAGNOSES

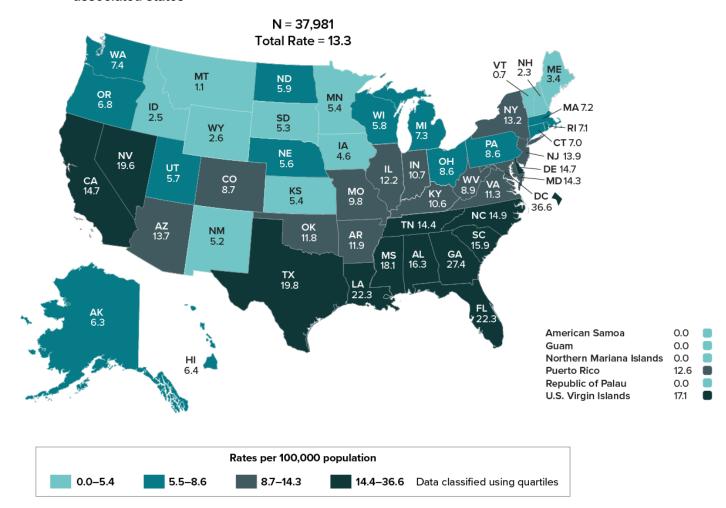
HIV Diagnoses

In 2022 in the United States and 6 territories and freely associated states, HIV diagnoses were as follows:

- Annual number and rate—stable when compared to 2018 (Table 1b)
- Overall total—38,043 diagnoses (persons aged ≥13 years: 37,981) (Tables 1b and 3b)
- Overall rate—11.3 (persons aged ≥13 years: 13.3) (Figure 1, Tables 1b and 3b)



Figure 1. Diagnoses of HIV among persons aged ≥13 years, 2022—United States and 6 territories and freely associated states



Gender

In 2022, compared with 2018, changes in the numbers of HIV diagnoses among persons aged \geq 13 years were as follows (Figure 2):

- Increase—transgender women (25%), transgender men (23%), and AGI persons (154%)
- Decrease—none
- Stable—men and women

In 2022, numbers and percentages of HIV diagnoses were as follows (Table 1b):

- Men—30,041 (79%)
- Women—7,008 (18%)
- Transgender women/girls—869 (2%)
- Transgender men/boys—59 (<1%)
- AGI—66 (<1%)

Figure 2. Diagnoses of HIV among persons aged ≥13 years, by gender, 2018–2022—United States and 6 territories and freely associated states



Note. "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man. Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

Age group

In 2022, compared with 2018, changes in rates of HIV diagnoses among persons aged \geq 13 years were as follows (Figure 3):

- Increase—persons aged 25–34 (6%) and 35–44 years (10%)
- Decrease—persons aged 13–24 (-14%), 45–54 (-10%), and 65–74 (-8%) years
- Stable—persons aged 55–64 and ≥75 years

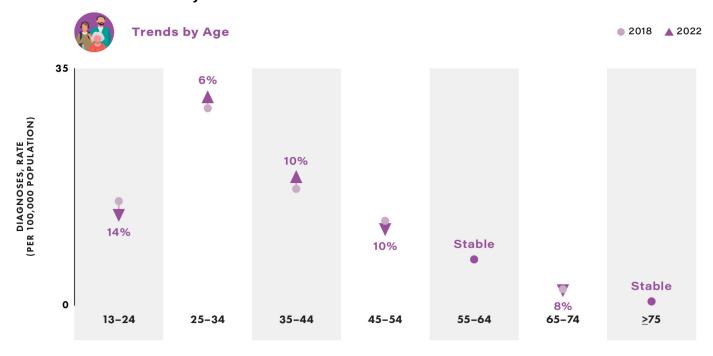
In 2022, numbers and percentages of HIV diagnoses among persons aged ≥13 years were as follows (Figure 3):

- 13–24 years—7,099 (19%)
- 25–34 years—14,160 (37%)
- 35–44 years—8,367 (22%)
- 45–54 years—4,576 (12%)
- 55–64 years—2,886 (8%)
- 65–74 years—754 (2%)
- \geq 75 years—139 (<1%)



For additional data by 5-year age groups, see Table 3b.

Figure 3. Diagnoses of HIV among persons aged ≥13 years, by age at diagnosis, 2018–2022—United States and 6 territories and freely associated states



Rates among persons aged ≥ 13 years (United States only) (Figure 4)

- Highest: persons aged 25–34 years (30.8)
- Lowest: persons aged ≥ 75 years (0.6)

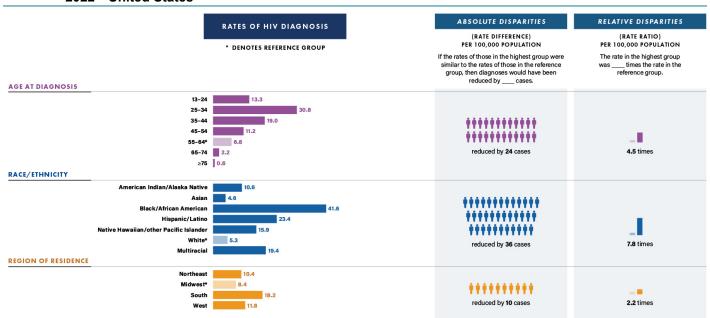


For additional data by 5-year age groups, see Table 3a.

Disparities by age group (Figure 4)

- Absolute disparity (rate difference)—If the rate of HIV diagnoses among persons aged 25–34 years (30.8) was similar to the rate among persons aged 55–64 years (6.8), then diagnoses would have been reduced by 24 cases per 100,000 population.
- Relative disparity (rate ratio)—The rate of diagnoses among persons aged 25–34 years was 4.5 times the rate among persons aged 55–64 years.

Figure 4. Rates and disparities of diagnoses of HIV among persons aged ≥13 years, by selected characteristics, 2022—United States



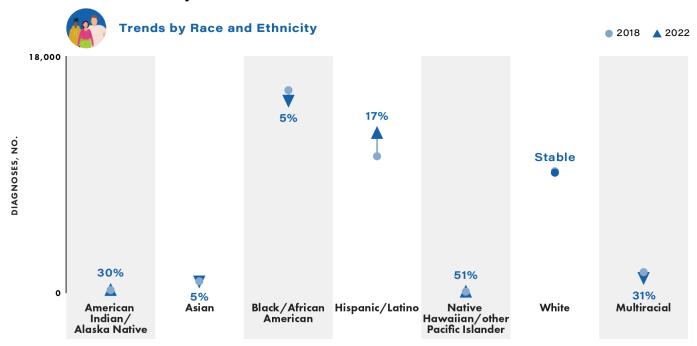
Note. Rates are per 100,000 population. Reference groups are based on the rate of the lowest group with >5% of cases. Hispanic/Latino persons can be of any race. Absolute disparity (rate difference) measures the difference between rates in groups with the highest rates and a reference group (Rate_{highest group}-Rate_{reference group}). Relative disparity (rate ratio) measures the rates in groups with the highest rates divided by a reference group (Rate_{highest group} ÷ Rate_{reference group}).

Race/ethnicity

In 2022, compared with 2018, changes in numbers of HIV diagnoses among persons aged \geq 13 years were as follows (Figure 5):

- Increase—American Indian/Alaska Native (30%), Hispanic/Latino (17%), and Native Hawaiian/other Pacific Islander (51%)
- Decrease—Asian (-5%), Black/African American (-5%), and multiracial (-31%)
- Stable—White

Figure 5. Diagnoses of HIV among persons aged ≥13 years, by race/ethnicity, 2018–2022—United States and 6 territories and freely associated states



Note. Hispanic/Latino persons can be of any race.

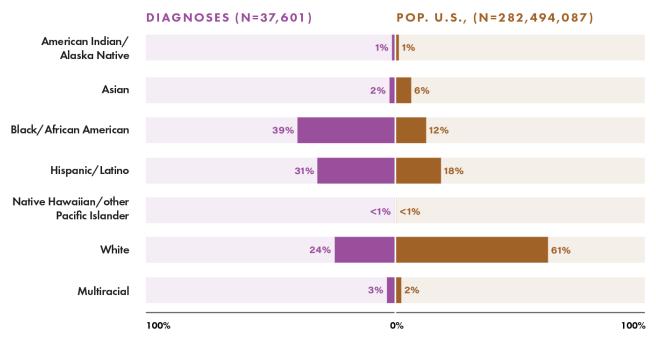
In 2022, numbers and percentages of HIV diagnoses among persons aged ≥13 years were as follows (Figure 6):

- American Indian/Alaska Native—215 (1%)
- Asian—795 (2%)
- Black/African American—14,546 (39%)
- Hispanic/Latino—11,804 (31%)
- Native Hawaiian/other Pacific Islander—83 (<1%)
- White—9,102 (24%)
- Multiracial—1,056 (3%)



For percentages by race/ethnicity and U.S. population, see Figure 6.

Figure 6. Diagnoses of HIV and population among persons aged ≥13 years, by race/ethnicity, 2022— United States



Note. Hispanic/Latino persons can be of any race.

Rates among persons aged ≥ 13 years (United States only) (Figure 4)

- Highest—Black/African American (41.6)
- Lowest—Asian (4.6)

Disparities by race/ethnicity (Figure 4)

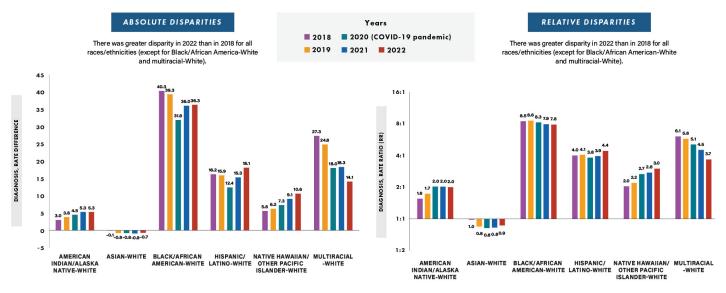
- Absolute disparity (rate difference)—If the rate of HIV diagnoses among Black/African American persons aged ≥13 years (41.6) was similar to the rate among White persons aged ≥13 years (5.3), then diagnoses would have been reduced by 36 cases per 100,000 population.
- Relative disparity (rate ratio)—The rate of diagnoses among Black/African American persons aged ≥ 13 years was 7.8 times the rate among White persons aged ≥ 13 years.

Changes in disparities by race/ethnicity

In 2022, compared with 2018, changes in rates of HIV diagnoses by race/ethnicity among persons aged \geq 13 years were as follows (Figure 7):

- Absolute disparity (rate difference)—for the difference between the rate of HIV diagnoses among a select race/ethnicity minus the rate among White persons, there was a wider gap (or greater disparity) in 2022 than 2018 for all races/ethnicities except for Black/African American—White and multiracial—White.
- Relative disparity (rate ratio)—for the rates of HIV diagnoses among a select race/ethnicity divided by the rates among White persons, there was greater disparity in 2022 than in 2018 for all races/ethnicities (except for Black/African American–White and multiracial–White).

Figure 7. Absolute and relative disparities of diagnoses of HIV among persons aged ≥13 years, by race/ ethnicity, 2018–2022—United States



Note. The data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022. Hispanic/Latino persons can be of any race. Absolute disparity (rate difference) measures the difference between rates among a select race/ethnicity and rates among White persons (Rate_{select race/ethnicity} – Rate_{White persons}). Relative disparity (rate ratio) measures the rates among a select race/ethnicity and rates among White persons (Rate_{select race/ethnicity} ÷ Rate_{White persons}).

Sex assigned at birth (SAAB) and transmission category

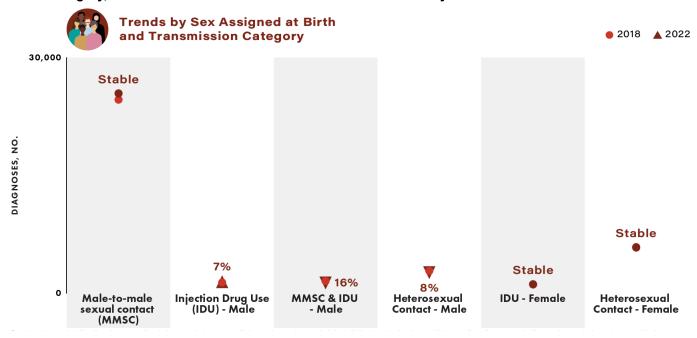
In 2022, compared with 2018, changes in numbers of HIV diagnoses among persons aged \geq 13 years were as follows (Figure 8, Table 1b):

- Increase—males with HIV attributed to injection drug use (IDU) (7%)
- Decrease—males with HIV attributed to male-to-male sexual contact *and* injection drug use (MMSC *and* IDU) (-16%) and males with HIV attributed to heterosexual contact (-8%)
- Stable—males with HIV attributed to male-to-male sexual contact (MMSC), females with HIV attributed to IDU, and females with HIV attributed to heterosexual contact

In 2022, percentages of HIV diagnoses among persons aged ≥13 years were as follows—highest percentages (Table 1b):

- Overall—MMSC (67%)
- Male—MMSC (82%)
- Female—heterosexual contact (83%)

Figure 8. Diagnoses of HIV among persons aged ≥13 years, by sex assigned at birth and transmission category, 2018–2022—United States and 6 territories and freely associated states



Note. Data have been statistically adjusted to account for missing transmission category. Male-to-male sexual contact includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact). Injection drug use includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers). Heterosexual contact includes heterosexual contact with a person known to have, or with a risk factor for, HIV.

Gender and exposure category

In 2022, compared with 2018, changes in numbers of HIV diagnoses among persons aged \geq 13 years were as follows (Table 4b):

- Increase—transgender women (24%), transgender men (33%), and AGI (136%) with HIV attributed to sexual contact
- Decrease—none
- Stable—transgender women with HIV attributed to sexual contact and IDU

In 2022, percentages of HIV diagnoses among persons aged ≥13 years were as follows—highest percentages (Table 4b):

- Transgender women—sexual contact (89%)
- Transgender men—sexual contact (90%)
- AGI—sexual contact (89%)

Region of residence

In 2022, compared with 2018, percent changes in rates of HIV diagnoses among all persons were as follows (Table 1b):

- Increase—none
- Decrease—Northeast (-10%), and U.S. territories and freely associated states (-19%)
- Stable— Midwest, South, and West

In 2022, numbers and percentages of HIV diagnoses among all persons were as follows (Table 1b):

- Northeast—5,080 (13%)
- Midwest—4,903 (13%)
- South—19,822 (52%)
- West—7,858 (21%)
- U.S. territories and freely associated states—380 (1%)

Rates among persons aged ≥ 13 years (United States only) (Figure 4)

- Highest—South (18.2)
- Lowest—Midwest (8.4)

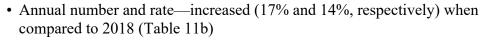
Disparities by region (Figure 4)

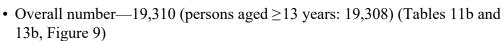
- Absolute disparities (rate difference)—If the rate of HIV diagnoses among persons in the South (18.2) was similar to the rate among persons in the Midwest (8.4), then diagnoses would have been reduced by 10 cases per 100,000 population.
- Relative disparities (rate ratio)—The rate of diagnoses among persons in the South was 2.2 times the rate among persons in the Midwest.

DEATHS

Deaths (Any Cause) of Persons with Diagnosed HIV

In 2022 in the United States and 6 territories and freely associated states, deaths (any cause) among persons with diagnosed HIV were as follows:





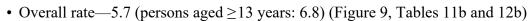
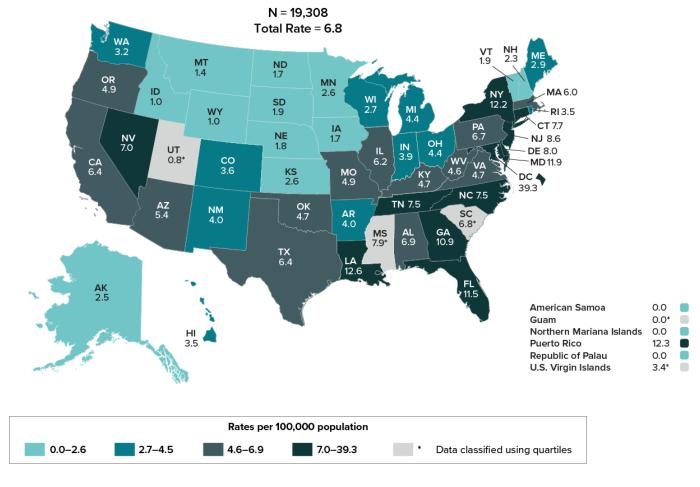




Figure 9. Deaths (any cause) of persons aged ≥13 years with diagnosed HIV, 2022—United States and 6 territories and freely associated states



Note. Deaths of persons with a diagnosis of HIV may be due to any cause. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Asterisk (*) indicates incomplete ascertainment of deaths.

Gender

In 2022, compared with 2018, changes in numbers of deaths (any cause) among persons with diagnosed HIV were as follows (Table 11b):

- Increase—men (17%), women (12%), and transgender women/girls (99%)
- Decrease—none
- Stable—none

In 2022, numbers and percentages of deaths (any cause) among persons with diagnosed HIV were as follows (Table 11b):

- Men—14,532 (75%)
- Women—4,522 (23%)
- Transgender women/girls—243 (1%)
- Transgender men/boys—7 (<1%)
- AGI—6 (<1%)

Age group

In 2022, compared with 2018, changes in rates of deaths (any cause) among persons with diagnosed HIV were as follows (Table 11b):

- Increase—persons aged 25–29 (22%), 30–34 (39%), 35–39 (29%), 40–44 (24%), 55–59 (7%), 60–64 (20%), 65–69 (33%), 70–74 (45%), and ≥75 (42%) years
- Decrease—persons aged 20–24 (-17%), 45–49 (-13%), and 50–54 (-22%) years
- Stable—none

In 2022, numbers and percentages of deaths (any cause) among persons aged \geq 13 years with diagnosed HIV were as follows (Figure 10):

- 13–24 years—124 (1%)
- 25–34 years—1,403 (7%)
- 35–44 years—2,436 (13%)
- 45–54 years—3,420 (18%)
- 55–64 years—6,248 (32%)
- 65–74 years—4,190 (22%)
- \geq 75 years—1,487 (8%)



For additional data by 5-year age groups, see Table 11b.

Rates among persons aged ≥ 13 years (United States only) (Figure 11)

- Highest—persons aged 55–64 years (14.5)
- Lowest—persons aged 13–24 years (0.2)



For additional data by 5-year age groups, see Table 11a.

Disparities by age group (Figure 11)

- Absolute disparity (rate difference)—If the rate of deaths (any cause) among persons aged 55–64 (14.5) years with diagnosed HIV was similar to the rate among persons aged 25–34 years (3.1), then deaths (any cause) would have been reduced by 11 per 100,000 population.
- Relative disparity (rate ratio)—The rate of death (any cause) among persons aged 55–64 years was 4.7 times the rate among persons aged 25–34 years.

Race/ethnicity

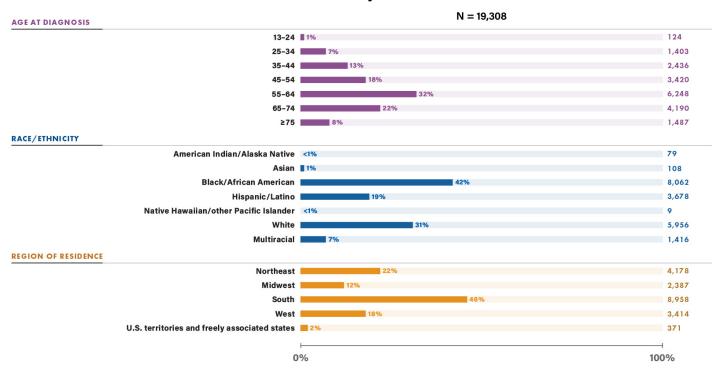
In 2022, compared with 2018, changes in numbers of deaths (any cause) among persons with diagnosed HIV were as follows (Table 11b):

- Increase—American Indian/Alaska Native (63%), Asian (29%), Black/African American (15%), Hispanic/Latino (15%), White (16%), and multiracial (30%)
- Decrease—none
- Stable—none

In 2022, numbers and percentages of deaths (any cause) among persons aged \geq 13 years with diagnosed HIV were as follows (Figure 10):

- American Indian/Alaska Native—79 (<1%)
- Asian—108 (1%)
- Black/African American—8,062 (42%)
- Hispanic/Latino—3,678 (19%)
- Native Hawaiian/other Pacific Islander—9 (<1%)
- White—5,956 (31%)
- Multiracial—1,416 (7%)

Figure 10. Deaths (any cause) of persons aged ≥13 years with diagnosed HIV, by selected characteristics, 2022—United States and 6 territories and freely associated states



Note. Deaths of persons with a diagnosis of HIV may be due to any cause. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Asian includes Asian/Pacific Islander legacy cases. Hispanic/Latino persons can be of any race.

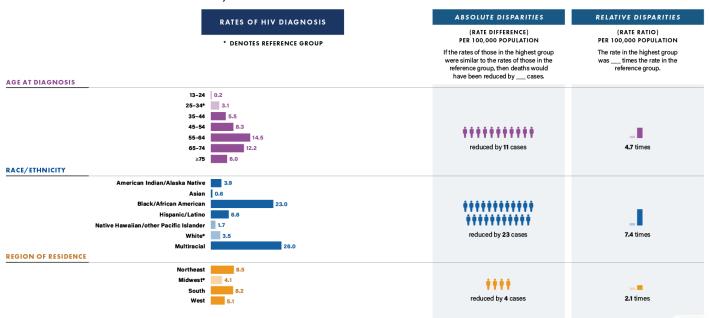
Rates among persons aged ≥ 13 years (United States only) (Figure 11)

- Highest—multiracial (26.0)
- Lowest—Asian (0.6)

Disparities by race/ethnicity

- Absolute disparity (rate difference)—If the rate of deaths (any cause) among multiracial persons aged ≥13 years (26.0) with diagnosed HIV was similar to the rate among White persons aged ≥13 years (3.5), then deaths (any cause) would have been reduced by 23 per 100,000 population.
- Relative disparity (rate ratio)—The rate of death (any cause) among multiracial persons aged ≥13 years was 7.4 times the rate among White persons aged ≥13 years.

Figure 11. Rates and disparities of deaths (any cause) of persons aged ≥13 years with diagnosed HIV, by selected characteristics, 2022—United States



Note. Deaths of persons with a diagnosis of HIV may be due to any cause. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Rates are per 100,000 population. Reference groups are based on the rate of the lowest group with >5% of cases. Asian includes Asian/Pacific Islander legacy cases. Hispanic/Latino persons can be of any race. Striped bars indicate rates based on small numbers (i.e., less than 12 diagnoses) and should be interpreted with caution. Absolute disparity measures the difference between rates in groups with the highest rates and a reference group (Rate_{highest group} – Rate_{reference group}). Relative disparity (rate ratio) measures the rates in groups with the highest rates divided by a reference group (Rate_{highest group} ÷ Rate_{reference group}).

SAAB and transmission category

In 2022, compared with 2018, changes in numbers of deaths (any cause) among persons aged \geq 13 years with diagnosed HIV were as follows (Table 11b):

- Increase—MMSC (27%), heterosexual contact (male [11%]; female [13%]), MMSC and IDU (16%), and IDU (female [8%])
- Decrease—none
- Stable— IDU (male)

In 2022, percentages of deaths (any cause) among persons aged ≥13 years with diagnosed HIV were as follows—highest percentages (Table 11b):

- Overall—MMSC (46%)
- Male—MMSC (60%)
- Female—heterosexual contact (66%)

Gender and exposure category

In 2022, compared with 2018, changes in numbers of deaths (any cause) among persons aged \geq 13 years with diagnosed HIV were as follows (Table 14b):

- Increase—transgender women with HIV attributed to sexual contact (120%) and sexual contact *and* IDU (38%)
- Decrease—none
- Stable—none

In 2022, percentages of deaths (any cause) among persons aged ≥13 years with diagnosed HIV were as follows—highest percentages (Table 14b):

- Transgender women—sexual contact (73%)
- Transgender men—sexual contact (57%)
- AGI—sexual contact (100%)

Region of residence

In 2022, compared with 2018, changes in rates of deaths (any cause) among persons with diagnosed HIV were as follows (Table 11b):

- Increase—Northeast (16%), Midwest (21%), South (11%), and West (19%)
- Decrease—none
- Stable—U.S. territories and freely associated states

In 2022, numbers and percentages of deaths (any cause) among persons with diagnosed HIV were as follows (Table 11b):

- Northeast—4,178 (22%)
- Midwest—2,387 (12%)
- South—8,959 (46%)
- West—3,415 (18%)
- U.S. territories and freely associated states—371 (2%)

Rates among persons aged ≥ 13 years (United States only) (Figure 11)

- Highest—Northeast (8.5)
- Lowest—Midwest (4.1)

Disparities by region

- Absolute disparities (rate difference)—If the rate of death (any cause) among persons in the Northeast (8.5) with diagnosed HIV was similar to the rate among persons in the Midwest (4.1), then deaths (any cause) would have been reduced by 4 per 100,000 population.
- Relative disparities (rate ratio)—The rate of death (any cause) among persons in the Northeast was 2.1 times the rate among persons in the Midwest.

HIV-related Deaths of Persons with Diagnosed HIV

In 2022 in the United States and 6 territories and freely associated states, HIV-related deaths among persons with diagnosed HIV were as follows:

- Annual number and rate—decreased (-19% and -25%, respectively) when compared with 2018 (Table 11b)
- Overall number and rate—4,243 and 1.3, respectively (Table 11b).

Gender

In 2022, compared with 2018, changes in numbers of HIV-related deaths among persons with diagnosed HIV were as follows (Table 11b):

- Increase—transgender women/girls (20%)
- Decrease—men (-17%), women (-27%),
- Stable—none

In 2022, numbers and percentages of HIV-related deaths among persons with diagnosed HIV were as follows (Table 11b):

- Men—3,220 (76%)
- Women—967 (23%)
- Transgender women/girls—54 (1%)
- Transgender men/boys—2 (<1%)
- AGI—0 (0%)

Age group

In 2022, compared with 2018, changes in rates of HIV-related deaths among persons with diagnosed HIV were as follows (Table 11b):

- Increase—persons aged 70–74 (6%) and \geq 75 (9%) years
- Decrease—persons aged 20–24 (-67%), 25–29 (-25%), 30–34 (-8%), 35–39 (-13%), 40–44 (-11%), 45–49 (-32%), 50–54 (-45%), 55–59 (-29%), 60–64 (-18%) years
- Stable—persons aged 65–69 years

In 2022, numbers and percentages of HIV-related deaths among persons aged \geq 13 years with diagnosed HIV were as follows (Figure 12):

- 13–24 years—34 (1%)
- 25–34 years—401 (10%)
- 35–44 years—679 (16%)
- 45–54 years—831 (20%)
- 55–64 years—1,220 (29%)
- 65–74 years—783 (18%)
- \geq 75 years—294 (7%)



For additional data by 5-year age groups, see Table 11b.

Rates among persons aged ≥ 13 years (United States only) (Figure 13)

- Highest—persons aged 55–64 years (2.8)
- Lowest—persons aged 13–24 years (0.1)



For additional data by 5-year age groups, see Table 11a.

Disparities by age group (Figure 13)

- Absolute disparity (rate difference)—If the rate of HIV-related deaths among persons aged 55–64 years (2.8) with diagnosed HIV was similar to the rate among persons aged 25–34 years (0.9), then deaths would have been reduced by 2 per 100,000 population.
- Relative disparity (rate ratio)—The rate of HIV-related death among persons aged 55–64 years was 3.1 times the rate among persons aged 25–34 years.

Race/ethnicity

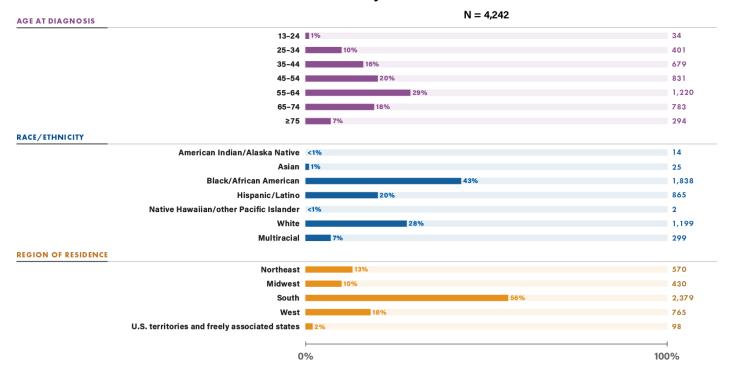
In 2022, compared with 2018, changes in numbers of HIV-related deaths among persons with diagnosed HIV were as follows (Table 11b):

- Increase—none
- Decrease—American Indian/Alaska Native (-17%), Black/African American (-21%), Hispanic/Latino (-17%), White (-19%), and multiracial (-16%)
- Stable—Asian

In 2022, numbers and percentages of HIV-related deaths among persons aged \geq 13 years with diagnosed HIV were as follows (Figure 12):

- American Indian/Alaska Native—14 (<1%)
- Asian—25 (1%)
- Black/African American—1,838 (43%)
- Hispanic/Latino—865 (20%)
- Native Hawaiian/other Pacific Islander—2 (<1%)
- White—1,199 (28%)
- Multiracial—299 (7%)

Figure 12. HIV-related deaths of persons aged ≥13 years with diagnosed HIV, by selected characteristics, 2022—United States and 6 territories and freely associated states



Note. HIV-related deaths include deaths with an underlying cause with an International Classification of Diseases, Tenth Revision code of B20–B24, O98.7, or R75. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Asian includes Asian/Pacific Islander legacy cases. Hispanic/Latino persons can be of any race.

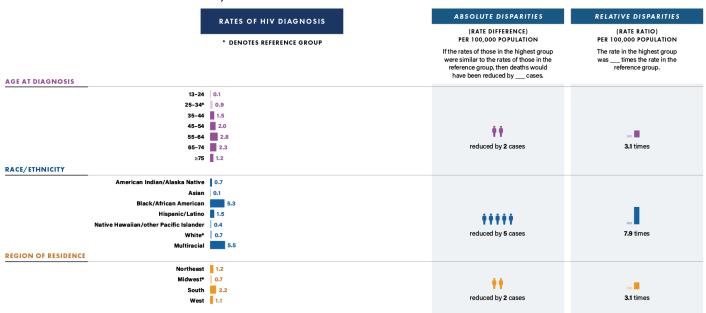
Rates among persons aged ≥ 13 years (United States only) (Figure 13)

- Highest—multiracial (5.5)
- Lowest—Asian (0.1)

Disparities by race/ethnicity (Figure 13)

- Absolute disparity (rate difference)—If the rate of HIV-related deaths among multiracial persons (5.5) aged ≥13 years with diagnosed HIV was similar to the rate among White persons aged ≥13 years (0.7), then HIV-related deaths would have been reduced by 5 per 100,000 population.
- Relative disparity (rate ratio)—The rate of HIV-related death among multiracial persons aged ≥13 years was 7.9 times the rate among White persons aged ≥13 years.

Figure 13. Rates and disparities of HIV-related deaths of persons aged ≥13 years with diagnosed HIV, by selected characteristics, 2022—United States



Note. HIV-related deaths include deaths with an underlying cause with an International Classification of Diseases, Tenth Revision code of B20–B24, O98.7, or R75. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Rates are per 100,000 population. Reference groups are based on the rate of the lowest group with >5% of cases. Asian includes Asian/Pacific Islander legacy cases. Hispanic/Latino persons can be of any race. Striped bars indicate rates based on small numbers (i.e., less than 12 diagnoses) and should be interpreted with caution. Absolute disparity measures the difference between rates in groups with the highest rates and a reference group (Ratehighest group—Ratereference group). Relative disparity (rate ratio) measures the rates in groups with the highest rates divided by a reference group (Ratehighest group ÷ Ratereference group).

SAAB and transmission category

In 2022, compared with 2018, changes in numbers of HIV-related deaths among persons aged \geq 13 years with diagnosed HIV were as follows (Table 11b):

- Increase—none
- Decrease—MMSC (-9%), heterosexual contact (male [-24%]; female [-25%]), MMSC and IDU (-29%), and IDU (male [-29%]; female [-33%])
- Stable—none

In 2022, percentages of HIV-related deaths among persons aged ≥13 years with diagnosed HIV were as follows—highest percentages (Table 11b):

- Overall—MMSC (49%)
- Male—MMSC (64%)
- Female—heterosexual contact (70%)

Region of residence

In 2022, compared with 2018, changes in rates of HIV-related deaths among persons with diagnosed HIV were as follows (Table 11b):

- Increase—none
- Decrease—Northeast (-38%), Midwest (-33%), South (-18%), West (-9%), and U.S. territories and freely associated states (-31%)
- Stable—none

In 2022, numbers and percentages of HIV-related deaths among persons with diagnosed HIV were as follows (Table 11b):

- Northeast—570 (13%)
- Midwest—430 (10%)
- South—2,379 (56%)
- West—766 (18%)
- U.S. territories and freely associated states—98 (2%)

Rates among persons aged ≥ 13 years (United States only) (Figure 13)

- Highest—South (2.2)
- Lowest—Midwest (0.7)

Disparities by region

- Absolute disparities (rate difference)—If the rate of HIV-related death among persons in the South (2.2) with diagnosed HIV was similar to the rate among persons in the Midwest (0.7), then HIV-related deaths would have been reduced by 2 per 100,000 population.
- Relative disparities (rate ratio)—The rate of HIV-related death among persons in the South was 3.1 times the rate among persons in the Midwest.

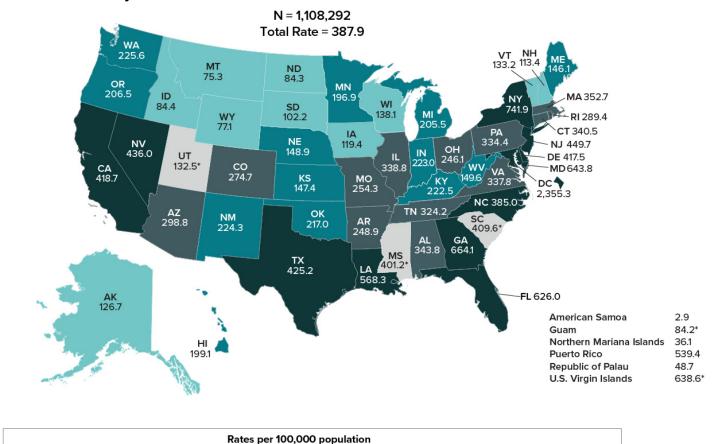
PREVALENCE

Persons living with diagnosed HIV

At year-end 2022 in the United States and 6 territories and freely associated states, persons living with diagnosed HIV were as follows:

- Overall total—1,109,418 (persons aged \geq 13 years: 1,108,292) (Tables 15b and 17b, Figure 14)
- Overall rate—329.3 (persons aged ≥13 years: 387.9) (Tables 15b and 17b, Figure 14)

Figure 14. Persons aged ≥13 years living with diagnosed HIV, year-end 2022—United States and 6 territories and freely associated states



Note. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Data are based on address of residence as of December 2022 (i.e., most recent known address). Asterisk (*) indicates incomplete ascertainment of deaths.

360.9-2,355.3

Data classified using quartiles

Persons living with diagnosed HIV percentages and/or rates were as follows:

236.0-360.8

Gender (Table 15b)

2.9-144.1

- Men—840,579 (76%)
- Women—253,150 (23%)
- Transgender women/girls—14,565 (1%)

144.2-235.9

- Transgender men/boys—656 (<1%)
- AGI—466 (<1%)

Age group (Table 15b)

- <13 years—1,126 (<1%)
- 13–24 years—28,087 (3%)
- 25–34 years—166,554 (15%)
- 35–44 years—212,652 (19%)
- 45–54 years—239,336 (22%)

- 55–64 years—298,037 (27%)
- 65–74 years—133,513 (12%)
- \geq 75 years—30,113 (3%)



For additional data by 5-year age groups, see Table 15b.

Race/ethnicity (Table 15b)

- American Indian/Alaska Native—3,274 (<1%)
- Asian—17,406 (2%)
- Black/African American—436,028 (39%)
- Hispanic/Latino—285,014 (26%)
- Native Hawaiian/other Pacific Islander—1,010 (<1%)
- White—307,118 (28%)
- Multiracial—58,916 (5%)

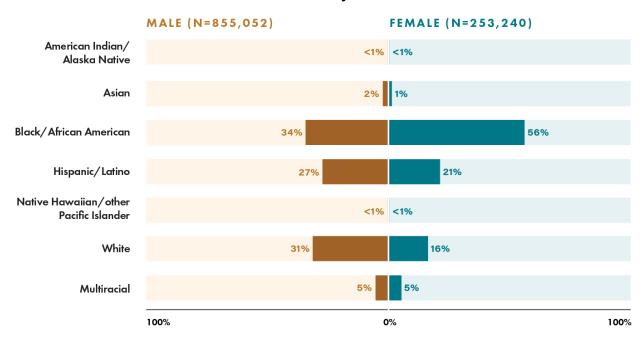
Rates (United States only) (Table 15a)

- American Indian/Alaska Native—135.2
- Asian—85.5
- Black/African American—1,035.6
- Hispanic/Latino—423.0
- Native Hawaiian/other Pacific Islander—153.5
- White—156.5
- Multiracial—736.7

SAAB and race/ethnicity—highest percentages (Figure 15)

- Male—Black/African American (34%)
- Female—Black/African American (56%)

Figure 15. Persons aged ≥13 years living with diagnosed HIV, by sex assigned at birth and race/ethnicity, yearend 2022—United States and 6 territories and freely associated states



Note. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Data are based on address of residence as of December 2022 (i.e., most recent known address). Asian includes Asian/Pacific Islander legacy cases. Hispanic/Latino persons can be of any race.

SAAB and transmission category, persons aged ≥13 years—highest percentages (Table 17b)

- Overall—MMSC (58%)
- Male—MMSC (75%)
- Female—heterosexual contact (78%)

Gender and exposure category (Table 18b)

- Transgender women—sexual contact (86%)
- Transgender men—sexual contact (77%)
- AGI—sexual contact (87%)

Region of residence (Table 15b)

- Northeast—236,341 (21%)
- Midwest—131,602 (12%)
- South—506,546 (46%)
- West—218,658 (20%)
- U.S. territories and freely associated states—16,271 (1%)

Rates (United States only) (Table 15a)

- Highest—Northeast (414.3)
- Lowest—Midwest (191.3)

Special Focus Profiles



Note. This is not a stock image. The persons in this image are living with HIV or are advocates for those living with HIV.

Scientific advances in HIV treatment and prevention have led to tremendous progress in improving care for persons living with HIV and reducing the number of annual HIV infections in the United States. Yet, longstanding disparities in HIV and care outcomes persist among select populations of interest. Intersecting social, political, and structural determinants—such as poverty, unemployment, housing insecurity, stigma, discrimination, residential and rural segregation—create barriers that drive those disparities and impact health outcomes [13–16]. With these barriers, people who do not know that they have HIV do not get medical care or receive treatment and can unknowingly transmit HIV through sex or sharing needles, syringes, or other drug injection equipment [11]. This lack of awareness of HIV status is due to not getting tested, underestimation of personal risk, fewer opportunities to get tested, having a recent infection, and/or fear of HIV status disclosure and social isolation [11, 17–20]. Evidence-based strategies must be tailored, be informed by persons with HIV, incorporate stigma reduction/smart disclosure strategies, and provide social support to address the unique needs of each population of interest [17]. Consistent, comprehensive, and sustainable health care with supportive services is critical to save lives and prevent community transmission to end the HIV epidemic.

The Special Focus Profiles are adapted from the NHAS priority populations [1]. This section highlights the distribution of HIV in 7 populations of interest to HIV prevention programs in state and local health departments: (1) Gay, Bisexual, and Other Men Who Have Sex With Men (MSM); (2) Persons Who Inject Drugs (PWID);

- (3) Transgender Persons; (4) Women; (5) Persons Residing in the Southern Region of the United States;
- (6) Persons Aged 13–24 Years; and (7) Children Aged <13 Years. See suggested readings for additional information on reducing inequities among populations of interest.

GAY, BISEXUAL, AND OTHER MEN WHO HAVE SEX WITH MEN

Social and structural issues—such as HIV stigma, homophobia, discrimination, poverty, and limited access to high-quality health care—make gay, bisexual, and other men who have sex with men (collectively referred to as MSM) of all races/ethnicities susceptible to multiple physical and mental health problems and can affect whether they seek and receive high-quality health services, including HIV testing, treatment, and other prevention services [21]. MSM are the population most affected by HIV in the United States.



In 2022, HIV attributed to MMSC accounted for 67% (25,422 MMSC, excluding MMSC and IDU) of the 38,043 HIV diagnoses in the United States and 6 territories and freely associated states (Table 1b). Many Black/African American and Hispanic/Latino MSM with HIV, particularly young MSM (aged 13–24 years), are unaware of their HIV infection [22]. Lack of awareness of HIV status among young MSM may be due to recent infection, not getting tested due to underestimation of personal risk, or fewer opportunities to get tested. Persons who do not know that they have HIV do not get medical care or receive treatment and can unknowingly transmit HIV to others through sex and sharing of drug equipment, e.g., needles.

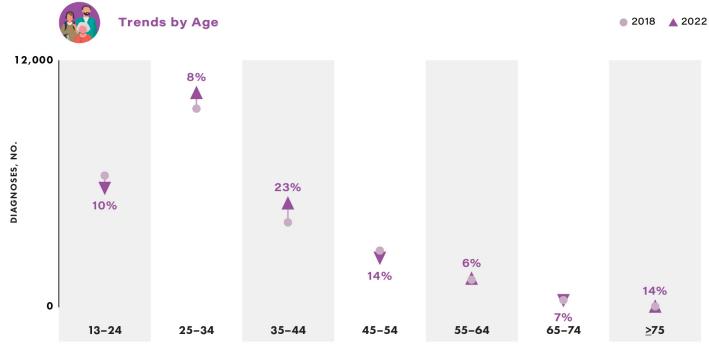
HIV Diagnoses Among MSM

Age group

In 2022, compared with 2018, changes in numbers of HIV diagnoses attributed to MMSC were as follows (Figure 16):

- Increase—persons aged 25–34 (8%), 35–44 years (23%), 55–64 (6%), and \geq 75 (14%) years
- Decrease—persons aged 13–24 (-10%), 45–54 (-14%), and 65–74 (-7%) years
- Stable—none

Figure 16. Diagnoses of HIV among males, based on sex assigned at birth, attributed to male-to-male sexual contact, by age group, 2018–2022—United States and 6 territories and freely associated states



Note. Data have been statistically adjusted to account for missing transmission category. Male-to-male sexual contact includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

In 2021, numbers and percentages of HIV diagnoses attributed to MMSC were as follows (Figure 17):

- 13–24 years—5,773 (23%)
- 25–34 years—10,436 (41%)
- 35–44 years—5,065 (20%)
- 45–54 years—2,373 (9%)
- 55–64 years—1,407 (6%)
- 65–74 years—318 (1%)
- \geq 75 years—49 (<1%)



For additional data by 5-year age groups, see Table 5b.

Race/ethnicity

In 2022, compared with 2018, changes in numbers of HIV diagnoses attributed to MMSC were as follows (Table 5b):

- Increase—American Indian/Alaska Native (15%), Hispanic/Latino (22%), and Native Hawaiian/other Pacific Islander (43%)
- Decrease—Asian (-5%), White (-5%), and multiracial (-32%)
- Stable—Black/African American

In 2022, numbers and percentages of HIV diagnoses attributed to MMSC were as follows (Figure 17, Table 5b):

- American Indian/Alaska Native—114 (<1%)
- Asian—625 (2%)
- Black/African American—8,831 (35%)
- Hispanic/Latino—9,374 (37%)
- Native Hawaiian/other Pacific Islander—60 (<1%)
- White—5,737 (23%)
- Multiracial—680 (3%)

Region of residence

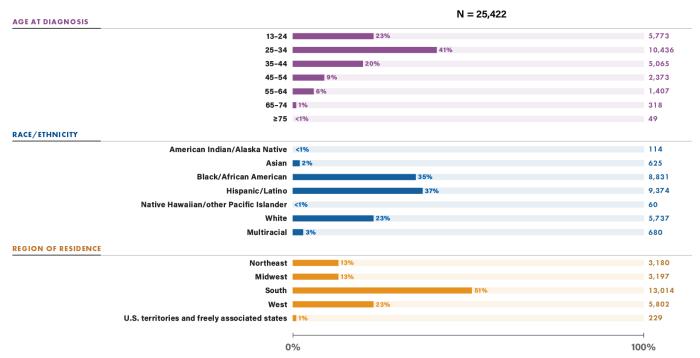
In 2022, compared with 2018, changes in numbers of HIV diagnoses attributed to MMSC were as follows (Table 5b):

- Increase—South (6%)
- Decrease—U.S. territories and freely associated states (-17%)
- Stable—Northeast, Midwest, and West

In 2022, numbers and percentages of HIV diagnoses attributed to MMSC were as follows (Figure 17, Table 5b):

- Northeast—3,180 (13%)
- Midwest—3,197 (13%)
- South—13,014 (51%)
- West—5,802 (23%)
- U.S. territories and freely associated states—229 (1%)

Figure 17. Diagnoses of HIV among males, based on sex assigned at birth, attributed to male-to-male sexual contact, by selected characteristics, 2022—United States and 6 territories and freely associated states



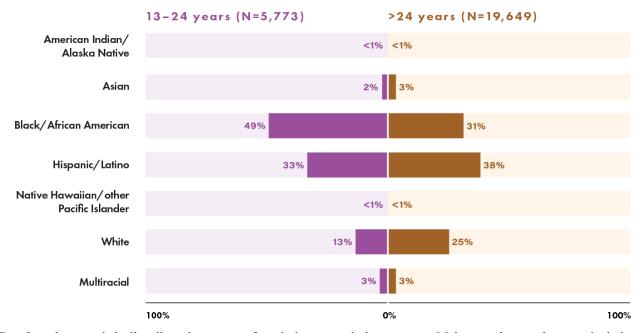
Note. Data have been statistically adjusted to account for missing transmission category. Male-to-male sexual contact includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact). Hispanic/Latino persons can be of any race.

Age group and race/ethnicity

In 2022, the highest percentages by age group (Figure 18):

- Aged 13–24 years—Black/African American (49%)
- Aged > 24 years—Hispanic/Latino (38%)

Figure 18. Diagnoses of HIV among males, based on sex assigned at birth, attributed to male-to-male sexual contact, by age group and race/ethnicity, 2022—United States and 6 territories and freely associated states

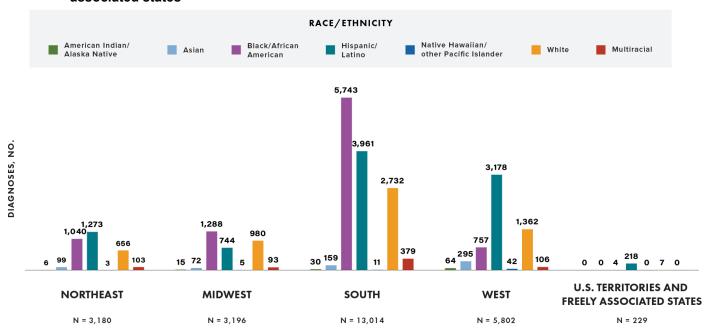


Note. Data have been statistically adjusted to account for missing transmission category. Male-to-male sexual contact includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact). Hispanic/Latino persons can be of any race.

Region of residence and race/ethnicity—highest numbers and percentages by region (Figure 19):

- Northeast—Hispanic/Latino (1,273; 40%)
- Midwest—Black/African American (1,288; 40%)
- South—Black/African American (5,743; 44%)
- West—Hispanic/Latino (3,178; 55%)
- U.S. territories and freely associated states—Hispanic/Latino (218; 95%)

Figure 19. Diagnoses of HIV among males, based on sex assigned at birth, attributed to male-to-male sexual contact, by region and race/ethnicity, 2022—United States and 6 territories and freely associated states



Note. Data have been statistically adjusted to account for missing transmission category. Male-to-male sexual contact includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact). Hispanic/Latino persons can be of any race.

Prevalence and Race/Ethnicity Among MSM

At year-end 2022 in the United States and 6 territories and freely associated states, 639,235 MSM (Table 16b) were living with diagnosed HIV attributed to MMSC.

Prevalence by race/ethnicity was as follows (Table 16b):

- American Indian/Alaska Native—1,775 (<1%)
- Asian—12,251 (2%)
- Black/African American—196,884 (31%)
- Hispanic/Latino—176,094 (28%)
- Native Hawaiian/other Pacific Islander—722 (<1%)
- White—217,377 (34%)
- Multiracial—33,814 (5%)

PERSONS WHO INJECT DRUGS

HIV attributed to injection drug use (IDU) in nonurban areas has created prevention challenges and brought attention to populations who would benefit from HIV prevention efforts [23]. In recent years, the opioid (including prescription and synthetic opioids) and heroin crisis has led to increased numbers of persons who inject drugs (PWID). HIV diagnoses among PWID have increased in the 50 states and District of Columbia [11]. PWID can get HIV if they use and share needles, syringes, or other drug injection equipment (e.g., cookers) that someone with HIV has used. In 2022, IDU accounted for about 1 in 14 HIV diagnoses in the United States (Table 6a).



HIV Diagnoses Among PWID

In 2022 in the United States and 6 territories and freely associated states, 2,650 diagnoses of HIV were attributed to IDU (1,490 among male and 1,161 among female PWID) (Table 6b).

Age group

In 2022, compared with 2018, changes in numbers of HIV diagnoses attributed to IDU were as follows (Table 6b):

- Increase—persons aged 25–34 (12%), 35–44 (20%), and 65–74 (23%) years
- Decrease—persons aged 13–24 (-21%), 45–54 (-10%), and 55–64 (-6%) years
- Stable—persons aged ≥75 years

In 2022, numbers and percentages of HIV diagnoses attributed to IDU were as follows (Figure 20):

- 13–24 years—181 (7%)
- 25–34 years—830 (31%)
- 35–44 years—785 (30%)
- 45–54 years—458 (17%)
- 55–64 years—297 (11%)
- 65–74 years—85 (3%)
- \geq 75 years—15 (1%)



For additional data by 5-year age groups, see Table 6b.

Race/ethnicity

In 2022, compared with 2018, changes in numbers of HIV diagnoses attributed to IDU were as follows (Table 6b):

- Increase—American Indian/Alaska Native (71%), Asian (41%), and White (13%)
- Decrease—multiracial (-25%)
- Stable—Black/African American and Hispanic/Latino

In 2022, numbers and percentages of HIV diagnoses attributed to IDU were as follows (Figure 20):

- American Indian/Alaska Native—41 (2%)
- Asian—23 (1%)
- Black/African American—706 (27%)
- Hispanic/Latino—533 (20%)
- Native Hawaiian/other Pacific Islander—9 (<1%)
- White—1,252 (47%)



• Multiracial—86 (3%)

Region of residence

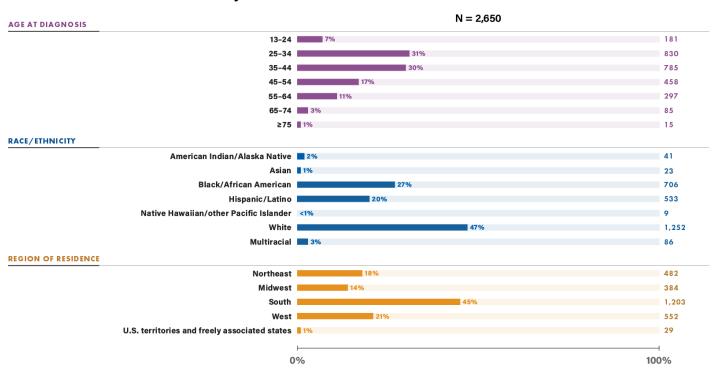
In 2022, compared with 2018, changes in numbers of HIV diagnoses attributed to IDU were as follows (Table 6b):

- Increase—South (21%)
- Decrease—Northeast (-18%)
- Stable—Midwest, West, and U.S. territories and freely associated states

In 2022, numbers and percentages of HIV diagnoses attributed to IDU were as follows (Figure 20):

- Northeast—482 (18%)
- Midwest—384 (14%)
- South—1,203 (45%)
- West—552 (21%)
- U.S. territories and freely associated states—29 (1%)

Figure 20. Diagnoses of HIV attributed to injection drug use, by selected characteristics, 2022—United States and 6 territories and freely associated states



Note. Data have been statistically adjusted to account for missing transmission category. Injection drug use includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers). Hispanic/Latino persons can be of any race.

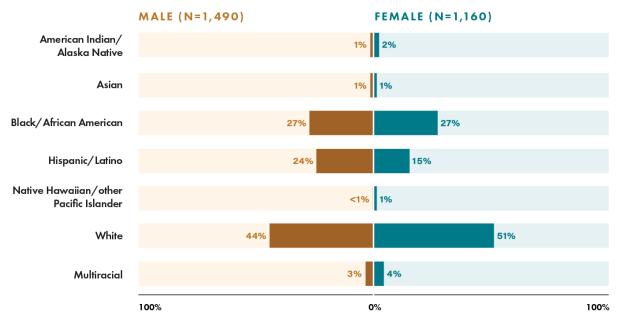
SAAB and race/ethnicity

In 2022, the highest percentages of HIV diagnoses attributed to IDU were as follows (Figure 21):



- Male—White (44%)
- Female—White (51%)

Figure 21. Diagnoses of HIV attributed to injection drug use, by sex assigned at birth and race/ethnicity, 2022— United States and 6 territories and freely associated states



Note. Data have been statistically adjusted to account for missing transmission category. Injection drug use includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers). Hispanic/Latino persons can be of any race.

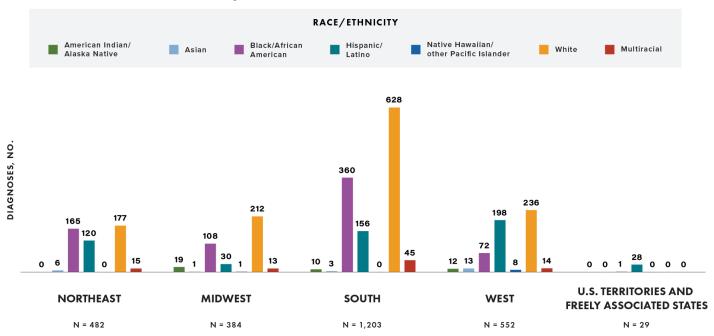
Region of residence and race/ethnicity

In 2022, the highest numbers and percentages of HIV diagnoses attributed to IDU were as follows (Figure 22):



- Northeast—White (177; 37%)
- Midwest—White (212; 55%)
- South—White (628; 52%)
- West—White (236; 43%)
- U.S. territories and freely associated states—Hispanic/Latino (28; 97%)

Figure 22. Diagnoses of HIV attributed to injection drug use, by region and race/ethnicity, 2022—United States and 6 territories and freely associated states



Note. Data have been statistically adjusted to account for missing transmission category. Injection drug use includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers). Hispanic/Latino persons can be of any race.

Prevalence and Race/Ethnicity Among PWID

At year-end 2022 in the United States and 6 territories and freely associated states, 114,742 PWID were living with diagnosed HIV. Prevalence by race/ethnicity was as follows (Table 16b):

- American Indian/Alaska Native—497 (<1%)
- Asian—666 (1%)
- Black/African American—49,717 (43%)
- Hispanic/Latino—31,428 (27%)
- Native Hawaiian/other Pacific Islander—57 (<1%)
- White—26,431 (23%)
- Multiracial—5,821 (5%)

TRANSGENDER AND ADDITIONAL GENDER IDENTITY PERSONS

Transgender is an umbrella term that is used to identify persons whose sex assigned at birth does not match current gender identity or expression. Gender identity refers to one's internal understanding of one's own gender, or the gender with which a person identifies [24]. Additional gender identity (AGI) is a term used to identify persons assigned "male" or "female" sex at birth who do not identify as male, female, transgender woman, or transgender man (e.g., those identifying as "nonbinary," "gender queer," or "two-spirit") [24]. Gender expression is a term used to describe a person's outward presentation of their gender [24]. Gender identity and sexual orientation are different facets of identity. Transgender and AGI persons are understudied in HIV prevention (e.g., preexposure prophylaxis [PrEP]) and treatment interventions and face numerous prevention challenges, including social rejection and exclusion and lack of public/provider knowledge about transgender and AGI issues [25].



HIV Diagnoses Among Transgender and AGI Persons

In 2022 in the United States and 6 territories and freely associated states, HIV diagnoses among transgender persons accounted for approximately 2% of diagnoses, while diagnoses among AGI persons accounted for <1%. Of the 994 diagnoses of HIV among transgender and AGI persons in 2022 (Table 4b), transgender women accounted for the highest percentage of diagnoses (87%).

In 2022, numbers and percentages of HIV diagnoses among transgender and AGI persons aged ≥13 years were as follows (Figure 23):

Age group

- 13–24 years—309 (31%)
- 25–34 years—451 (45%)
- 35–44 years—151 (15%)
- 45–54 years—59 (6%)
- 55–64 years—21 (2%)
- 55–64 years—3 (<1%)
- $\geq 65 \text{ years} = 0 (0\%)$



For additional data by 5-year age groups, see Table 4b.

Race/ethnicity

- American Indian/Alaska Native—7 (1%)
- Asian—20 (2%)
- Black/African American—396 (40%)
- Hispanic/Latino—379 (38%)
- Native Hawaiian/other Pacific Islander—4 (<1%)

- White—147 (15%)
- Multiracial—41 (4%)

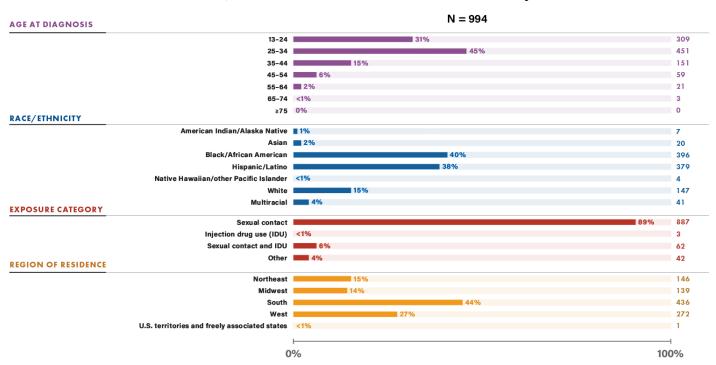
Exposure category

- Sexual contact—887 (89%)
- IDU—3 (<1%)
- Sexual contact and IDU—62 (6%)
- Other—42 (4%)

Region of residence

- Northeast—146 (15%)
- Midwest—139 (14%)
- South—436 (44%)
- West—272 (27%)
- U.S. territories and freely associated states—1 (<1%)

Figure 23. Diagnoses of HIV among transgender and additional gender identity persons aged ≥13 years, by selected characteristics, 2022—United States and 6 territories and freely associated states



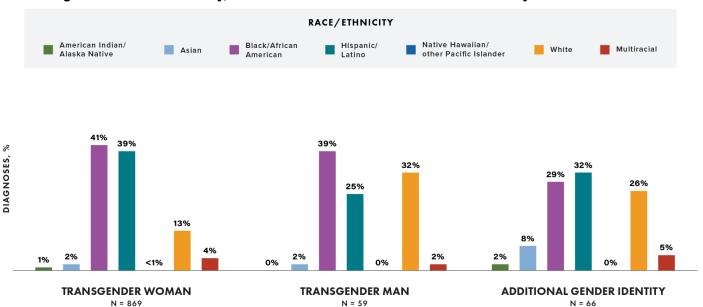
Note. "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man. Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit." Hispanic/Latino persons can be of any race. Sexual contact for persons assigned "male" sex at birth, sexual contact with any person. For persons assigned "female" sex at birth, sexual contact with a person assigned "male" sex at birth. Injection drug use includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers). Other includes other risk factors, including perinatal exposure, hemophilia, blood transfusion, and risk factor not reported or not identified. Data were not statistically adjusted to account for missing exposure category; therefore, case counts for "Other" might be high.

Gender and race/ethnicity—highest percentages

In 2022, the highest percentages of HIV diagnoses among persons aged \geq 13 years were as follows (Figure 24):

- Transgender women—Black/African American (41%)
- Transgender men—Black/African American (39%)
- AGI—Hispanic/Latino (32%)

Figure 24. Diagnoses of HIV among transgender and additional gender identity persons aged ≥13 years, by gender and race/ethnicity, 2022—United States and 6 territories and freely associated states



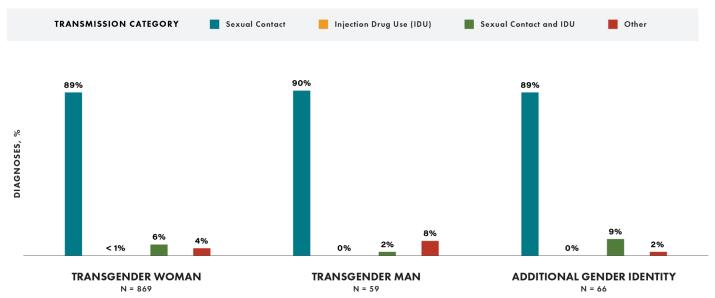
Note. "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man. Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit." Hispanic/Latino persons can be of any race.

Gender and exposure category—highest percentages

In 2022, the highest percentages of HIV diagnoses among persons aged ≥ 13 years were as follows (Figure 25):

- Transgender women—sexual contact (89%)
- Transgender men—sexual contact (90%)
- AGI—sexual contact (89%)

Figure 25. Diagnoses of HIV among transgender and additional gender identity persons aged ≥13 years, by gender and exposure category, 2022—United States and 6 territories and freely associated states



Note. "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man. Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit." Sexual contact for persons assigned "male" sex at birth, sexual contact with any person. For persons assigned "female" sex at birth, sexual contact with a person assigned "male" sex at birth. Injection drug use includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers). Other includes other risk factors, including perinatal exposure, hemophilia, blood transfusion, and risk factor not reported or not identified. Data were not statistically adjusted to account for missing exposure category; therefore, case counts for "Other" might be high.

WOMEN

Social barriers such as racism, discrimination, and HIV stigma have a major impact on health and well-being. These factors prevent some women from seeking and receiving high-quality health care, including HIV testing, treatment, and other prevention services [26]. In addition to the social issues that affect some women, other factors can increase the chances of getting or transmitting HIV, such as a sex partner's risk factors, knowledge of preexposure prophylaxis (PrEP),



and knowledge of HIV status [26]. Additionally, women of color, particularly Black/African American, are disproportionately affected by HIV compared to other races/ethnicities [26].

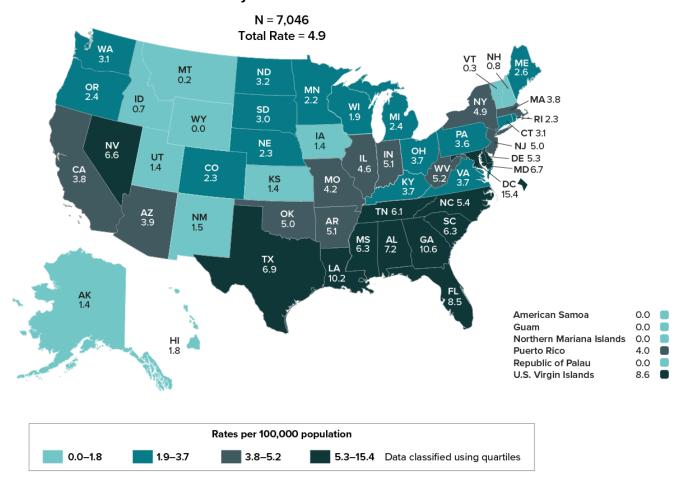
HIV Diagnoses Among Women

In 2022 in the United States and 6 territories and freely associated states, 7,046 HIV diagnoses were among females aged \geq 13 years (based on SAAB), and the rate of HIV diagnoses was 4.9 (Figure 26).



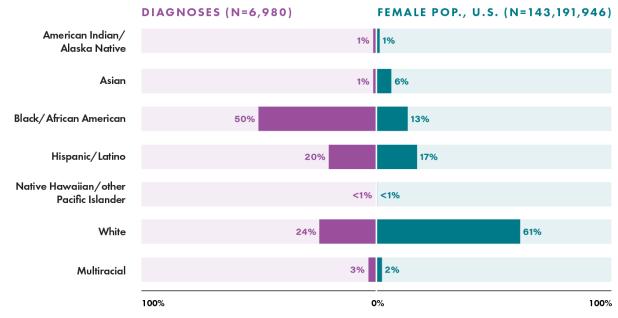
For rates of HIV diagnoses among females aged ≥13 years (based on SAAB) by state and U.S. territories and freely associated states, see Figure 26.

Figure 26. Diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, 2022—United States and 6 territories and freely associated states



For percentages of HIV diagnoses among females by race/ethnicity and U.S. population, see Figure 27.

Figure 27. Diagnoses of HIV and population among females aged ≥13 years, based on sex assigned at birth, by race/ethnicity, 2022—United States



Note. Hispanic/Latino persons can be of any race.

Age group

In 2022, rates for HIV diagnoses among females aged ≥13 years were as follows (United States only) (Figure 28):

- 13-24 years—3.4
- 25–34 years—9.1
- 35–44 years—8.3
- 45–54 years—6.2
- 55–64 years—3.6
- 65-74 years—1.2
- \geq 75 years—0.3



For additional data by 5-year age groups, see Table 3a.

Disparities by age group

- Absolute disparity (rate difference)—If the rate of HIV diagnoses among females aged 25–34 years was similar to the rate among females aged 13–24 years, then diagnoses would have been reduced by 6 cases per 100,000 population.
- Relative disparity (rate ratio)—The rate of diagnoses among females aged 25–34 years was 2.7 times the rate among females aged 13–24 years.

Race/ethnicity

In 2022, rates for HIV diagnoses among females aged ≥13 years were as follows (United States only) (Figure 28):

- American Indian/Alaska Native—5.5
- Asian—1.1
- Black/African American—19.2
- Hispanic/Latino—5.5
- Native Hawaiian/other Pacific Islander—4.6
- White—1.9
- Multiracial—8.2

Disparities by race/ethnicity (Figure 28)

Absolute disparity (rate difference)—If the rate of HIV diagnoses among Black/African American females aged \geq 13 years (19.2) was similar to the rate among White females aged \geq 13 years (1.9), then diagnoses would have been reduced by 17 per 100,000 population.

Relative disparity (rate ratio)—The rate of diagnoses among Black/African American females aged ≥13 years was 10.1 times the rate among White females aged ≥13 years.

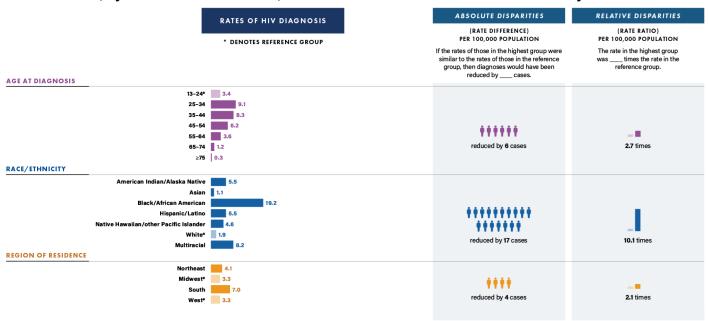
Changes in disparities by race/ethnicity

In 2022, compared with 2018, changes in rates of HIV diagnoses by race/ethnicity among females aged \geq 13 years were as follows (Figure 29):

Absolute disparity (rate difference)—for the difference between rate of HIV diagnoses among a select race/ethnicity minus the rate among White females, there was a narrower gap (or less disparity) for Black/African American-White and multiracial-White disparities, a wider gap (or greater disparity) for American Indian/Alaska Native-White and Asian-White disparities, and no change in disparity for Hispanic/Latino-White disparities in 2022 than in 2018.

Relative disparity (rate ratio)—for the rates of HIV diagnoses among a select race/ethnicity divided by the rates among White females, there was less disparity in 2022 than in 2018 (except for American Indian/Alaska Native-White and Asian-White).

Figure 28. Rates and disparities of diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, by selected characteristics, 2022—United States and 6 territories and freely associated states



Note. Rates are per 100,000 population. Reference groups are based on the rate of the lowest group with >5% of cases. Hispanic/Latino persons can be of any race. Absolute disparity measures the difference between rates in groups with the highest rates and a reference group (Rate_{highest group} – Rate_{reference group}). Relative disparity (rate ratio) measures the rates in groups with the highest rates divided by a reference group (Rate_{highest group} ÷ Rate_{reference group}).

Region of residence

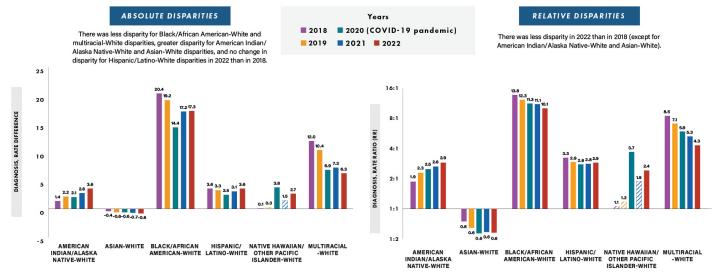
In 2022, rates for HIV diagnoses among females aged ≥13 years were as follows (United States only) (Figure 28):

- Northeast—4.1
- Midwest—3.3
- South—7.0
- West—3.3

Disparities by region

- Absolute disparities (rate difference)—If the rate of HIV diagnoses among females aged ≥13 years in the South was similar to the rate among females aged ≥13 years in the Midwest or West, then diagnoses would have been reduced by 4 cases per 100,000 population.
- Relative disparities (rate ratio)—The rate of HIV diagnoses among females aged ≥13 years in the South was 2.1 times the rate among females aged ≥13 years in the Midwest or West.

Figure 29. Absolute and relative disparities of diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, by race/ethnicity and year of diagnosis, 2018–2022—United States



Note. Hispanic/Latino persons can be of any race. Striped bars indicate rates based on small numbers (i.e., less than 12 diagnoses) and should be interpreted with caution. The data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022. Absolute disparity measures the difference between rates among a select race/ethnicity and rates among White persons (Rate_{select race/ethnicity}-Rate_{White persons}). Relative disparity (rate ratio) measures the rates among a select race/ethnicity divided by rates among White persons (Rate_{select race/ethnicity} ÷ Rate_{White persons}).

Transmission category and race/ethnicity

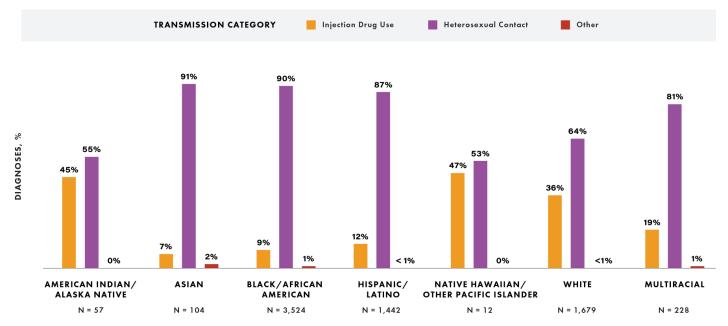
In 2022, the highest number of HIV diagnoses among females aged ≥13 years were as follows (Table 2b):

- IDU—White (597)
- Heterosexual contact—Black (3,182)
- Other (including Perinatal)—Black (36)

In 2022, the highest percentages of HIV diagnoses among females aged ≥ 13 years were as follows (Figure 30):

- IDU—Native Hawaiian/other Pacific Islander (47%)
- Heterosexual contact—Asian (91%)
- Other—Asian (2%)

Figure 30. Diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, by transmission category and race/ethnicity, 2022—United States and 6 territories and freely associated states



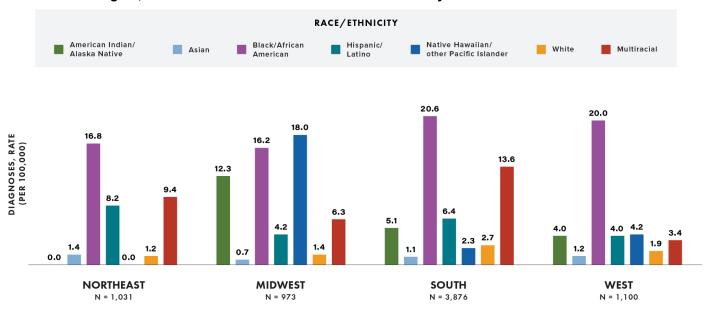
Note. Data have been statistically adjusted to account for missing transmission category. Injection drug use includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers). Heterosexual contact includes heterosexual contact with a person known to have, or with a risk factor for, HIV. Other includes other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified. Hispanic/Latino persons can be of any race.

Region of residence and race/ethnicity

In 2022, the highest rates of HIV diagnoses among females aged ≥13 years were as follows (United States only) (Figure 31):

- Northeast—Black/African American (16.8)
- Midwest—Black/African American (16.2)
- South—Black/African American (20.6)
- West—Black/African American (20.0)

Figure 31. Diagnoses of HIV among females aged ≥13 years, based on sex assigned at birth, by race/ethnicity and region, 2022—United States and 6 territories and freely associated states



Note. Rates are per 100,000 population. Hispanic/Latino persons can be of any race.

Prevalence Among Women

At year-end 2022 in the United States and 6 territories and freely associated states, 253,240 females aged ≥13 years were living with diagnosed HIV. Prevalence by race/ethnicity was as follows (Table 17b):

- American Indian/Alaska Native—797 (<1%)
- Asian—2,928 (1%)
- Black/African American—142,544 (56%)



- Hispanic/Latino—51,975 (21%)
- Native Hawaiian/other Pacific Islander—159 (<1%)
- White—40,970 (16%)
- Multiracial—13,686 (5%)

Persons Residing in the Southern Region of the United States

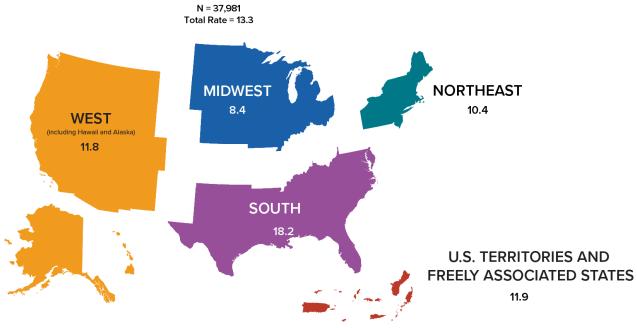
The gap in knowledge of HIV status in the Southern region of the United States (South) is among the highest in the country and can result in fewer people living with HIV receiving timely HIV medical care and treatment and having a suppressed viral load. In 2022, for every 100 people with HIV (aged ≥13 years) in the South, 14 did not know their status [22]. Additionally, socioeconomic factors, such as poverty and median household income, contribute to HIV transmission. In comparison to other regions in the United States, the South has both the highest rate of poverty and the lowest median household income [27].



HIV Diagnoses Among Persons in the South

In 2022 among the 4 main regions in the United States (the Northeast, Midwest, South, and West) and 6 territories and freely associated states, 52% (19,822) of HIV diagnoses were in the South (Table 1b). The rate of HIV diagnoses among those aged ≥ 13 years was 18.2, greater than any other region (Figure 32).

Figure 32. Diagnoses of HIV among persons aged ≥13 years, by region, 2022—United States and 6 territories and freely associated states

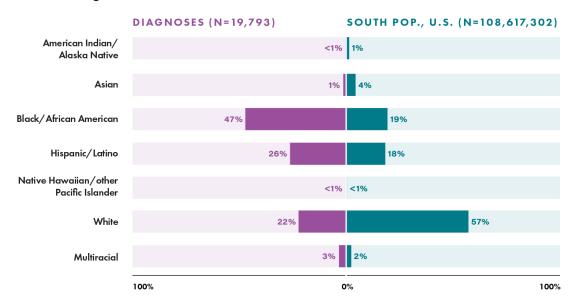


Note. Rates are per 100,000 population.

Q

For percentages by race/ethnicity and U.S. Southern population, see Figure 33.

Figure 33. Diagnoses of HIV and population among persons aged ≥13 years, by race/ethnicity, 2022—U.S. Southern Region



Note. Hispanic/Latino persons can be of any race.

Age group

In 2022, rates for HIV diagnoses among persons aged \geq 13 years in the South were as follows (Figure 34):

- 13-24 years—19.4
- 25–34 years—42.4
- 35–44 years—24.4
- 45–54 years—14.9
- 55–64 years—9.3
- 65–74 years—3.0
- \geq 75 years—0.8

Disparities by age group

- Absolute disparity (rate difference)—If the rate of HIV diagnoses among persons aged 25–34 years (42.4) was similar to the rate among persons aged 55–64 years (9.3), then diagnoses would have been reduced by 33 cases per 100,000 population.
- Relative disparity (rate ratio)—The rate of HIV diagnoses among persons aged 25–34 years was 4.6 times the rate among persons aged 55–64 years.

Race/ethnicity

In 2022, rates for HIV diagnoses among persons aged ≥ 13 years in the South were as follows (Figure 34):

- American Indian/Alaska Native—8.2
- Asian—4.8
- Black/African American—45.9
- Hispanic/Latino—26.4
- Native Hawaiian/other Pacific Islander—16.0
- White—7.1
- Multiracial—31.5

Disparities by race/ethnicity

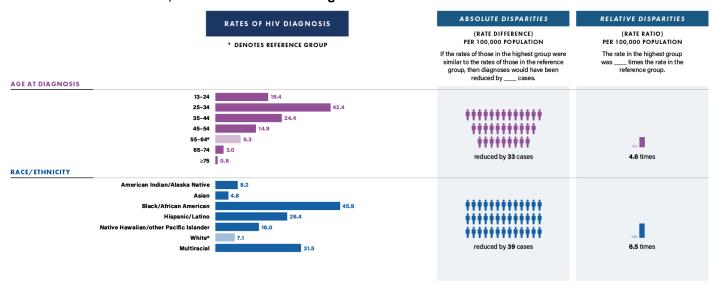
Absolute disparity (rate difference)—If the rates of HIV diagnoses among a select race/ethnicity with HIV diagnoses were similar to the rates among White persons aged ≥13 years, then diagnoses could have been reduced by the following number of cases per 100,000 population:

- American Indian/Alaska Native—1
- Asian—no reduction in cases
- Black/African American—39
- Hispanic/Latino—19
- Native Hawaiian/other Pacific Islander—9
- Multiracial—24

Relative disparity (rate ratio)—The rates of diagnoses among a select race/ethnicity were ____ times the rates of White persons aged ≥ 13 years as follows:

- American Indian/Alaska Native—1.2
- Asian—0.7
- Black/African American—6.5
- Hispanic/Latino—3.7
- Native Hawaiian/other Pacific Islander—2.3
- Multiracial—4.4

Figure 34. Rates and disparities of diagnoses of HIV among persons aged ≥13 years, by selected characteristics, 2022—U.S. Southern Region



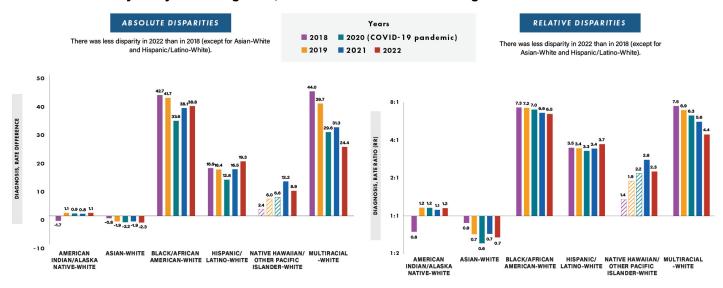
Note. Rates are per 100,000 population. Reference groups are based on the rate of the lowest group with >5% of cases. Hispanic/Latino persons can be of any race. Absolute disparity measures the difference between rates in groups with the highest rates and a reference group (Rate_{highest group}-Rate_{reference group}). Relative disparity (rate ratio) measures the rates in groups with the highest rates divided by a reference group (Rate_{highest group} ÷ Rate_{reference group}).

Changes in disparities by race/ethnicity

In 2022, compared with 2018, changes in rates of HIV diagnoses by race/ethnicity among persons aged \geq 13 years were as follows (Figure 35):

- Absolute disparity (rate difference)—for the difference between rate of HIV diagnoses among a select race/ethnicity minus the rate among White persons, there was a narrower gap (or less disparity) in 2022 than in 2018 (except for Asian-White and Hispanic/Latino-White).
- Relative disparity (rate ratio)—for the rates of HIV diagnoses among a select race/ethnicity divided by the rates among White persons, there was less disparity in 2022 than in 2018 (except for Asian-White and Hispanic/Latino-White).

Figure 35. Absolute and relative disparities of diagnoses of HIV among persons aged ≥13 years, by race/ ethnicity and year of diagnosis, 2018–2022—U.S. Southern Region



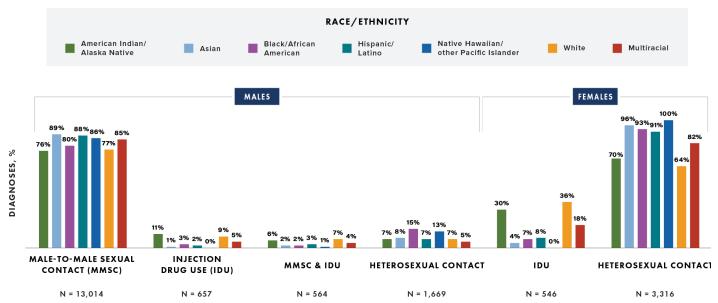
Note. Hispanic/Latino persons can be of any race. Striped bars indicate rates based on small numbers (i.e., less than 12 diagnoses) and should be interpreted with caution. The data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022. Absolute disparity measures the difference between rates among a select race/ethnicity and rates among White persons (Rate_{select race/ethnicity}-Rate_{White persons}). Relative disparity (rate ratio) measures the rates among a select race/ethnicity divided by rates among White persons (Rate_{select race/ethnicity} ÷ Rate_{White persons}).

Transmission category and race/ethnicity by SAAB

In 2022, the racial/ethnic group with the highest percentages of HIV diagnoses for each transmission category among persons aged ≥ 13 years were as follows (Figure 36):

- Male
 - o MMSC—Asian (89%)
 - o IDU—American Indian/Alaska Native (11%)
 - MMSC/IDU—White (7%)
 - Heterosexual contact—Black/African American (15%)
- Female
 - Heterosexual contact—Native Hawaiian/other Pacific Islander (100%)
 - IDU—White (36%)

Figure 36. Diagnoses of HIV among persons aged ≥13 years, by sex assigned at birth, transmission category, and race/ethnicity, 2022—U.S. Southern Region



Note. Data have been statistically adjusted to account for missing transmission category. Hispanic/Latino persons can be of any race. Male-to-male sexual contact includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact). Injection drug use includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers). Heterosexual contact includes heterosexual contact with a person known to have, or with a risk factor for, HIV.

Prevalence Among Persons in the South

At year-end 2022 in the South, 506,546 persons were living with diagnosed HIV. Prevalence by race/ethnicity was as follows (Table 16b):

- American Indian/Alaska Native—789 (<1%)
- Asian—3,792 (1%)
- Black/African American—258,639 (51%)
- Hispanic/Latino—96,462 (19%)
- Native Hawaiian/other Pacific Islander—162 (<1%)
- White—120,350 (24%)
- Multiracial—26,205 (5%)

PERSONS AGED 13-24 YEARS

Addressing HIV among persons aged 13–24 years requires that they have access to the information and tools they need to make healthy decisions, reduce their risk factors, get treatment, and stay in care. Among persons living with HIV, they are the most likely of any age group to be living with undiagnosed HIV [22]. Lack of awareness of HIV status may be due to recent infection or low rates of HIV testing. Persons who do not know that they have HIV do not get medical care or receive treatment and can unknowingly transmit HIV through sex or sharing drug equipment. In addition, persons aged 13–24 years have high rates of sexually transmitted diseases (STDs) and low rates of condom use, greatly increasing the chance of getting or transmitting HIV [28].



HIV Diagnoses Among Persons Aged 13–24 Years

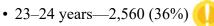
In 2022 in the United States and 6 territories and freely associated states, there were 7,099 HIV diagnoses among persons aged 13–24 years. Numbers and percentages of HIV diagnoses among persons aged 13–24 years were as follows (Figure 37, Table 8b):

Gender

- Men—5,934 (84%)
- Women—856 (12%)
- Transgender women/girls—270 (4%)
- Transgender men/boys—18 (<1%)
- AGI—21 (<1%)

Age group

- 13–14 years—22 (<1%)
- 15–17 years—313 (4%)
- 18–19 years—1,047 (15%)
- 20–22 years—3,157 (44%)



Rates (United States only) (Figure 38)

- Highest—persons aged 23–24 years (28.6)
- Lowest—persons aged 13–14 years (0.3)

Disparities by age group

- Absolute disparity (rate difference)—If the rate of HIV diagnoses among persons aged 23–24 years (28.6) was similar to the rate among persons aged 18–19 years (12.1), then diagnoses would have been reduced by 17 cases per 100,000 population.
- Relative disparity (rate ratio)—The rate of diagnosis among persons aged 23–34 years was 2.4 times the rate among persons aged 18–19 years.

Race/ethnicity

In 2022, numbers and percentages of HIV diagnoses among persons aged 13–24 years were as follows (Table 8b, Figure 37):

- American Indian/Alaska Native—34 (<1%)
- Asian—117 (2%)
- Black/African American—3,555 (50%)
- Hispanic/Latino—2,173 (31%)
- Native Hawaiian/other Pacific Islander—15 (<1%)
- White—980 (14%)
- Multiracial—225 (3%)

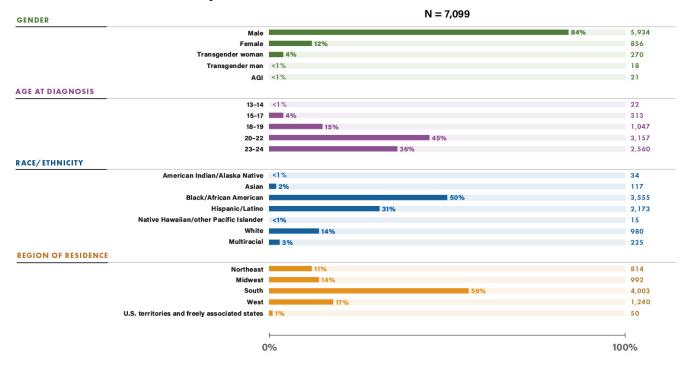
Rates (United States only) (Figure 38, Table 8a)

- Highest—Black/African American (48.7)
- Lowest—White (3.6)

Disparities by race/ethnicity

- Absolute disparity (rate difference)—If the rate of HIV diagnoses among Black/African American persons aged 13–24 years (48.7) was similar to the rate among White persons aged 13–24 years (3.6), then diagnoses would have been reduced by 45 cases per 100,000 population.
- Relative disparity (rate ratio)—The rate of diagnoses among Black/African American persons aged 13–24 years was 13.5 times the rate among White persons aged 13–24 years.

Figure 37. Diagnoses of HIV among persons aged 13–24 years, by selected characteristics, 2022—United States and 6 territories and freely associated states



Note. "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man. Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit." Hispanic/Latino persons can be of any race.

Region of residence

In 2022, numbers and percentages of HIV diagnoses among persons aged 13–24 years were as follows (Table 8b, Figure 37):

- Northeast—814 (11%)
- Midwest—992 (14%)
- South—4,003 (56%)
- West—1,240 (17%)
- U.S. territories and freely associated states—50 (1%)

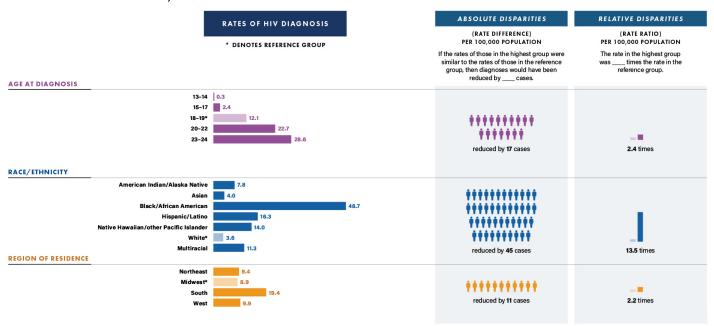
Rates (United States only) (Figure 38)

- Highest—South (19.4)
- Lowest—Midwest (8.9)

Disparities by region

- Absolute disparity (rate difference)—If the rate of HIV diagnoses among persons aged 13–24 years in the South (19.4) was similar to the rate among persons aged 13–24 years in the Midwest (8.9), diagnoses would have been reduced by 11 cases per 100,000 population.
- Relative disparity (rate ratio)—the rate of diagnoses among persons aged 13–24 years in the South was 2.2 times the rate among persons aged 13–24 years in the Midwest.

Figure 38. Rates and disparities of diagnoses of HIV among persons aged 13–24 years, by selected characteristics, 2022—United States



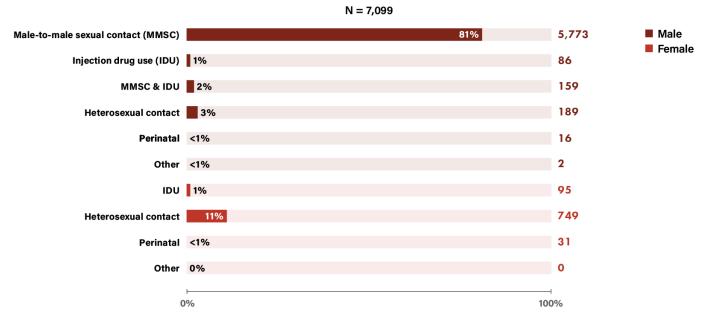
Note. Rates are per 100,000 population. Reference groups are based on the rate of the lowest group with >5% of cases. Hispanic/Latino persons can be of any race. Absolute disparity measures the difference between rates in groups with the highest rates and a reference group (Rate_{highest group} – Rate_{reference group}). Relative disparity (rate ratio) measures the rates in groups with the highest rates divided by a reference group (Rate_{highest group} ÷ Rate_{reference group}).

SAAB and transmission category

In 2022, the highest percentages of HIV diagnoses among persons aged 13–24 years were as follows (Figure 39):

- Male—MMSC (81%)
- Female—heterosexual contact (11%)

Figure 39. Diagnoses of HIV among persons aged 13–24 years, by sex assigned at birth and transmission category, 2022—United States and 6 territories and freely associated states



Note. Data have been statistically adjusted to account for missing transmission category. Male-to-male sexual contact includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact). Injection drug use includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers). Heterosexual contact includes heterosexual contact with a person known to have, or with a risk factor for, HIV. Perinatal includes persons aged ≥13 years at time of diagnosis of HIV. Other includes other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

CHILDREN AGED <13 YEARS AND PERINATAL TRANSMISSION

To make informed decisions about antiretroviral therapy to reduce perinatal transmission of HIV to infants, pregnant persons should know their HIV status. In 1995, the first recommendations for HIV counseling and voluntary testing for pregnant persons were published [30]. In 2006, CDC released revised recommendations for HIV testing which specified that opt-out HIV screening should be included in the routine panel of prenatal screening tests for all pregnant persons [31]. The annual number of diagnoses of perinatal



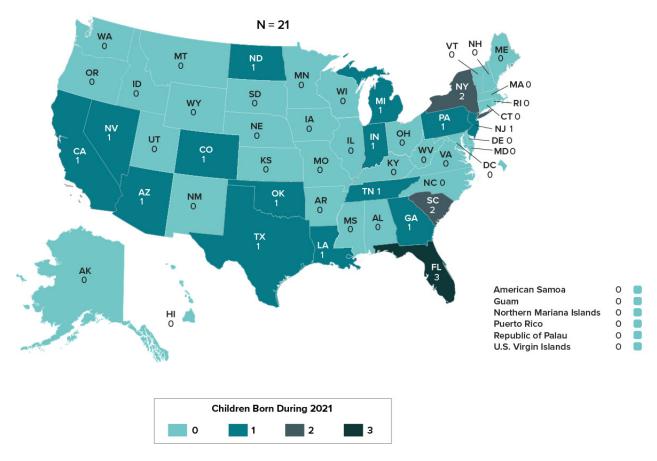
HIV in the United States and 6 territories and freely associated states has declined by more than 95% since the early 1990s [32]. The availability of effective interventions to prevent birthing person-to-child HIV transmission and the significant reduction in the number of infants with HIV in the United States have led CDC to develop goals to support the elimination of birthing person-to-child HIV transmission in the United States.

In 2021, 40 areas in the United States and 6 territories and freely associated states reported no perinatally acquired infections among infants born (Figure 40). Because of delays in the reporting of births and HIV diagnoses attributed to perinatal exposure, the exclusion of data for the most recent 2 years allowed at least 24 months for data from 2021 to be reported to CDC. Data reflect all infants with diagnosed, perinatally acquired HIV who were born in the United States and 6 territories and freely associated states during 2021, regardless of year of diagnosis.

HIV Diagnoses Among Children Aged <13 Years

In the United States and 6 territories and freely associated states, a total of 21 children aged <13 years and born during 2021 received an HIV diagnosis attributed to perinatal transmission (Figure 29).

Figure 40. Diagnoses of perinatally acquired HIV among children born during 2021—United States and 6 territories and freely associated states



Infected infants

From 2018 through 2021 in the United States and Puerto Rico, among the 170 children aged <13 years born with diagnosed, perinatally acquired HIV, time of birthing person's HIV testing was as follows (Figure 41):

- 45% were born to birthing persons who were tested before pregnancy
- 13% were born to birthing persons who were tested during pregnancy
- 6% were born to birthing persons tested at the time of birth
- 26% were born to birthing persons who were tested after the child's birth
- 9% were born to birthing persons whose time of birthing person's HIV testing was unknown

Exposed but not infected

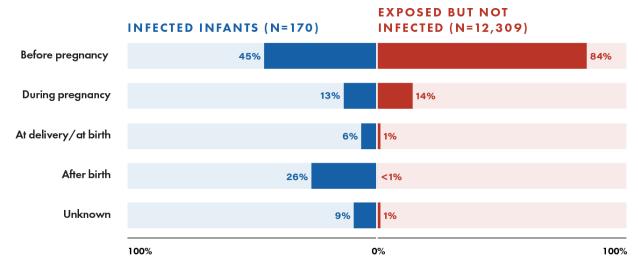
From 2018 through 2021 in the United States and Puerto Rico, among the 12,139 children aged <13 years born who were exposed but not perinatally infected with HIV, time of birthing person's HIV testing was as follows (Figure 41):

- 84% were born to birthing persons who were tested before pregnancy
- 14% were born to birthing persons who were tested during pregnancy
- 1% were born to birthing persons tested at the time of birth
- <1% were born to birthing persons tested after birth
- 1% were born to birthing persons whose time of birthing person's HIV testing was unknown



Note. The number of areas contributing exposure data varied by year. Because not all jurisdictions have exposure reporting in place, the number presented is likely a minimum count of the number of exposed infants in the United States and Puerto Rico.

Figure 41. Time of birthing person's HIV testing among children aged <13 years with diagnosed, perinatally acquired HV and children exposed to HIV, birth years 2018–2021—United States and Puerto Rico



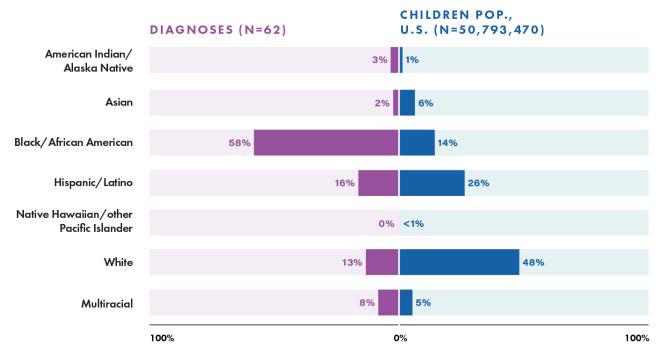
Note. The data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

Diagnoses



For percentages among children aged <13 years by race/ethnicity and U.S. population, see Figure 42.

Figure 42. Diagnoses of HIV and population among children aged <13 years, by race/ethnicity, 2022— United States



Note. Hispanic/Latino persons can be of any race.

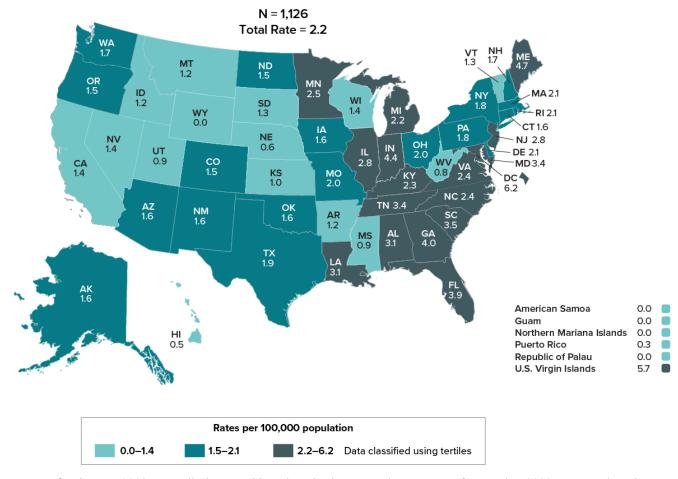
Prevalence Among Children Aged <13 Years

At year-end 2022 in the United States and 6 territories and freely associated states, children aged <13 years living with diagnosed HIV were as follows:

Overall (Figure 43)

- Approximately 1,126 children were living with diagnosed HIV
- The overall rate of children living with diagnosed HIV was 2.2

Figure 43. Children aged <13 years living with diagnosed HIV, year-end 2022—United States and 6 territories and freely associated states



Note. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Data are based on address of residence as of December 31, 2022 (i.e., most recent known address).

Prevalence and race/ethnicity (Table 16b)

- American Indian/Alaska Native—1%
- Asian—7%
- Black/African American—56%
- Hispanic/Latino—15%
- Native Hawaiian/other Pacific Islander—<1%
- White—12%
- Multiracial—8%

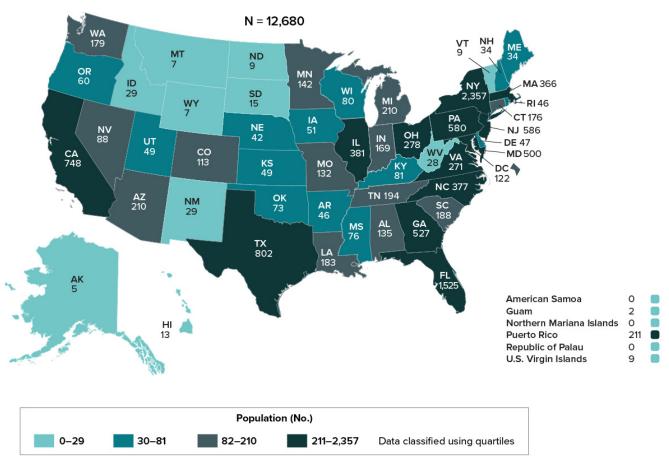
Prevalence, Perinatally Acquired HIV

At year-end 2022 in the United States and 6 territories and freely associated states, among those living with perinatally acquired HIV, percentages were as follows:

Overall (Figure 44, Table 16b)

- There were 12,680 persons living with diagnosed, perinatally acquired HIV
- Data reflect persons (i.e., children, adolescents, and adults) with diagnosed, perinatally acquired HIV who were alive at year-end 2022, regardless of their age at year-end 2022

Figure 44. Persons living with diagnosed, perinatally acquired HIV infection, year-end 2022—United States and 6 territories and freely associated states

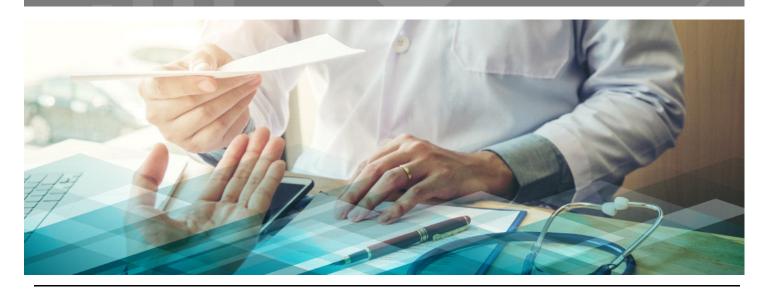


Note. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Data are based on address of residence as of December 31, 2022 (i.e., most recent known address).

Prevalence and race/ethnicity (Table 16b)

- American Indian/Alaska Native—<1%
- Asian—2%
- Black/African American—57%
- Hispanic/Latino—24%
- Native Hawaiian/other Pacific Islander—<1%
- White—10%
- Multiracial—7%

Technical Notes



A. SURVEILLANCE OF HIV INFECTION OVERVIEW

This report includes HIV surveillance data through 2022 and reported to CDC's National HIV Surveillance System (NHSS) through December 31, 2023. The data are from 50 states, the District of Columbia, and 6 U.S. territories and freely associated states (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 all persons (adults, adolescents, and children) with confirmed HIV diagnoses. Names and other directly identifying information are removed before reporting case information to CDC. Although AIDS cases have been reported to CDC since 1981, the date of implementation of HIV infection reporting has differed from jurisdiction to jurisdiction. All states, the District of Columbia, and 6 U.S. territories and freely associated states had fully implemented name-based HIV infection reporting by April 2008.

All data presented in this report are considered provisional (based on a \geq 12-month reporting delay) and subject to change as additional reports are submitted for HIV cases and HIV surveillance data quality improves with further evaluation of the surveillance system and data repository. Data are provisional and based on a 12-month reporting delay to allow sufficient time for HIV-related laboratory results and deaths to be reported to CDC. Because reporting delays can impact the reliability of data presented in this report, caution should be applied when interpreting the results. Please use caution when interpreting data on HIV diagnoses. HIV surveillance data on persons with diagnosed HIV may not be representative of all persons with HIV because not all 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, and some persons complete self-testing at home or in a private location; the results of anonymous tests and of self-tests are not reported to the confidential, name-based HIV registries of state and local health departments [25, 26]. Therefore, reports of confidential test results may not represent all persons who tested positive for HIV. In addition, testing patterns are influenced by many factors, including the extent to which testing is routinely offered to specific groups and the availability of, and access to, medical care and testing services. The data presented in this report provide minimum counts of persons for whom HIV has been diagnosed and reported to the surveillance system. Although all jurisdictions use a uniform case report form, surveillance practices in data collection and updating of case records may differ among jurisdictions.

Based on annual standard evaluation results [27], the completeness of reporting of HIV, as of December 2023, is estimated to be at least 85% in all but 1 jurisdiction. Data re-release agreements between CDC and state/local

HIV surveillance programs require specific levels of cell suppression at the state and county level to ensure confidentiality of personally identifiable information.

Caution: Data for the year 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state/local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022. Deaths in 2020 and beyond should be interpreted considering the impact of the COVID-19 pandemic. For additional information, see https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm. Death and prevalence data for the year 2022 are preliminary and based on death data received by CDC as of December 2023.

B. STAGES OF HIV INFECTION—CASE DEFINITIONS

Both the 2008 and 2014 HIV case definitions were used to classify HIV infection among persons aged \geq 13 years and among children <13 years [28, 29]. In the following lists, some bulleted items are paraphrases, not quotations, from the published surveillance case definitions. The intention is to emphasize the differences between the 2008 and 2014 case definitions.

B1. 2008 Case Definition

The 2008 case definition was used to classify cases diagnosed through 2013. For persons aged \geq 13 years, this definition incorporates an HIV infection staging system that includes AIDS (HIV infection, stage 3). The 2008 stages of HIV infection are defined as follows:

- HIV infection, stage 1—No AIDS-defining opportunistic illness (OI) and either CD4+ T-lymphocyte (CD4 lymphocyte) count of ≥500 cells/μL or CD4 percentage of total lymphocytes of ≥29.
- HIV infection, stage 2—No AIDS-defining OI and either CD4 lymphocyte count of 200–499 cells/μL or CD4 percentage of total lymphocytes of 14–28.
- HIV infection, stage 3 (AIDS)—Documentation of an AIDS-defining OI or either a CD4 lymphocyte count of <200 cells/µL or CD4 percentage of total lymphocytes of <14. Documentation of an AIDS-defining OI supersedes a CD4 lymphocyte count or percentage that would not, by itself, be the basis for a stage 3 (AIDS) classification.
- **HIV infection, stage unknown**—No reported information on AIDS-defining OIs and no information available on CD4 lymphocyte count or percentage.

B2. 2014 Case Definition

The 2014 case definition was used to classify cases diagnosed in 2014 and later. It is similar to the 2008 case definition except for the following:

- 1. inclusion of criteria for stage 0
- 2. inclusion of CD4 lymphocyte testing criteria for stage 3 in children <13 years
- 3. changes in the cutoffs for CD4 percentage of total lymphocytes used for classification of stages 1 and 2 in persons aged 6 years and older [3]

The stages of HIV infection in the 2014 case definition are based on age-specific CD4 lymphocyte counts or percentages of total lymphocytes and are defined as follows:

• HIV infection, stage 0: Determined by a first confirmed positive HIV test result of any type within 6 months after a negative or indeterminate HIV test result (antibody, combination antigen/antibody, or nucleic acid), or by a sequence of laboratory tests that demonstrate the presence of HIV-specific viral markers (such as p24 antigen or nucleic acid) within 6 months before or after an antibody test that had a

negative or indeterminate result. The stage 0 at HIV diagnosis classification remains stage 0 until 6 months after the first positive test result. The diagnosis of an AIDS-defining condition or a low CD4 test result within the first 6 months after stage 0 classification does not change the stage from stage 0 to stage 3. After 6 months, the stage may be classified as 1, 2, 3, or unknown if based on a CD4 test result or the diagnosis of an OI.

- HIV infection, stages 1, 2, and 3: Documentation of an AIDS-defining OI (excluding stage 0 as described above) is stage 3. Otherwise, the stage is determined by the lowest CD4 lymphocyte test result:
 - Stage 1—CD4 lymphocyte count of \geq 500 or a CD4 percentage of total lymphocytes of \geq 26
 - O Stage 2—CD4 lymphocyte count of 200–499 or a CD4 percentage of total lymphocytes of 14–25
 - Stage 3—CD4 lymphocyte count of <200 or a CD4 percentage of total lymphocytes of <14 or documentation of an AIDS-defining condition.
- **HIV infection, stage unknown**: No reported information on AIDS-defining OIs and no information available on CD4 lymphocyte count or percentage.

C. TABULATION AND PRESENTATION OF DATA

The data in this report include information received by CDC through December 31, 2023. The data are organized into 2 sections: National Profile and Special Focus Profiles. Tables are presented in 2 formats: (1) the first format—labeled "a"—exclude data from the 6 U.S. territories and freely associated states (American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the Republic of Palau, and the U.S. Virgin Islands), and (2) the second format—labeled "b"—include data from the 6 U.S. territories and freely associated states.

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

C1. Definitions and Data Specifications

C1.1 Diagnoses

In this report, the term *diagnosis of HIV* is defined as a diagnosis of HIV regardless of the stage of disease (stage 0, 1, 2, 3 [AIDS], or unknown) and refers to all persons with a diagnosis of HIV.

The data on HIV diagnoses reflect the date of diagnosis (diagnosed by December 31, 2022; reported to NHSS as of December 31, 2023), not the date of report to NHSS. In addition,

- data from all areas are included in figures and tables displaying numbers and rates of HIV diagnoses, by selected characteristics, area of residence, and metropolitan statistical area (MSA) (Figures 1–8, 16–44; Tables 1a/b–10a/b, 20, 22, and A1).
- tables presenting diagnosis data, region or area of residence reflects the address at the time of HIV diagnosis.
- tables presenting exposure data, only include transgender and AGI persons aged ≥13 years at time of diagnosis of HIV.

Note. 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. An evaluation of surveillance data (2017–2021 diagnoses) found that, on average, approximately 80% of HIV diagnoses were reported to CDC during the year of diagnosis and approximately 98% of HIV diagnoses were reported to CDC by the end of the following year.

C1.2 Deaths (Any Cause and HIV-related)

Persons reported to NHSS are assumed alive unless their deaths have been reported to CDC. In addition,

- data for the year 2022 are preliminary and based on death data received by CDC as of December 31, 2023.
- deaths of persons with diagnosed HIV (Figures 9–11; Tables 11a/b–14a/b) labeled as "any cause" may not be due to HIV.
- data on HIV-related deaths of persons with diagnosed HIV (Figures 12 and 13; Tables 11a/b) are now included in the report.
- death data are based on a 12-month reporting delay to allow data to be reported to CDC.
- death data by region or area of residence is based on residence at death; when information on residence at death is not available, the state where a person's death occurred is used; when both residence at death and state where a person's death occurred are not available, the most recent known address on or before the date of death is used.
- due to incomplete reporting of deaths for the year 2022, death data for Guam, Mississippi, South Carolina, U.S. Virgin Islands, and Utah should be interpreted with caution.

C1.3 Prevalence

Prevalence data reflect persons living with diagnosed HIV, regardless of stage of disease, at year-end 2022 (Figures 14, 15, 43, and 44; Tables 15a/b–22 and A2). In addition,

- data for the year 2022 are preliminary and based on death data received by CDC as of December 31, 2023.
- 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.
- due to incomplete reporting of deaths for the year 2022, prevalence data for Guam, Mississippi, South Carolina, U.S. Virgin Islands, and Utah should be interpreted with caution.

C2. Rates

Rates per 100,000 population were calculated for (1) the numbers of diagnoses of HIV, (2) the numbers of deaths of persons with diagnosed HIV, and (3) the numbers of persons living with diagnosed HIV.

Rates were computed as follows:

For the 50 states, the District of Columbia, and Puerto Rico, the population denominators used to compute rates were based on the Vintage 2022 postcensal estimates file from the U.S. Census Bureau [38].

- For American Samoa, Guam, the Northern Mariana Islands, the Republic of Palau, and the U.S. Virgin Islands, the population denominators were based on estimates and projections from the U.S. Census Bureau's International Data Base [39].
- Each rate was calculated by dividing the total number of diagnoses (or deaths or prevalence) for the calendar year by the population for that calendar year and then multiplying the result by 100,000.
- The denominators used for calculating the rates specific to age, sex assigned at birth, and race/ethnicity were computed by applying the appropriate vintage estimates for age, sex assigned at birth, and race/ethnicity for the 50 states and the District of Columbia [38]. 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 Note below).
- For the other 5 U.S. territories and freely associated states, estimates from the U.S. Census Bureau's International Data Base were used for age- and sex-specific population denominators [39].

Note. CDC currently does not provide subpopulation rates for the following:

- Race/ethnicity for the 6 U.S. territories and freely associated states because the U.S. Census Bureau does not collect information from all 6 U.S. territories and freely associated states.
- Gender, transmission categories, and exposure categories because of the absence of denominator data from the U.S. Census Bureau, the source of denominator data used for calculating all rates in this report.

C2.1 Disparity Measures

This report includes absolute and relative measures of disparities. The literature recommends use of at least one absolute and one relative disparity measure to monitor the magnitude and direction of disparities [40]. The absolute rate difference and the relative rate ratio disparity measures were chosen because they are used by federal initiatives—Healthy People 2030, NHAS, EHE, and the Playbook—to measure progress in HIV indicators. In addition,

- absolute disparity measures the simple difference between 2 rates (i.e., Rate₁-Rate₂). The absolute difference measures the magnitude of the difference, which provides some indication of how many lives would be improved if the difference between the 2 rates was eliminated or reduced (i.e., preventable cases) [41].
- relative disparity measure is the rate ratio between 2 rates (i.e., Rate₁÷Rate₂). The relative disparity measures the relative magnitude of the disparity.
- for this report, Rate₂ is the reference group and is based on the lowest group rate with more than 5% of cases.

D. DEMOGRAPHIC INFORMATION

D1. Age

For this report, age assignments are based on the following:

- For prevalence data, based on the person's age based on most recent known address as of the end of the specified year.
- For death data, determined by the person's age at time of death.
- For all other tables, based on the person's age at the time of HIV diagnosis.

D2. Sex/Gender

D2.1 Sex Assigned at Birth (SAAB)

Sex designations in this report are based on a person's sex assigned at birth.

D2.2 Gender

Gender identity refers to a person's internal understanding of their own gender, or gender with which a person identifies. HIV surveillance personnel collect data on gender identity, 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 health department databases (e.g., Ryan White program data). A person's transgender status in NHSS is determined based on two variables: sex assigned at birth and current gender identity. Both variables are examined, using a two-step approach, to assess transgender status. Cisgender is a term used to indicate that a person's sex assigned at birth and current gender identity are the same (i.e., a person assigned male at birth and who currently identifies as a man is a cisgender male).

Categories

- Man: a person assigned "male" sex at birth who identifies as a man.
- Woman: a person assigned "female" sex at birth who identifies as a woman.
- Transgender woman/girl: a person assigned "male" sex at birth who identifies as a woman.
- Transgender man/boy: a person assigned "female" sex at birth who identifies as a man.
- Additional gender identity (AGI): a person assigned "male" or "female" sex at birth who does not identify as a man, woman, transgender woman, or transgender man. AGI includes "nonbinary," "gender queer," and "two-spirit."

D3. Race and Ethnicity

In the *Federal Register* [42] for October 30, 1997, the Office of Management and Budget (OMB) announced the Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity. Implementation by January 1, 2003, was mandated. At a minimum, data on the following race categories should be collected:

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or other Pacific Islander
- White

Additionally, systems must be able to retain information when multiple race categories are reported. In addition to data on race, data on 2 categories of ethnicity should be collected:

- · Hispanic or Latino
- not Hispanic or Latino

The Asian or Pacific Islander category displayed in annual surveillance reports published prior to the 2007 surveillance report was split into 2 categories: (1) Asian and (2) Native Hawaiian or other Pacific Islander. The Asian category (in tables where footnoted) includes the cases in Asian/Pacific Islander persons (referred to as legacy cases) that were reported before the implementation of the new race categories in 2003 (e.g., cases of HIV that were diagnosed and reported to CDC before 2003 but that were classified as stage 3 [AIDS] after 2003) and a small percentage of cases that were reported after 2003 but that were reported according to the old race category (Asian/Pacific Islander). In tables of HIV diagnoses during 2018–2022, the Asian category does not include Asian/Pacific Islander cases because these cases were diagnosed after 2003 and were reported to CDC in accordance with OMB's Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity [42].

This report also presents data for persons for whom multiple race categories are reported (i.e., multiracial). In this report, persons categorized by race were not Hispanic or Latino. The number of persons reported in each race category may, however, include persons whose ethnicity was not reported.

Race and ethnicity are not risk factors but are instead markers for many underlying problems of greater relevance to health, including socioeconomic status and cultural behavior-characteristics, which are social and not biological [43, 44]. Racial and ethnic differences in health are more likely to reflect profound differences in people's experiences based on the relatively advantaged or disadvantaged position in society into which they are born [44, 45]. Social determinant of health factors, shaped by income, education, wealth, and socioeconomic conditions, vary systematically by race and ethnicity and are important in explaining differences in health outcomes [45].

D4. Transmission Categories

Transmission category is the term for the classification of cases that summarizes a person's (aged ≥ 13 years) 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 is counted only once in the hierarchy of transmission categories [46]. Persons aged ≥ 13 years with more than 1 reported risk factor for HIV are classified in the transmission category listed first in the hierarchy. The exception is male-to-male sexual contact *and* injection drug use; this group makes up a separate transmission category.

Hierarchical Categories

- Male-to-male sexual contact (MMSC): includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).
- Injection drug use (IDU): includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).
- Male-to-male sexual contact and injection drug use (MMSC/IDU): includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males (or with both males and females [i.e., bisexual contact]) and injected nonprescription drugs or injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).
- **Heterosexual contact**: includes persons who have ever had heterosexual contact with a person known to have, or with a risk factor for, HIV.
- **Perinatal**: includes persons who acquired HIV through birthing person-to-child transmission (i.e., during pregnancy, childbirth, breastfeeding/chestfeeding, or when receiving premasticated/prechewed food).
- Other: includes persons with other risk factors (e.g., blood transfusion, hemophilia) or whose risk factor was not reported or not identified.

Cases of HIV 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 are reported to CDC without an identified risk factor, multiple imputation is used to assign a transmission category to these cases [46]. Multiple imputation is a statistical approach in which each missing transmission category is replaced with a set of plausible values that represent the uncertainty about the true, but missing, value [47]. 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 for persons \geq 13 years, but not for children aged <13 years (because the number of cases in children is small, missing transmission categories were not imputed).

D4.2 Exposure category

Exposure category is the term for classifying patient history data (individual risk behaviors or events) by assigning individual risk behaviors or events into mutually exclusive categories. They are meant to convey all the known ways a person could have been exposed to HIV. The exposure category classification was developed as an alternative to the hierarchical transmission category classification. For the presentation of data in this report, exposure category is used for the classification of transgender and AGI persons based on the risk factors

that may have been responsible for HIV transmission; classification has no presumed hierarchical order of probability, except for rare circumstances where route of transmission has been confirmed through investigation. The categories are mutually exclusive. Data were not statistically adjusted to account for missing exposure category.

Categories

- Sexual contact: includes persons assigned "male" sex at birth, who reported sexual contact with any person. For persons assigned "female" sex at birth, they reported sexual contact with a person assigned "male" sex at birth.
- Injection drug use (IDU): includes persons who inject nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).
- Sexual contact and IDU: includes persons assigned "male" sex at birth, who reported sexual contact with any person and injected nonprescription drugs or injected prescription drugs for nonmedical purposes. For persons assigned "female" sex at birth, they reported sexual contact with a person assigned "male" sex at birth and injected nonprescription drugs or injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).
- **Perinatal**: includes persons who acquired HIV through birthing person-to-child transmission (i.e., during pregnancy, childbirth, breastfeeding/chestfeeding, or when receiving premasticated/prechewed food).
- Other: includes persons with other risk factors (e.g., blood transfusion, hemophilia) or whose risk factor was not reported or not identified.

Cases of HIV reported without a risk factor listed for exposure 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 declined to be interviewed, were lost to follow-up, or died; and cases in persons who were interviewed or for whom other follow-up information was available but for whom no risk factor was identified.

E. GEOGRAPHIC DESIGNATION

E1. U.S. Census Regions

Data by region reflect the following:

- For diagnoses, region is based on address at the time of diagnosis of HIV (Figures 4, 10, 17, 19, 20, 22, 23, 28, 31, 32, and 38; Tables 1a/b–8a/b).
- For prevalence, region is based on most recent known address as of the end of the specified year (Tables 15a/b–19a/b).
- For deaths, region is based on residence at death. When information on residence at death is not available, the state where a person's death occurred is used (Figures 11–13; Tables 11a/b–14a/b).

The 4 regions of residence and 6 U.S. territories and freely associated states 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. territories and freely associated states: American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the Republic of Palau, and the U.S. Virgin Islands

E2. Metropolitan Statistical Areas

Table 22 (data on diagnosed HIV and prevalence of diagnosed HIV) presents numbers and rates of diagnoses and prevalence, by MSA, for areas with populations of 500,000 or more. The MSAs listed in these tables were defined according to OMB's last update (March 6, 2020) of statistical areas [48]. In 2022, U.S. Census Bureau county-level data transitioned from 8 counties to 9 planning regions in Connecticut [49]. While Census data was provided for Connecticut planning regions, these entities were not delineated to MSAs for the Vintage 2022 population estimates. Consequently, there were no available population estimates for MSAs that were defined by the OMB March 2020 Bulletin with respect to Connecticut planning regions.

F. LIMITATIONS OF DATA AND FINDINGS

Readers are encouraged to keep the following caveats and limitations in mind when reviewing and using data presented in the *HIV Surveillance Report* and other surveillance products.

- **Testing patterns**. The scope to which routine testing is offered to specific groups and the availability of, and access to, medical care and testing services may influence diagnosis trends.
- Case reporting. HIV surveillance programs collect HIV surveillance data in a standardized way; however, surveillance practices may vary among jurisdictions. For example, not all persons who received a positive HIV test result may be registered in the confidential, name-based HIV registries of HIV surveillance programs due to the use of anonymous HIV testing and home HIV self-testing. The data presented in this report provide minimum counts of persons for whom HIV has been diagnosed and reported to the HIV surveillance program. An evaluation of surveillance data (2017–2021 diagnoses) found that, on average, approximately 80% of HIV diagnoses were reported to CDC during the year of diagnosis and approximately 98% of HIV diagnoses were reported to CDC by the end of the following year. Consequently, these reporting delays may result in lower numbers than those presented in later reports; however, fluctuations in the number of diagnoses for a calendar year typically subside after two to three years of reporting.
- Cases with no reported or identified risk factor. A substantial proportion of cases in NHSS are reported without any, or insufficient, patient history information to be classified into a known transmission or exposure category and it varies across HIV surveillance programs. Multiple imputation is used to assign a transmission category to cases reported without any, or insufficient, risk information to be classified into a known transmission category [18]; thus, data on transmission category presented in national products do not directly reflect collected case data. Multiple imputation is not used for pediatric cases. If minimum criteria are met, HIV surveillance programs can opt to use a multiple imputation approach.
- **Duplicates**. Case records are routinely reviewed for potential duplicate entries at both the state/local jurisdiction- and national-level, and resolution is completed within and between states. However, there may be cases that appear more than once in the national dataset that have not been deemed duplicates; likewise, there may be cases that have been determined to be duplicates but are unique cases.

- Data availability.
 - **Preliminary data**. Data are considered preliminary when based on an NHSS dataset created before a 12-month reporting delay has been reached.
 - Provisional data. Data are considered provisional when based on an NHSS dataset created after a 12-month reporting delay has been reached. Diagnoses data in this report are provisional and replace all previously published data on HIV diagnoses for the same data years. The data provided in this report should not be combined with or compared to previously published data.
- **Death data**. Deaths of persons with diagnosed HIV labeled as "any cause" may be due to any cause (i.e., may or may not be related to HIV) and includes deaths with an unknown underlying cause. HIV-related deaths include deaths with an underlying cause with an International Classification of Diseases, Tenth Revision code of B20–B24, O98.7, or R75. Non–HIV-related deaths include all other deaths with a known underlying cause. HIV-related deaths and non–HIV-related deaths numbers and percentages exclude deaths with an unknown underlying cause. Deaths for the most recent report year (2022) should be considered preliminary and are based on a 12-month reporting delay to allow time for death data to be reported to CDC.
- **Denominator data**. Rates are not provided by race/ethnicity for the 6 U.S. territories and freely associated states and are also not provided for gender, transmission, and exposure categories due to the lack of population, or denominator, data from the U.S. Census. Due to the lack of rates, these demographics were not evaluated in this report for absolute and relative disparities (measures that could improve the understanding of health equity in these populations).

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ADDITIONAL RESOURCES

The following were prepared by using HIV surveillance data:

- NCHHSTP AtlasPlus [interactive tool for accessing HIV, STD, TB, and hepatitis data]: https://gis.cdc.gov/grasp/nchhstpatlas/main.html
- MMWR articles (selected): https://www.cdc.gov/mmwr/index.html
- Other surveillance reports: https://www.cdc.gov/hiv-data/nhss/index.html
- Public-use slides updated annually: https://www.cdc.gov/hiv-data/resources/index.html

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Table 1a. Diagnoses of HIV infection, by year of diagnosis and selected characteristics, 2018–2022—United States

	20	18	20	19	2020 (Co pande	OVID-19 mic) ^a	20	21	20)22
	No.	Rate	No.	Rateb	No.	Rate	No.	Rate	No.	Rate
Gender										
Man	29,453	_	28,762	_	24,203	_	28,268	_	29,728	_
Woman	6,999	_	6,847	_	5,386	_	6,476	_	6,942	_
Transgender woman/girl ^c	691	_	720	_	719	_	873	_	868	_
Transgender man/boy ^C	48 26	_	45 34	_	41 26	_	60 47	_	59 66	_
Additional gender identity ^d	20	_	34	_	20	_	47	_	00	_
Age at diagnosis (yr) <13	85	0.2	58	0.1	58	0.1	53	0.1	62	0.1
13–14	20	0.2	21	0.3	14	0.2	15	0.2	22	0.3
15–19	1,722	8.2	1,654	7.9	1,280	5.8	1,467	6.8	1,350	6.2
20–24	6,140	28.1	6,005	27.7	4,873	22.1	5,528	24.6	5,677	25.0
25–29	7,670	32.6	7,401	31.4	6,088	26.7	6,722	30.0	7,190	32.4
30–34	5,627	25.4	5,635	25.1	5,219	22.9	6,346	27.5	6,841	29.4
35–39	4,154	19.3	4,088	18.8	3,384	15.3	4,383	19.7	4,761	21.4
40–44 45–49	2,935 2,743	14.9 13.2	2,919 2,568	14.7 12.6	2,462 2,044	11.9 10.1	3,130 2,284	14.9 11.6	3,522 2,416	16.4 12.3
50–54	2,743	11.6	2,300	11.1	1,828	8.8	2,204	10.1	2,100	10.1
55–59	1,814	8.3	1,824	8.3	1,564	7.1	1,768	8.2	1,743	8.3
60–64	1,031	5.1	1,101	5.4	875	4.2	1,103	5.2	1,107	5.2
65–69	483	2.8	500	2.9	423	2.4	538	2.9	503	2.7
70–74	247	1.8	229	1.6	166	1.1	186	1.2	234	1.5
≥75	137	0.6	133	0.6	97	0.4	103	0.5	135	0.6
Race/ethnicity	400		404						0.4-	
American Indian/Alaska Native	166	6.9	181	7.5	178	7.4	211	8.7	217	9.0
Asian	844 15,434	4.5	718	3.8	599 12,566	3.1	731	3.7	796	3.9
Black/African American Hispanic/Latino ^e	9,944	37.7 16.7	15,161 9,932	36.8 16.4	8,173	30.1 13.2	14,335 10,147	34.2 16.2	14,582 11,814	34.7 18.6
Native Hawaiian/other Pacific Islander	53	8.9	56	9.3	60	9.7	73	11.7	83	13.1
White	9,230	4.7	8,894	4.5	7,655	3.9	8,986	4.6	9,110	4.6
Multiracial	1,546	21.5	1,466	19.9	1,144	15.0	1,241	15.9	1,061	13.3
Transmission category ^f										
Male sex at birth (≥13 yr at diagnosis) ⁹										
Male-to-male sexual contacth	24,346 1,373	_	23,827	_	20,462	_	23,785	_	25,193	_
Injection drug use ¹	1,373	_	1,371	_	1,191	_	1,440	_	1,465	_
Male-to-male sexual contacth and injection drug use	1,567	_	1,617	_	1,240	_	1,437	_	1,323	_
Heterosexual contact	2,813	_	2,628	_	2,004	_	2,471	_	2,605	_
Perinatal ^k Other ^l	15 17	_	20 17	_	9 14	_	11 16	_	19 17	_
Subtotal	30,131	22.5	29,481	21.8	24,921	18.1	29,159	21.0	30,621	22.0
Female sex at birth (≥13 yr at diagnosis) ^g	00,101	22.0	20,101		21,021	10.1	20,100	21.0	00,021	
Injection drug use	1,134	_	1,190	_	886	_	1,096	_	1,156	_
Heterosexual contact ^j	5,830	_	5,644	_	4,479	_	5,380	_	5,775	_
Perinatal ^k	31	_	30	_	27	_	30	_	45	_
Other ^I	_ 7		5		_ 5	_	. 5		4	
Subtotal	7,001	5.0	6,869	4.9	5,396	3.8	6,512	4.6	6,980	4.9
Child (<13 yr at diagnosis)										
Perinatal	68	_	48	_	49	_	43	_	54	_
Other ¹	17 85	0.2	10 58	0.1	9 58	0.1	10 53	0.1	8 62	0.1
Subtotal	00	0.2	56	U. I	00	U. I	53	U. I	02	U. I
Region of residence ^m Northeast	5,552	9.9	5,324	9.5	4,273	7.4	4,898	8.6	5,080	8.9
Midwest	4,948	7.2	4,784	7.0	4,273	6.0	4,837	7.0	4,903	7.1
South	19,075	15.3	18,856	15.0	15,498	12.3	18,628	14.6	19,822	15.4
West	7,642	9.8	7,444	9.5	6,479	8.2	7,361	9.4	7,858	10.0
	,		,		30,375		35,724		37,663	

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

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

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

^c "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

d Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

^e Hispanic/Latino persons can be of any race.

Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

⁹ Data include transgender and additional gender identity persons.

h Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

^k Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

m Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

Table 1b. Diagnoses of HIV infection, by year of diagnosis and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

	20	18	20	10	2020 (CC pande	OVID-19	202	21	20	22
	No.	Rateb	No.	Rate ^b	No.	Rateb	No.	Rate ^b	No.	Rate
Gender										
Man	29,829	_	29,097	_	24,466	_	28,607	_	30,041	_
Woman	7,082	_	6,928	_	5,433	_	6,561	_	7,008	_
Transgender woman/girl ^c	694	_	722	_	722	_	874	_	869	_
Transgender man/boy ^c	48	_	45	_	41	_	60	_	59	_
Additional gender identity ^d	26	_	34	_	26	_	47	_	66	_
Age at diagnosis (yr)	85	0.2	58	0.1	58	0.1	53	0.1	62	0.1
13–14	20	0.2	21	0.1	14	0.1	15	0.1	22	0.3
15–19	1,740	8.2	1,660	7.8	1,289	5.8	1,475	6.8	1,360	6.2
20–24	6,205	28.1	6,063	27.7	4,921	22.0	5,581	24.5	5,717	24.9
25–29	7,747	32.6	7,459	31.4	6,131	26.6	6,805	30.0	7,255	32.3
30–34	5,686	25.5	5,693	25.1	5,260	22.9	6,389	27.5	6,905	29.3
35–39	4,188	19.2	4,128	18.8	3,421	15.3	4,429	19.8	4,812	21.4
40–44	2,979	15.0	2,957	14.7	2,490	12.0	3,177	14.9	3,555	16.4
45–49 50–54	2,789 2,458	13.3 11.6	2,605 2,301	12.6 11.1	2,065 1,858	10.1 8.9	2,316 2,140	11.6 10.1	2,452 2,124	12.4 10.1
55–59	1,843	8.3	1,862	8.4	1,592	7.2	1,790	8.2	1,767	8.3
60–64	1,049	5.1	1,127	5.4	891	4.2	1,125	5.3	1,119	5.2
65–69	497	2.9	516	2.9	430	2.4	554	3.0	515	2.7
70–74	253	1.9	240	1.7	171	1.2	194	1.3	239	1.6
≥75	140	0.6	136	0.6	97	0.4	106	0.5	139	0.6
Race/ethnicity										
American Indian/Alaska Native	166	_	181	_	178	_	211	_	217	_
Asian	848	_	725	_	599	_	732	_	796	_
Black/African American	15,446 10,382	_	15,169 10,325	_	12,572 8,478	_	14,341 10,558	_	14,589 12,177	_
Hispanic/Latino ^e Native Hawaiian/other Pacific Islander	10,362	_	60	_	61	_	73	_	83	_
White	9,235	_	8,900	_	7,656	_	8,993	_	9,120	_
Multiracial	1,547	_	1,466	_	1,144	_	1,241	_	1,061	_
Transmission category ^f	,-		,		,		,		,	
Male sex at birth (≥13 yr at diagnosis) ⁹										
Male-to-male sexual contact ^h	24,622	_	24,064	_	20,662	_	24,041	_	25,422	_
Injection drug use ^I	1,399	_	1,393	_	1,210	_	1,458	_	1,490	_
Male-to-male sexual contacth and injection drug use	1,578	_	1,629	_	1,244	_	1,439	_	1,327	_
Heterosexual contact ^j	2,879	_	2,694	_	2,047	_	2,535	_	2,660	_
Perinatal ^k Other ^l	15 17	_	20	_	9 14	_	11	_	19 17	_
Subtotal	17 30,510	22.5	17 29,818	21.9	25,187	 18.1	16 29,499	21.1	30,935	22.0
Female sex at birth (≥13 yr at diagnosis) ^g	30,310	22.0	23,010	21.5	25,107	10.1	25,455	21.1	30,333	22.0
Injection drug use ¹	1,136	_	1,195	_	889	_	1,098	_	1,161	_
Heterosexual contact ^j	5,910	_	5,720	_	4,523	_	5,464	_	5,835	_
Perinatal ^k	31	_	30	_	27	_	30	_	46	_
Other ^l	7	_	5	_	5	_	5	_	4	_
Subtotal	7,084	5.0	6,950	4.9	5,443	3.8	6,597	4.6	7,046	4.9
Child (<13 yr at diagnosis)										
Perinatal	68	_	48	_	49	_	43	_	54	_
Other ^l Subtotal	17 85	0.2	10 58	0.1	9 58	0.1	10 53	0.1	8 62	0.1
Region of residence ^m	ŎϽ	0.2	ÖĞ	U. I	56	U. I	53	U. I	02	U. I
Northeast	5,552	9.9	5,324	9.5	4,273	7.4	4,898	8.6	5,080	8.9
Midwest	4,948	7.2	4,784	7.0	4,273	6.0	4,837	7.0	4,903	7.1
South	19,075	15.3	18,856	15.0	15,498	12.3	18,628	14.6	19,822	15.4
West	7,642	9.8	7,444	9.5	6,479	8.2	7,361	9.4	7,858	10.0
U.S. territories and freely associated states	462	12.9	418	11.6	313	8.5	425	11.6	380	10.5
Total	37,679	11.4	36,826	11.1	30,688	9.2	36,149	10.8	38,043	11.3

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution.

^a Data for 2000, which existing day with the present of the COVID 19 pands rise should be interpreted with caution.

a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b Rates are per 100,000 population. Rates are not calculated by gender or transmission or exposure category because of the lack of denominator data for territories and freely associated states.

c "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

d Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

^e Hispanic/Latino persons can be of any race.

Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

⁹ Data include transgender and additional gender identity persons.

¹ Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

^k Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

Table 2a. Diagnoses of HIV infection, by race/ethnicity and selected characteristics, 2022—United States

Cander C		Ind	erican lian/	Λ.	vian		African	Hispa		other	lawaiian/ Pacific	\A/L	nito	N114:	racial	т.	ntal .
Sender Man																	
Man	Gender	110.	ruto		Nato	110.	Nuto	110.	ituto	110.	ruto	110.	ruto	110.	Nuto	110.	ituto
Woman		152	_	672	_	10,677	_	10,066	_	67	_	7,302	_	792	_	29,728	_
Transgender womanloging 6 - 14 - 354 - 342 - 4 - 111 - 37 - 868 - Transgender womanloging of the property of t	Woman		_		_		_		_		_		_	228	_		
Additional gender identity ⁴ 1 - 5 - 19 - 21 - 0 - 17 - 3 - 66 - Age at diagnosis (yr) 43	Transgender woman/girl ^c	6	_	14	_		_	342	_	4	_		_	37	_	868	_
Age at diagnosis (yr)		0	_	-	_		_		_		_		_		_		
\$\sqrt{3}	Additional gender identity ^d	1	_	5	_	19	_	21	_	0	_	17	_	3	_	66	_
13-14	Age at diagnosis (yr)																
16-19		2		1				10		0		8		5			
20-24			0.0					-		0		-					
25-29																	
30–34																	
35–39																	
40–44																	
45-49 10 7.3 58 3.9 808 32.7 760 18.8 6 15.3 721 6.4 53 18.4 2,416 12.3 50-54 13 3 9.2 52 3.8 749 29.2 559 14.3 3 8.1 705 5.5 59 22.2 2,100 10.1 55-59 10 6.8 29 2.4 564 22.1 424 13.6 4 11.3 674 4.9 38 16.2 1,743 8.3 60-64 3 2.1 21 2.0 438 17.9 206 8.1 1 3.1 412 2.8 26 11.7 1,107 5.2 65-69 1 0.8 6 0.6 20.7 10.4 85 4.5 0 0.0 18.9 1.4 15 8.3 503 2.7 70-74 1 1.1 2 0.3 89 6.0 46 3.4 1 5.1 89 0.8 6 4.5 234 1.5 276 0 0.0 5 0.4 53 2.7 25 1.2 1 2.5 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.8 1.5 25 1.2 1 2.5 3.5 1.2 1 2.5 3.5 1.2 1 2.5 3.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5 1.2 1 2.5																	
50-54																	
55-59 10 6.8 29 2.4 564 22.1 424 13.6 4 11.3 674 4.9 38 16.2 1.743 8.3 60-64 3 2.1 21 2.0 438 17.9 206 8.1 1 3.1 412 2.8 26 11.7 1.107 5.2 65-69 1 1 0.8 6 0.6 207 10.4 85 4.5 0 0.0 189 1.4 15 8.3 503 2.7 70-74 1 1 1.1 2 0.3 89 6.0 46 3.4 1 5.1 89 0.8 6 4.5 234 1.5 275 0 0 0.0 5 0.4 53 2.7 25 1.2 1 3.7 49 0.3 2 10 135 0.6 1.5 275 0 0 0.0 5 0.4 53 2.7 25 1.2 1 3.7 49 0.3 2 10 135 0.6 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5																	
60-64 3 2.1 21 2.0 4.8 17.9 206 8.1 1 3.1 412 2.8 26 11.7 1.107 5.2 65-69 1 1 0.8 6 0.6 207 10.4 85 4.5 0 0.0 189 1.4 15 8.3 503 2.7 70-74 1 1 1.1 2 0.3 89 6.0 46 3.4 1 5.1 89 0.8 6 4.5 234 1.5 ≥75 0 0.0 0.0 5 0.4 53 2.7 25 1.2 1 3.7 49 0.3 2 1.0 135 0.6 ≥75 0 0 0.0 5 0.4 53 2.7 25 1.2 1 3.7 49 0.3 2 1.0 135 0.6 ≥75																	
65-69																	
70-74		3								•							
Transmission category® Male sex at birth (≥13 yr at diagnosis)¹ Male-to-male sexual contact 114	00-09	1															
Transmission category® Male sex at birth (≥13 yr at diagnosis)¹ Male sex at birth (≥13 yr at diagnosis)¹ 114 — 625 — 8,828 — 9,156 — 60 — 5,730 — 680 — 25,193 — Injection drug use¹¹ 15 — 17 — 396 — 336 — 3 — 655 — 43 — 1,465 — Male-to-male sexual contact ⁹ and inguse¹¹ 11 — 36 — 1,518 — 578 — 5 — 407 — 51 — 2,605 — Heterosexual contact¹¹ 11 — 36 — 1,518 — 578 — 5 — 407 — 51 — 2,605 — Perinatal¹ 0 — 1 — 6 — 33 — 0 — 1,156 — Otherit <td< td=""><td></td><td>١</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		١								-							
Male sex at birth ≥ 13 yr at diagnosis Male to-male sexual contact 114		U	0.0	3	0.4	55	2.1	25	1.2	1	5.1	43	0.5	2	1.0	133	0.0
Male-to-male sexual contact ⁹ 114		• \f															
Injection drug use				005		0.000		0.450		00		F 700		000		05 400	
Male-to-male sexual contact ⁹ and 18			_		_		_		_		_		_		_		
Heterosexual contact 11			_				_				_		_		_		_
Heterosexual contact		10	_	13	_	204	_	331	_	2	_	023	_	ეა	_	1,323	_
Perinatal		11		26		1 510		E70		E		407		E1		2 605	
Other ^k 0 − 1 − 6 − 3 − 0 − 6 − 17 − Subtotal 158 15.8 691 8.3 11,023 66.3 10,426 40.8 71 26.9 7,424 8.7 828 31.0 30,621 22.0 Female sex at birth (≥13 yr at diagnosis)* Value Nother			_			1,010	_		_		_		_		_		
Subtotal 158 15.8 691 8.3 11,023 66.3 10,426 40.8 71 26.9 7,424 8.7 828 31.0 30,621 22.0 Female sex at birth (≥13 yr at diagnosis) ^f Injection drug use ^h 26 — 7 — 309 — 169 — 6 — 597 — 42 — 1,156 — Heterosexual contact ⁱ 31 — 95 — 3,181 — 1,203 — 6 — 1,075 — 184 — 5,775 — Perinatal 0 — 2 — 31 — 6 — 0 — 4 — 5,775 — Subtotal 57 5.5 104 1.1 3,523 19.2 1,378 5.5 12 4.6 1,678 1.9 228 8.2 6,980 4.9 Child (<13 yr at diagnosis)			_						_		_		_	•	_		
Female sex at birth (≥13 yr at diagnosis)		-															
Injection drug use			_	031	0.5	11,023	00.5	10,420	40.0	7 1	20.3	1,424	0.1	020	31.0	30,021	22.0
Heterosexual contact				7		200		160		6		507		12		1 156	
Perinatal 0			_		_				_		_		_		_		
Other ^k 0 — 0 — 1 — 0 — 0 — 3 — 0 — 4 — Subtotal 57 5.5 104 1.1 3,523 19.2 1,378 5.5 12 4.6 1,678 1.9 228 8.2 6,980 4.9 Child (<13 yr at diagnosis) Perinatal 2 — 1 — 33 — 9 — 0 — 5 — 4 — 54 — Other ^k 0 — 0 — 3 — 1 — 0 — 3 — 1 — 8 — Subtotal 2 0.5 1 0.0 36 0.5 10 0.1 0 0.0 8 0.0 5 0.2 62 0.1 Region of residence ¹ Northeast 51 12.4			_														
Subtotal 57 5.5 104 1.1 3,523 19.2 1,378 5.5 12 4.6 1,678 1.9 228 8.2 6,980 4.9 Child (<13 yr at diagnosis) Perinatal 2 - 1 - 33 - 9 - 0 - 5 - 4 - 54 - Other ^k 0 - 0 - 3 - 1 - 0 - 5 - 4 - 54 - Subtotal 2 0.5 1 0.0 36 0.5 10 0.1 0 0.0 8 0.0 5 0.2 62 0.1 Region of residence ^I Northeast 7 5.3 136 3.3 1,876 28.9 1,816 20.4 3 12.8 1,072 3.0 170 15.7 5,080 8.9 Midwest 51 12.4 87		-															
Child (<13 yr at diagnosis) Perinatal Otherk 2 - 1 - 33 - 9 - 0 - 5 - 4 - 54 - Otherk 0 - 0 - 3 - 1 - 0 - 3 - 1 - 0 - 3 - 1 - 0 - 3 - 1 - 0 - 3 - 1 - 0 - 3 - 1 - 0 - 3 - 1 - 8 - - 5 0.0 5 0.2 62 0.1 0.1 0 0.0 0							19.2										49
Perinatal 2 — 1 — 33 — 9 — 0 — 5 — 4 — 54 — Other ^k 0 — 0 — 3 — 1 — 8 — Subtotal 2 0.5 1 0.0 36 0.5 10 0.1 0 0.0 8 0.0 5 0.2 62 0.1 Region of residence Northeast 7 5.3 136 3.3 1,876 28.9 1,816 20.4 3 12.8 1,072 3.0 170 15.7 5,080 8.9 Midwest 51 12.4 87 3.5 2,071 28.4 940 15.8 9 20.5 1,592 3.1 153 10.0 4,903 7.1 South 57 7.0 205 4.1 9,420 38.2 5,126 20.9 14 12.9 4,424 6.2 576 21.1 19,822 15.4 West 102 9.6 368 4.3 1,215 33.3 3,932 16.2 57 12.4 2,022 5.3 162 6.1 7,858 10.0		O1	0.0	.01		0,020	10.2	1,010	0.0	12	1.0	1,010	1.0	220	0.2	0,000	1.0
Other ^k 0 — 0 — 3 — 1 — 0 — 3 — 1 — 8 — Subtotal 2 0.5 1 0.0 36 0.5 10 0.1 0 0.0 8 0.0 5 0.2 62 0.1 Region of residence ^I Vortheast 7 5.3 136 3.3 1,876 28.9 1,816 20.4 3 12.8 1,072 3.0 170 15.7 5,080 8.9 Midwest 51 12.4 87 3.5 2,071 28.4 940 15.8 9 20.5 1,592 3.1 153 10.0 4,903 7.1 South 57 7.0 205 4.1 9,420 38.2 5,126 20.9 14 12.9 4,424 6.2 576 21.1 19,822 15.4 West 102 9.6 368 4.		2	_	1	_	33		a	_	Λ		5		1	_	5/	
Subtotal 2 0.5 1 0.0 36 0.5 10 0.1 0 0.0 8 0.0 5 0.2 62 0.1 Region of residence ^I Northeast 7 5.3 136 3.3 1,876 28.9 1,816 20.4 3 12.8 1,072 3.0 170 15.7 5,080 8.9 Midwest 51 12.4 87 3.5 2,071 28.4 940 15.8 9 20.5 1,592 3.1 153 10.0 4,903 7.1 South 57 7.0 205 4.1 9,420 38.2 5,126 20.9 14 12.9 4,424 6.2 576 21.1 19,822 15.4 West 102 9.6 368 4.3 1,215 33.3 3,932 16.2 57 12.4 2,022 5.3 162 6.1 7,858 10.0			_	ń	_		_	1	_		_		_	1	_		
Region of residence ¹ Northeast 7 5.3 136 3.3 1,876 28.9 1,816 20.4 3 12.8 1,072 3.0 170 15.7 5,080 8.9 Midwest 51 12.4 87 3.5 2,071 28.4 940 15.8 9 20.5 1,592 3.1 153 10.0 4,903 7.1 South 57 7.0 205 4.1 9,420 38.2 5,126 20.9 14 12.9 4,424 6.2 576 21.1 19,822 15.4 West 102 9.6 368 4.3 1,215 33.3 3,932 16.2 57 12.4 2,022 5.3 162 6.1 7,858 10.0	Subtotal		0.5		0.0		0.5	10	0.1		0.0		0.0	5	0.2		
Northeast 7 5.3 136 3.3 1,876 28.9 1,816 20.4 3 12.8 1,072 3.0 170 15.7 5,080 8.9 Midwest 51 12.4 87 3.5 2,071 28.4 940 15.8 9 20.5 1,592 3.1 153 10.0 4,903 7.1 South 57 7.0 205 4.1 9,420 38.2 5,126 20.9 14 12.9 4,424 6.2 576 21.1 19,822 15.4 West 102 9.6 368 4.3 1,215 33.3 3,932 16.2 57 12.4 2,022 5.3 162 6.1 7,858 10.0		_	0.0	•	0.0	30	0.0	.0	٠.,	·	0.0	· ·	0.0	Ū	٥	02	٥.,
Midwest 51 12.4 87 3.5 2,071 28.4 940 15.8 9 20.5 1,592 3.1 153 10.0 4,903 7.1 South 57 7.0 205 4.1 9,420 38.2 5,126 20.9 14 12.9 4,424 6.2 576 21.1 19,822 15.4 West 102 9.6 368 4.3 1,215 33.3 3,932 16.2 57 12.4 2,022 5.3 162 6.1 7,858 10.0		7	53	136	2 2	1 276	28 Q	1 216	20.4	વ	12.8	1 072	3 0	170	15 7	5 በደበ	2 a
South 57 7.0 205 4.1 9,420 38.2 5,126 20.9 14 12.9 4,424 6.2 576 21.1 19,822 15.4 West 102 9.6 368 4.3 1,215 33.3 3,932 16.2 57 12.4 2,022 5.3 162 6.1 7,858 10.0		51			3.5			940	15 R			1 592	3.0				
West 102 9.6 368 4.3 1,215 33.3 3,932 16.2 57 12.4 2,022 5.3 162 6.1 7,858 10.0																	
	Total	217	9.0	796	3.9					83	13.1	9,110	4.6	1,061	13.3		

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

^a Hispanic/Latino persons 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 "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

^d Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

e Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

f Data include transgender and additional gender identity persons.

g Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

h Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

Persons were aged ≥13 years at time of diagnosis of HIV infection.

k Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

Table 2b. Diagnoses of HIV infection, by race/ethnicity and selected characteristics, 2022—United States and 6 territories and freely associated states

	American Indian/		Black/African	Hispanic/	Native Hawaiian/			
	Alaska Native	Asian	American	Latino ^a	other Pacific Islander	White	Multiracial	Total
	No.	No.	No.	No.	No.	No.	No.	No.
Gender								
Man	152	672	10,683	10,364	67	7,311	792	30,041
Woman	58	104	3,510	1,434	12	1,662	228	7,008
Transgender woman/girlb	6	14	354	343	4	111	37	869
Transgender man/boyb	0	1	23	15	0	19	1	59
Additional gender identity ^c	ĺ	5	19	21	Ö	17	3	66
Age at diagnosis (yr)	·	-			•		•	
<13	2	1	36	10	0	8	5	62
13–14	0	Ó	11	7	0	1	3	22
15–19	3	18	751	385	1	149	53	1,360
20–24	3 31	99	2,793	1,781	14	830	169	
					14			5,717
25–29	41	149	2,869	2,576	17	1,384	219	7,255
30–34	44	150	2,502	2,403	16	1,597	193	6,905
35–39	34	105	1,584	1,631	8	1,318	132	4,812
40–44	24	101	1,134	1,204	11	993	88	3,555
45–49	10	58	808	796	6	721	53	2,452
50–54	13	52	749	543	3	705	59	2,124
55–59	10	29	565	447	4	674	38	1,767
60–64	3	21	438	218	1	412	26	1,119
65–69	1	6	207	96	0	190	15	515
70–74	1	2	89	51	1	89	6	239
≥75	0	5	53	29	1	49	2	139
Transmission category ^d	-	-			·		_	
<u> </u>	d:\0							
Male sex at birth (≥13 yr at		005	0.004	0.074	00	F 707	000	05.400
Male-to-male sexual contact ¹	114	625	8,831	9,374	60	5,737	680	25,422
Injection drug use ^g	15	17	397	359	3	656	43	1,490
Male-to-male sexual contact [†]	18	13	264	356	2	623	53	1,327
and injection drug use ^g								
Heterosexual contact ⁿ	11	36	1,519	630	5	409	51	2,660
Perinatal ⁱ	0	0	13	3	0	3	1	19
Other ^J	0	1	6	3	0	6	1	17
Subtotal	158	691	11,029	10,725	71	7,433	828	30,935
Female sex at birth (≥13 yr	at diagnosis) ^e							
Injection drug use ^g	26	7	309	174	6	597	42	1,161
Heterosexual contacth	31	95	3,182	1,261	6	1,076	184	5,835
Perinatal ⁱ	0	2	32	7	Õ	4	2	46
Other ^j	Ö	0	1	0	Õ	3	0	4
Subtotal	57	104	3,524	1,442	12	1,679	228	7,046
	31	104	0,024	1,772	IZ	1,075	220	7,040
Child (<13 yr at diagnosis)	0	4	22	0	0	_	4	- 4
Perinatal	2	1	33	9	0	5	4	54
Other ^j	0	0	3	1	0	3	1_	8
Subtotal	2	1	36	10	0	8	5	62
Region of residence ^k								
Northeast	7	136	1,876	1,816	3	1,072	170	5,080
Midwest	51	87	2,071	940	9	1,592	153	4,903
South	57	205	9,420	5,126	14	4,424	576	19,822
West	102	368	1,215	3,932	57	2,022	162	7,858
U.S. territories and freely	0	0	7	363	0	10	0	380
associated states	•	J	•	000	•	10	V	000
Total	217	796	14,589	12,177	83	9,120	1,061	38,043
ıvıdı	41/	1 30	14,303	14,177	UJ	3,120	1,001	30,043

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Numbers less than 12 should be interpreted with caution.

^a Hispanic/Latino persons can be of any race.

b "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

C Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

d Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^e Data include transgender and additional gender identity persons.

f Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

g Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

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

ⁱ Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

Table 3a. Diagnoses of HIV infection among persons aged ≥13 years, by year of diagnosis, sex assigned at birth, and selected characteristics, 2018–2022—United States

Maile sex at birth' Maile		20	10	20-	10	2020 (Co	OVID-19	20	24	20	22
Male sext abithtif Age at disgnosis (yr) 13-14											
Age at diagnosis (yr)	Male sex at hirth ^C	NO.	Nate	NO.	Nate	NO.	Nate	NO.	Nate	NO.	Nate
15-14											
15-19		11	0.3	12	0.3	8	0.2	8	0.2	13	0.3
25-29 6,726 56.0 6.46.3 53.8 5.319 45.7 5.877 51.3 6.219 54.8 30-34 4.865 41.9 4.692 41.3 4.416 31. 5.38 46.0 5.778 48.8 35-39 3.243 30.1 3.197 29.4 2.689 23.9 3.466 30.8 3.806 33.7 40-44 2.160 22.1 2.175 22.0 1.901 16.3 2.372 22.3 2.681 24.8 45-49 2.028 19.8 1.883 18.7 1.493 14.6 1.646 16.6 1.758 17.9 17.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	15–19	1,480		1,452	13.5	1,121	10.0	1,266	11.5		10.6
30-34	20–24	5,414						4,908	42.6	4,989	43.0
35-39 3,243 30.1 3,197 29.4 2,689 23.9 3,466 30.8 3,806 33.7 40-44 2,616 22.1 2,175 22.0 1,911 18.3 2,372 22.3 2,23 2,681 24.8 45-49 2,026 19.8 1,883 18.7 1,493 14.6 1,646 16.6 1,758 17.9 50-54 1,763 17.2 1,660 16.5 1,378 13.3 1,534 14.7 1,514 14.5 55-59 1,279 12.0 1,313 12.3 1,144 10.6 1,244 12.1 1,288 12.4 65-69 353 4.4 345 4.2 319 3.8 378 4.4 344 3.9 170-74 18.0 2.5 13.2 1,9 13.6 1.9 170 2.4 2.7 5 16.0 16.0 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	25–29	6,726		6,463		5,319		5,877			54.8
40-44	30–34 35–30	4,085 3,243		4,692 3.107							48.8 22.7
45-49		2,160		2,175	29. 4 22.0	1,901	18.3	2.372	22.3		
50-54 1,763 172 1,660 16.5 1,378 13.3 1,534 14.7 1,514 14.5 55-59 12.79 12.0 1,313 12.3 1,144 10.6 1,248 12.1 1,288 12.4 60-64 715 7.4 765 7.7 615 6.0 820 8.0 783 7.6 65-69 333 44.4 345 42 319 3.8 37.8 4.4 343 43.4 345 42 319 3.8 37.8 4.4 345 42 319 3.8 37.8 4.4 345 42. 319 3.8 37.8 4.4 345 34.6 32.7 5.7 615 6.0 820 8.0 783 7.6 65-69 3.5 32 1.0 98 1.0 69 0.7 76 0.8 98 1.0 69 0.7 9.0 99 0.7 9.0 99 0.7 9.0 99 0.7 9.0 99 0.7 9.0 99 0.7 9.0 99 0.7 9.0 99 0.7 9.0 99 0.7		2,028	19.8	1,883		1,493		1,646			17.9
60-64 715 7.4 755 7.7 615 6.0 820 8.0 783 7.6 65-69 65-69 353 44 345 42 319 3.8 78 44 344 34.9 3.9 70-74 180 2.9 160 2.5 132 1.9 136 1.9 170 2.4 2.75 94 1.0 98 1.0 69 0.7 76 0.8 98 1.0 826 1.0 826 1.0 826 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		1,763			16.5	1,378		1,534	14.7		14.5
65-69 70-74 180 29 160 29 160 25 132 19 160 180 19 10 29 160 25 132 19 160 180 19 10 180 10 29 160 20 17 16 08 98 10 20 81 10 82ecelethnicity American Indian/Alaska Native 136 136 14.1 140 14.4 14.2 14.5 14.5 15.6 16.6 15.8 15.8 Asian 739 99 617 81 525 66 638 79 691 81 81 818 81 818 80 65.7 11,023 663 14ispanicLatino³ 87,47 172 21 11,375 70.9 9683 35.8 18,880 65.7 11,023 663 14ispanicLatino³ 87,47 173 88 87,46 37.0 7,224 29.4 18.6 18.6 18.6 18.6 18.6 18.6 18.6 18.6						1,144		1,284	12.1		12.4
70-74											
Racelethnicity											2.4
American Indian/Alaska Native 136 14.1 14.0 14.4 14.5 165 16.6 15.0 15.5 16.8 alsa nasian 739 9.9 9.7 t1.0 14.4 14.5 16.5 16.6 6.3 7.9 6.91 8.3 alsak/Arican Apnerican 11.471 72.2 11.375 70.9 9.66.3 5.8 10.860 65.7 11.023 66.3 Hispanicia-Latino 8.747 37.8 8.746 37.0 7.224 92.4 8.66.3 35.8 10.426 40.8 Native Hawaiian/other Pacific Islander 49 20.2 5.1 20.7 46 18.1 65 25.1 71 26.9 White Miltire and 1.211 53.1 1.159 49.1 92.7 37.2 99.7 38.6 82.8 31.0 Hispanicia-Latino 9.2 3.3 8.8 6.394 7.5 7.471 8.8 7.424 8.7 Multiracial 1.211 53.1 1.159 49.1 92.7 37.2 99.7 38.6 82.8 31.0 Hispanicia-Latino 9.2 3.3 8.8 14.1 3.875 16.2 4.038 16.9 Mildiwest 4.010 14.3 3.809 13.5 3.374 11.7 3.935 13.7 3.918 13.6 South 15.165 29.9 15.047 29.4 12.521 24.0 14.952 28.4 15.917 29.9 West 6.630 20.5 6.452 19.8 5.640 17.0 6.397 19.2 6.748 20.2 Subtotal 30.131 22.5 29.481 21.8 24.921 18.1 29.159 21.0 30.621 22.0 Female sex at birth 6.2 4.2 2.3 20.2 2.0 15.9 1.5 20.1 1.9 170 1.6 20.2 4.0 2.2 2.0 15.9 1.5 20.1 1.9 170 1.6 20.2 2.0 15.9 1.5 20.1 1.9 170 1.6 20.2 2.0 2.0 15.9 1.5 20.1 1.9 170 1.6 20.2 2.0 2.0 2.0 15.0 1.9 1.5 20.1 1.9 170 1.6 20.2 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.											1.0
American Indian/Alaska Native 136 14.1 14.0 14.4 14.5 165 16.6 15.0 15.5 16.8 alsa nasian 739 9.9 9.7 t1.0 14.4 14.5 16.5 16.6 6.3 7.9 6.91 8.3 alsak/Arican Apnerican 11.471 72.2 11.375 70.9 9.66.3 5.8 10.860 65.7 11.023 66.3 Hispanicia-Latino 8.747 37.8 8.746 37.0 7.224 92.4 8.66.3 35.8 10.426 40.8 Native Hawaiian/other Pacific Islander 49 20.2 5.1 20.7 46 18.1 65 25.1 71 26.9 White Miltire and 1.211 53.1 1.159 49.1 92.7 37.2 99.7 38.6 82.8 31.0 Hispanicia-Latino 9.2 3.3 8.8 6.394 7.5 7.471 8.8 7.424 8.7 Multiracial 1.211 53.1 1.159 49.1 92.7 37.2 99.7 38.6 82.8 31.0 Hispanicia-Latino 9.2 3.3 8.8 14.1 3.875 16.2 4.038 16.9 Mildiwest 4.010 14.3 3.809 13.5 3.374 11.7 3.935 13.7 3.918 13.6 South 15.165 29.9 15.047 29.4 12.521 24.0 14.952 28.4 15.917 29.9 West 6.630 20.5 6.452 19.8 5.640 17.0 6.397 19.2 6.748 20.2 Subtotal 30.131 22.5 29.481 21.8 24.921 18.1 29.159 21.0 30.621 22.0 Female sex at birth 6.2 4.2 2.3 20.2 2.0 15.9 1.5 20.1 1.9 170 1.6 20.2 4.0 2.2 2.0 15.9 1.5 20.1 1.9 170 1.6 20.2 2.0 15.9 1.5 20.1 1.9 170 1.6 20.2 2.0 2.0 15.9 1.5 20.1 1.9 170 1.6 20.2 2.0 2.0 2.0 15.0 1.9 1.5 20.1 1.9 170 1.6 20.2 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.	Race/ethnicity										
Black Mican American 11.471 72.2 11.375 70.9 9.683 58.8 10.860 65.7 11.023 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630 66.3 11.630	American Indian/Alaska Native					142					15.8
Hispanic Latino ^{cl} 8,747 37.8 8,746 37.0 7,224 29.4 8,963 35.8 10,226 40.8 Mative Hawaiian/other Pacific Islander 49 20.2 51 20.7 46 18.1 65 25.1 71 26.9 Mylite 7,778 9.3 7,393 8.8 6,334 7.5 7,471 8.8 7,424 8.7 Multiracial 1,211 53.1 1,159 49.1 927 37.2 997 38.6 828 31.0 Region of residence [©] Write 4,010 14.3 3.803 13.5 3.366 44.1 3.875 16.2 4,038 16.9			9.9								8.3
Native Hawaiian/other Pacific Islander White White White 1,211 1						9,663		10,860			
White 7,778 9.3 7,393 8.8 6,394 7.5 7,471 8.8 7,424 8.7 Multiracial 1,211 53.1 1,159 49.1 927 37.2 997 38.6 6,28 31.0 Region of residence® West 4,010 14.3 3,809 13.5 3,374 11.7 3,935 13.7 3,918 13.6 South 15,165 29.9 15,047 29.4 12,521 24.0 14,952 28.4 15,917 29.9 West 6,630 20.5 6,452 19.8 5,640 17.0 6,397 19.2 6,748 20.2 Subtotal 9 0.2 9 0.2 6 0.1 7.0 20 17.0 20.2 Subtotal 9 0.2 9 0.2 6 0.1 7.0 20 20.0 20.0 6 0.1 7.0 20 9 0.2 5.0 5.0 6.0 <td></td> <td></td> <td></td> <td></td> <td>37.0 20.7</td> <td>7,224 46</td> <td></td> <td></td> <td></td> <td></td> <td>40.0 26.9</td>					37.0 20.7	7,22 4 46					40.0 26.9
Multiracial 1,211 53.1 1,159 49.1 927 37.2 997 38.6 828 31.0 Region of residence® Region of residence 4,326 18.7 4,173 18.0 3,386 14.1 3,875 16.2 4,038 16.9 Midwest 4,010 14.3 3,809 13.5 3,374 11.7 3,935 13.7 3,918 13.6 South 15,165 29.9 15,047 29.4 12,522 24.0 14,952 28.4 15,917 29.9 West 6,630 20.5 6,452 19.8 5,640 17.0 6,397 19.2 6,748 20.2 Subtotal 30.31 22.5 29,481 21.5 20.1 18.0 3,915 3,21 20.2 26.0 15.5 20.1 19 17.0 4.6 22.2 20.2 20.0 15.9 1.5 20.1 19 17.0 4.0 4.0 2.2 20.0 2.5											
Northeast 4,326 18.7 4,173 18.0 3,386 14.1 3,875 16.2 4,038 16.9 Midwest 4,010 14.3 3,809 13.5 3,374 11.7 3,935 13.7 3,918 13.6 South 15,165 29.9 15,047 29.4 12,521 24.0 14,952 28.4 15,917 29.9 West 6,630 20.5 6,452 19.8 5,640 17.0 6,397 19.2 6,748 20.2 Subtotal 30,131 22.5 29,481 21.8 24,921 18.1 29,159 21.0 30,621 22.0 Female sex at birth** **Regat diagnosis (yr)** 3-14	Multiracial	1,211					37.2				31.0
Midwest Month Mo	Region of residence ^e										
South 15,165 29.9 15,047 29.4 12,521 24.0 14,952 28.4 15,917 29.9 West 6,630 20.5 6,452 19.8 5,640 17.0 6,397 19.2 6,748 20.2 Subtotal 30,131 22.5 29,481 21.8 24,921 18.1 29,159 21.0 30,621 22.0 Female sex at birth° Age at diagnosis (yr) 13–14 9 0.2 9 0.2 6 0.1 7 0.2 9 0.2 15–19 242 2.3 202 2.0 159 1.5 201 1.9 170 1.6 20–24 726 6.8 729 6.9 556 5.2 620 5.7 688 6.2 25-29 944 8.2 938 8.1 769 6.9 845 7.7 971 9.0 30-34 942 8.6 943 8.5	Northeast			4,173		3,386		3,875		4,038	16.9
West Subtotal 6,630 or 30,131 22.5 or 29,481 19.8 or 21,881 26,40 or 17.0 or 29,159 21.0 or 30,621 20.2 or 20.0 or 20,159 21.0 or 20,159 21.0 or 20,159 20.2 or 20,159 21.0 or 20,159								3,935			
Subtotal 30,131 22.5 29,481 21.8 24,921 18.1 29,159 21.0 30,621 22.0											29.9 20.2
Female sex at birth° Age at diagnosis (yr) 13–14 9 0.2 9 0.2 6 0.1 7 0.2 9 0.2 15–19 242 2.3 202 2.0 159 1.5 201 1.9 170 1.6 20–24 726 6.8 729 6.9 556 5.2 620 5.7 688 6.2 25–29 944 8.2 938 8.1 769 6.9 845 7.7 971 9.0 30–34 942 8.6 943 8.5 803 7.2 958 8.5 1,063 9.3 35–39 911 8.5 891 8.2 695 6.4 917 8.4 955 8.7 40–44 7.75 7.8 744 7.4 561 5.5 563 6.5 658 6.7 50–54 6.8 6.8 685 6.6 551 5.5 638	Subtotal	30.131		29.481				29.159			22.0
Name		,				,				**,*=	
13–14 9 0.2 9 0.2 16 0.1 7 0.2 9 0.2 15–19 1.5 201 1.9 1.70 1.6 20–24 726 6.8 729 6.9 556 5.2 620 5.7 688 6.2 25–29 944 8.2 938 8.1 769 6.9 845 7.7 971 9.0 30–33 942 8.6 943 8.5 803 7.2 958 8.5 1,063 9.3 35–39 911 8.5 891 8.2 695 6.4 917 8.4 9955 8.7 40–44 775 7.8 744 7.4 561 5.5 758 7.3 841 7.9 45–44 7.7 55 7.8 744 7.4 561 5.5 758 7.3 841 7.9 45–44 7.4 564 6.1 612 5.9 450 4.4 564 5.4 586 5.5 659 6.5 69 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5											
20-24 7726 6.8 729 6.9 556 5.2 620 5.7 688 6.2 25-29 944 8.2 938 8.1 769 6.9 845 7.7 971 9.0 30-34 942 8.6 943 8.5 803 7.2 958 8.5 1,063 9.3 35-39 911 8.5 891 8.2 695 6.4 917 8.4 955 8.7 40-44 775 7.8 744 7.4 561 5.5 758 7.3 841 7.9 45-49 715 6.8 685 6.6 551 5.5 638 6.5 658 6.7 50-54 646 6.1 612 5.9 450 4.4 564 5.4 558 5.5 59 55 59 535 4.8 511 4.5 420 3.8 484 4.5 455 435 60-64 316 3.0 346 3.2 260 2.4 283 2.6 324 3.0 65-69 130 1.4 155 1.7 104 1.1 160 1.7 159 1.6 65-69 130 1.4 155 1.7 104 1.1 160 1.7 159 1.6 70-74 67 0.9 69 0.9 34 0.4 50 0.6 64 0.8 ≥75 430 0.3 35 0.3 28 0.2 27 0.2 37 0.3 884 0.8 ≥75 886 0.9 88 1.2 95 1.1 72 0.8 91 1.0 104 1.1 1816c/African American Indian/Alaska Native 3.9 8 1.2 95 1.1 72 0.8 91 1.0 104 1.1 1816c/African American Marical Markarian/Other Pacific Islander 4 1.7 5 2.0 13 5.2 8 3.2 12 4.6 White 1.437 1.6 1.494 1.7 1.249 1.4 1.509 1.7 1.678 1.9 Multiracial 3.29 3.6 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 3.864 7.2 3,776 7.0 2,948 5.4 3.65 6.7 3,876 7.0 0.9 89 3.0 829 2.5 951 2.9 1,100 3.3	13–14		0.2	9	0.2	6	0.1	7	0.2	9	0.2
25-29 944 8.2 938 8.1 769 6.9 845 7.7 971 9.0 30-34 942 8.6 943 8.5 803 7.2 958 8.5 1,063 9.3 35-39 911 8.5 891 8.2 695 6.4 917 8.4 995 8.7 40-44 775 7.8 744 7.4 561 5.5 758 7.3 841 7.9 45-49 715 6.8 685 6.6 551 5.5 638 6.5 45.4 566 5.5 55-59 535 4.8 511 4.5 4.5 420 3.8 484 4.5 455 4.3 60-64 316 3.0 346 3.2 260 2.4 283 2.6 324 3.0 65-69 130 1.4 155 1.7 104 1.1 160 1.7 159 1.6 65-69 130 1.4 155 1.7 104 1.1 160 1.7 159 1.6 65-69 130 1.4 155 1.7 104 1.1 160 1.7 159 1.6 65-69 130 1.4 155 1.7 104 1.1 160 1.7 159 1.6 68 686 6.6 65-69 1.3 0.3 35 0.3 28 0.2 27 0.2 37 0.3 7 0.3											
30–34 942 8.6 943 8.5 803 7.2 958 8.5 1,063 9.3 35–39 911 8.5 891 8.2 695 6.4 917 8.4 955 8.7 40–44 775 7.8 748 744 7.4 561 5.5 758 7.3 841 7.9 45–49 715 6.8 685 6.6 551 5.5 638 6.5 658 6.7 50–54 646 6.1 612 5.9 450 4.4 564 5.4 586 5.6 55–59 535 4.8 511 4.5 420 3.8 484 4.5 455 4.3 60–64 316 3.0 346 3.2 260 2.4 2283 2.6 324 3.0 65–69 130 1.4 155 1.7 104 1.1 160 1.7 159 1.6 70–74 67 0.9 69 0.9 34 0.4 50 0.6 64 0.8 ≥75 43 0.3 35 0.3 28 0.2 27 0.2 37 0.3 80 0.5 80	20–24		6.8				5.2				6.2
35–39 911 8.5 891 8.2 695 6.4 917 8.4 955 8.7 40–44 77.5 7.8 744 7.4 561 5.5 758 7.3 841 7.9 755 7.8 7.15 6.8 685 6.6 551 5.5 758 7.3 841 7.9 75 5.5 6.3 6.6 6.5 51 5.5 638 6.5 658 6.7 50–54 646 6.1 612 5.9 450 4.4 564 5.4 586 5.6 5.5 5.9 59 6.6 6.6 5.51 5.5 638 6.5 6.6 5.6 5.5 5.9 6.6 6.6 6.1 612 5.9 450 4.4 564 5.4 586 5.6 5.5 5.9 6.3 6.6 6.6 6.1 612 5.9 450 4.4 564 5.4 586 5.6 6.6 6.6 6.1 6.1 612 5.9 450 4.4 564 5.4 586 5.6 6.6 6.6 6.1 6.1 612 5.9 450 4.4 564 5.4 586 5.6 6.6 6.6 6.1 6.1 612 5.9 450 4.4 564 5.4 586 5.6 6.6 6.6 6.1 6.1 612 5.9 450 4.4 564 5.4 5.8 6.5 6.5 6.2 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	20–29 30–34						0.9 7.2				
40–44 775 7.8 744 7.4 561 5.5 758 7.3 841 7.9 45–49 715 6.8 685 6.6 551 5.5 638 6.5 658 6.7 50–54 646 6.1 612 5.9 450 4.4 564 5.4 586 5.6 55–59 535 4.8 511 4.5 420 3.8 484 4.5 455 4.3 60–64 316 3.0 346 3.2 260 2.4 283 2.6 324 3.0 65–69 130 1.4 155 1.7 104 1.1 160 1.7 159 1.6 70–74 67 0.9 69 0.9 34 0.4 50 0.6 64 0.8 ≥75 43 0.3 35 0.3 28 0.2 27 0.2 37 0.3 Race/ethnicity American Indian/Alaska Native 30 3.0 40 3.9 35 3.5 46 4.5 57 5.5 Asian 98 1.2 95 1.1 72 0.8 91 1.0 104 1.1 Black/African American 3.916 22.0 3.755 20.9 2.870 15.8 3.444 18.9 3.523 19.2 Hispanic/Latino ^d 1,187 5.2 1,178 5.0 940 3.9 1,172 4.8 1,378 5.5 Native Hawaiian/other Pacific Islander 4 1.7 5 2.0 13 5.2 8 3.2 12 4.6 White 1,437 1.6 1,494 1.7 1,249 1.4 1,509 1.7 1,678 1.9 Multiracial 329 13.6 302 12.1 217 8.3 242 9.0 228 8.2 Region of residence ^e Northeast 1,217 4.9 1,145 4.6 877 3.5 1,017 4.0 1,031 4.1 Midwest 926 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 934 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3	35–39										
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55-59			6.8			551	5.5		6.5	658	6.7
60-64 316 3.0 346 3.2 260 2.4 283 2.6 324 3.0 65-69 130 1.4 155 1.7 104 1.1 160 1.7 159 1.6 70-74 670-74 67 0.9 69 0.9 34 0.4 50 0.6 64 0.8 ≥75 43 0.3 35 0.3 28 0.2 27 0.2 37 0.3 7 0.3 8 0.2	50–54	646			5.9	450			5.4		5.6
65–69					4.5 3.2				4.5 2.6		4.3 3.0
70–74 675 843 0.3 35 0.3 28 0.2 27 0.2 37 0.3 Race/ethnicity American Indian/Alaska Native 30 3.0 40 3.9 35 3.5 46 4.5 57 5.5 Asian 98 1.2 95 1.1 72 0.8 91 1.0 104 1.1 Black/African American 3,916 22.0 3,755 20.9 2,870 15.8 3,444 18.9 3,523 19.2 Hispanic/Latino ^d 1,187 5.2 1,178 5.0 940 3.9 1,172 4.8 1,378 5.5 Native Hawaiian/other Pacific Islander 4 1.7 5 2.0 13 5.2 8 3.2 12 4.6 White 1,437 1.6 1,494 1.7 1,249 1.4 1,509 1.7 1,678 1.9 Multiracial 329 13.6 302 12.1 217 8.3 242 9.0 228 8.2 Region of residence Northeast 1,217 4.9 1,145 4.6 877 3.5 1,017 4.0 1,031 4.1 Midwest 994 3.0 986 3.3 742 2.5 893 3.0 973 3.3 South 3,864 7.2 3,776 7.0 2,948 5.4 3,651 6.7 3,876 7.0 West 994 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3	65–69				1.7				1.7	159	
Race/ethnicity American Indian/Alaska Native 30 3.0 40 3.9 35 3.5 46 4.5 57 5.5 Asian 98 1.2 95 1.1 72 0.8 91 1.0 104 1.1 Black/African American 3,916 22.0 3,755 20.9 2,870 15.8 3,444 18.9 3,523 19.2 Hispanic/Latino ^d 1,187 5.2 1,178 5.0 940 3.9 1,172 4.8 1,378 5.5 Native Hawaiian/other Pacific Islander 4 1.7 5 2.0 13 5.2 8 3.2 12 4.6 White 1,437 1.6 1,494 1.7 1,249 1.4 1,509 1.7 1,678 1.9 Multiracial 329 13.6 302 12.1 217 8.3 242 9.0 228 8.2 Region of residence ^e Northeast <td></td> <td></td> <td></td> <td>69</td> <td></td> <td>34</td> <td></td> <td></td> <td>0.6</td> <td>64</td> <td></td>				69		34			0.6	64	
American Indian/Alaska Native 30 3.0 40 3.9 35 3.5 46 4.5 57 5.5 Asian 98 1.2 95 1.1 72 0.8 91 1.0 104 1.1 Black/African American 3,916 22.0 3,755 20.9 2,870 15.8 3,444 18.9 3,523 19.2 Hispanic/Latinod 1,187 5.2 1,178 5.0 940 3.9 1,172 4.8 1,378 5.5 Native Hawaiian/other Pacific Islander 4 1.7 5 2.0 13 5.2 8 3.2 12 4.6 White 1,437 1.6 1,494 1.7 1,249 1.4 1,509 1.7 1,678 1.9 Multiracial 329 13.6 302 12.1 217 8.3 242 9.0 228 8.2 Region of residence ^e 87 3.5 1,017 4.0 1,031 4.1 Midwest 926 3.2 968 3.3 742 2.5<	≥75	43	0.3	35	0.3	28	0.2	27	0.2	37	0.3
Asian 98 1.2 95 1.1 72 0.8 91 1.0 104 1.1 Black/African American 3,916 22.0 3,755 20.9 2,870 15.8 3,444 18.9 3,523 19.2 Hispanic/Latino ^d 1,187 5.2 1,178 5.0 940 3.9 1,172 4.8 1,378 5.5 Native Hawaiian/other Pacific Islander 4 1.7 5 2.0 13 5.2 8 3.2 12 4.6 White 1,437 1.6 1,494 1.7 1,249 1.4 1,509 1.7 1,678 1.9 Multiracial 329 13.6 302 12.1 217 8.3 242 9.0 228 8.2 Region of residence ^e Northeast 1,217 4.9 1,145 4.6 877 3.5 1,017 4.0 1,031 4.1 Midwest 926 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 3,864 7.2 3,776 7.0 2,948 5.4 3,651 6.7 3,876 7.0 West 994 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3											
Black/African American 3,916 22.0 3,755 20.9 2,870 15.8 3,444 18.9 3,523 19.2 Hispanic/Latino ^d 1,187 5.2 1,178 5.0 940 3.9 1,172 4.8 1,378 5.5 Native Hawaiian/other Pacific Islander 4 1.7 5 2.0 13 5.2 8 3.2 12 4.6 White 1,437 1.6 1,494 1.7 1,249 1.4 1,509 1.7 1,678 1.9 Multiracial 329 13.6 302 12.1 217 8.3 242 9.0 228 8.2 Region of residence ⁶ Northeast 1,217 4.9 1,145 4.6 877 3.5 1,017 4.0 1,031 4.1 Midwest 926 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 3,864 7.2 3,776		30		40							
Hispanic/Latino ^d 1,187 5.2 1,178 5.0 940 3.9 1,172 4.8 1,378 5.5 Native Hawaiian/other Pacific Islander 4 1.7 5 2.0 13 5.2 8 3.2 12 4.6 White 1,437 1.6 1,494 1.7 1,249 1.4 1,509 1.7 1,678 1.9 Multiracial 329 13.6 302 12.1 217 8.3 242 9.0 228 8.2 Region of residence ⁶ Northeast 1,217 4.9 1,145 4.6 877 3.5 1,017 4.0 1,031 4.1 Midwest 926 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 3,864 7.2 3,776 7.0 2,948 5.4 3,651 6.7 3,876 7.0 West 994 3.0 980 3.0 829 2.5<											
Native Hawaiian/other Pacific Islander 4 1.7 5 2.0 13 5.2 8 3.2 12 4.6 White 1,437 1.6 1,494 1.7 1,249 1.4 1,509 1.7 1,678 1.9 Multiracial 329 13.6 302 12.1 217 8.3 242 9.0 228 8.2 Region of residence ^e 8 1,217 4.9 1,145 4.6 877 3.5 1,017 4.0 1,031 4.1 Midwest 926 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 3,864 7.2 3,776 7.0 2,948 5.4 3,651 6.7 3,876 7.0 West 994 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3			5.2	3,733 1,178			3.9		4.8		5.5
White 1,437 1.6 1,494 1.7 1,249 1.4 1,509 1.7 1,678 1.9 Multiracial 329 13.6 302 12.1 217 8.3 242 9.0 228 8.2 Region of residence ⁶ Northeast 1,217 4.9 1,145 4.6 877 3.5 1,017 4.0 1,031 4.1 Midwest 926 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 3,864 7.2 3,776 7.0 2,948 5.4 3,651 6.7 3,876 7.0 West 994 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3											
Region of residence ^e Northeast 1,217 4.9 1,145 4.6 877 3.5 1,017 4.0 1,031 4.1 Midwest 926 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 3,864 7.2 3,776 7.0 2,948 5.4 3,651 6.7 3,876 7.0 West 994 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3	White		1.6		1.7	1,249	1.4		1.7	1,678	1.9
Northeast 1,217 4.9 1,145 4.6 877 3.5 1,017 4.0 1,031 4.1 Midwest 926 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 3,864 7.2 3,776 7.0 2,948 5.4 3,651 6.7 3,876 7.0 West 994 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3		329	13.6	302	12.1	217	8.3	242	9.0	228	8.2
Midwest 926 3.2 968 3.3 742 2.5 893 3.0 973 3.3 South 3,864 7.2 3,776 7.0 2,948 5.4 3,651 6.7 3,876 7.0 West 994 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3		4 047	4.0	4 4 4 5	4.0	077	2.5	1 017	4.0	4 004	1.4
South 3,864 7.2 3,776 7.0 2,948 5.4 3,651 6.7 3,876 7.0 West 994 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3											
West 994 3.0 980 3.0 829 2.5 951 2.9 1,100 3.3			3.Z 7.2								
	Subtotal	7,001	5.0	6,869	4.9	5,396	3.8	6,512	4.6	6,980	4.9
Total 37,132 13.5 36,350 13.2 30,317 10.8 35,671 12.7 37,601 13.3	Total		13.5	36,350	13.2		10.8		12.7		13.3

Note. Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing, care-related services, and case surveillance activities in state/local jurisdictions. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

^b Rates are per 100,000 population.

 $^{^{\}mbox{\scriptsize c}}$ Data include transgender and additional gender identity persons.

^d Hispanic/Latino persons can be of any race.

e Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

Table 3b. Diagnoses of HIV infection among persons aged ≥13 years, by year of diagnosis, sex assigned at birth, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

	20	10	20	10	2020 (Co pande	OVID-19	20	21	20	22
	No.	Rate ^b	No.	Rateb	No.	Rateb	No.	Rate ^b	No.	Rate ^b
Male sex at birth ^c	110.	Nate	110.	Nate	110.	ivate	110.	Nate	110.	Nate
Age at diagnosis (yr)										
13–14	11	0.3	12	0.3	8	0.2	8	0.2	13	0.3
15–19	1,496	13.7	1,458	13.4	1,130	10.0	1,272	11.4	1,188	10.6
20–24	5,470	48.4	5,329	47.6	4,360	38.0	4,951	42.5	5,023	42.8
25–29	6,795	56.0	6,516	53.7	5,358	45.6	5,957	51.4	6,276	54.7
30–34 35–39	4,738 3,273	42.0 30.1	4,741 3,231	41.3 29.4	4,454 2,723	38.1 24.0	5,426 3,498	45.9 30.8	5,835 3,851	48.8 33.8
40–44	2,195	22.2	2,201	22.0	1,923	18.3	2,406	22.4	2,710	24.8
45–49	2,060	19.9	1,909	18.7	1,510	14.7	1,671	16.7	1,782	17.9
50–54	1,801	17.4	1,682	16.5	1,403	13.4	1,566	14.8	1,532	14.5
55–59	1,300	12.1	1,340	12.5	1,164	10.6	1,302	12.1	1,308	12.5
60–64	728	7.4	776	7.8	628	6.1	834	8.0	791	7.6
65–69 70–74	363 184	4.5 2.9	356 166	4.3 2.5	322 135	3.7 2.0	389 141	4.4 2.0	351 174	3.9 2.4
>75 ≥75	96	1.0	101	1.1	69	0.7	78	0.8	101	1.0
Race/ethnicity	00	1.0	101		00	0.1	10	0.0		1.0
American Indian/Alaska Native	136	_	140	_	142	_	165	_	158	_
Asian	743	_	624	_	525	_	639	_	691	_
Black/African American	11,482	_	11,380	_	9,668	_	10,866	_	11,029	_
Hispanic/Latino ^d	9,103	_	9,062	_	7,483	_	9,289	_	10,725	_
Native Hawaiian/other Pacific Islander	51	_	54 7 200	_	47 6 20 5	_	65 7.479	_	71	_
White Multiracial	7,783 1,212	_	7,399 1,159	_	6,395 927	_	7,478 997	_	7,433 828	_
Region of residence ^e	1,212		1,100		321		331		020	
Northeast	4,326	18.7	4,173	18.0	3,386	14.1	3,875	16.2	4,038	16.9
Midwest	4,010	14.3	3,809	13.5	3,374	11.7	3,935	13.7	3,918	13.6
South	15,165	29.9	15,047	29.4	12,521	24.0	14,952	28.4	15,917	29.9
West	6,630	20.5	6,452	19.8	5,640	17.0	6,397	19.2	6,748	20.2
U.S. territories and freely associated states	379	25.8	337	22.8	266	17.5	340	22.4	314	20.8
Subtotal	30,510	22.5	29,818	21.9	25,187	18.1	29,499	21.1	30,935	22.0
Female sex at birth ^c										
Age at diagnosis (yr)	0	0.0	•	0.0	•	0.4	7	0.0	^	0.0
13–14 15–19	9 244	0.2 2.3	9 202	0.2 1.9	6 159	0.1 1.5	7 203	0.2 1.9	9 172	0.2 1.6
20–24	735	6.8	734	6.9	561	5.2	630	5.7	694	6.2
25–29	952	8.2	943	8.1	773	6.9	848	7.7	979	8.9
30–34	948	8.6	952	8.5	806	7.1	963	8.4	1,070	9.2
35–39	915	8.4	897	8.2	698	6.3	931	8.4	961	8.7
40–44	784	7.8	756	7.5	567	5.5	771	7.3	845	7.9
45–49 50–54	729 657	6.9 6.1	696 619	6.7 5.9	555 455	5.4 4.4	645 574	6.5 5.5	670 592	6.8 5.6
55–59	543	4.8	522	4.6	428	3.8	488	4.4	459	4.3
60–64	321	3.0	351	3.2	263	2.4	291	2.7	328	3.0
65–69	134	1.5	160	1.7	108	1.1	165	1.7	164	1.7
70–74	69	0.9	74	1.0	36	0.5	53	0.6	65	0.8
≥75	44	0.3	35	0.3	28	0.2	28	0.2	38	0.3
Race/ethnicity	20		40		٥٦		40		-7	
American Indian/Alaska Native Asian	30 98	_	40 95	_	35 72	_	46 91	_	57 104	_
Black/African American	3,917	_	3,758	_	2,871	_	3,444	_	3,524	_
Hispanic/Latino ^d	1,269	_	1,255	_	986	_	1,257	_	1,442	_
Native Hawaiian/other Pacific Islander	4	_	6	_	13	_	8	_	12	_
White	1,437	_	1,494	_	1,249	_	1,509	_	1,679	_
Multiracial	329	_	302	_	217	_	242	_	228	_
Region of residence ^e									,	
Northeast	1,217	4.9	1,145	4.6	877	3.5	1,017	4.0	1,031	4.1
Midwest South	926 3,864	3.2 7.2	968 3 776	3.3 7.0	742	2.5 5.4	893	3.0 6.7	973 3,876	3.3 7.0
West	3,864 994	3.0	3,776 980	3.0	2,948 829	5.4 2.5	3,651 951	2.9	3,876 1,100	3.3
U.S. territories and freely associated states	83	5.1	81	4.9	47	2.8	85	5.0	66	3.9
Subtotal	7,084	5.0	6,950	4.9	5,443	3.8	6,597	4.6	7,046	4.9
Total	37,594	13.6	36,768	13.2	30,630	10.8	36,096	12.7	37,981	13.3

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution.

a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b Rates are per 100,000 population. Rates by race/ethnicity are not provided because U.S. census information is limited for U.S. territories and freely associated states.

^c Data include transgender and additional gender identity persons.

d Hispanic/Latino persons can be of any race.

e Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

Table 4a. Diagnoses of HIV infection among transgender and additional gender identity persons, by year of diagnosis and selected characteristics, 2018–2022—United States

			2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.
Transgender woman ^b					
Age at diagnosis (yr) 13–14	0	0	0	1	0
15–14	52	49	39	64	64
20–24	186	190	171	247	206
25–29	204	183	224	191	211
30–34	100	140	130	169	175
35–39	72	64	50	85	81
40–44 45–49	34 24	46 19	39 32	51 27	54 33
50–54	7	16	32 22	27 14	22
55–59	6	8	6	13	15
60–64	4	4	5	10	4
65–69	0	1	1	1	1
70–74	1	0	0	0	2
≥75	1	0	0	0	0
Race/ethnicity	0	F	0	40	•
American Indian/Alaska Native	9	5	8	10	6
Asian Black/African American	11 317	11 346	14 341	19 390	14 354
Hispanic/Latino ^c	239	249	240	286	342
Native Hawaiian/other Pacific Islander	233	5	3	6	4
White	73	75	76	117	111
Multiracial	40	29	37	45	37
Exposure category ^d					
Sexual contact ^e	624	641	649	769	774
Injection drug use ^f	4	2	1	4	3
Sexual contact ^e and injection drug use ^f Other ^g	55	61 16	50 19	63 37	55 36
Region of residence ^h	8	10	19	31	30
Northeast	120	112	117	117	117
Midwest	110	98	101	151	124
South	303	318	317	375	387
West	158	192	184	230	240
Subtotal	691	720	719	873	868
Transgender man ^b					
Age at diagnosis (yr)					
13–14	0	0	0	1	0
15–19 20–24	1	0 11	1	6	2 16
20–24 25–29	9 18	18	14 9	8 20	18
30–34	10	13	8	13	13
35–39	4	1	5	6	5
40–44	4	0 2	2	4	2
45–49	1		1	0	
50–54	1	0	1	0	2
55–59 60,64	0	0	0	1	1
60–64 65–69	0	0 0	0	0 0	0 0
70–74	0	0	0	1	0
≥75	Õ	Ö	Ŏ	Ó	Ŏ
Race/ethnicity	-	-	•	•	-
American Indian/Alaska Native	0	0	0	0	0
Asian	0	.1	0	2	1
Black/African American	16	17	10	18	23
Hispanic/Latino ^c Native Hawaiian/other Pacific Islander	11 0	13	12 0	17	15 0
White	18	0 10	0 14	0 20	0 19
Multiracial	3	4	5	3	19
Exposure category ^d	v	т	· ·	J	1
Sexual contact ^e	40	35	32	51	53
Injection drug use [†]	2	2	1	0	0
Sexual contact ^e and injection drug use [†]	4	3	5	1	1
Other ^g	2	5	3	8	5
Region of residence ^h	_	-	•	•	46
Northeast	7	7	8	9	10
Midwest	7 15	6 17	2	11 22	7 22
South West	19	17	25 6	22 18	33 9
Subtotal	48	45	41	60	59
	- 	•	• •		

Table 4a. Diagnoses of HIV infection among transgender and additional gender identity persons, by year of diagnosis and selected characteristics, 2018–2022—United States (cont)

			2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.
Additional gender identity ^l					
Age at diagnosis (yr)					
13–14	0	0	0	0	0
15–19	5	5	3	4	5
20–24	9	15	7	24	16
25–29	4	7	9	7	21
30–34	4	4	2	5	12
35–39	ż	2	$\bar{2}$	2	5
40–44	0	0	_ 1	1	4
45–49	ž	Õ	i	ż	Ó
50–54	0	ĭ	Ò	2	2
55–59	Õ	Ò	Õ	0	1
60–64	Õ	0	1	ñ	Ó
65–69	Ô	0	ń	Ô	0
70–74	Õ	Ŏ	Õ	Ô	Ö
≥75	Õ	0	0	Õ	0
Race/ethnicity	·	v	v	v	· ·
American Indian/Alaska Native	1	0	0	0	1
Asian	ż	Ŏ	Ö	Ŏ	5
Black/African American	9	13	13	14	19
Hispanic/Latino ^c	ő	7	6	16	21
Native Hawaiian/other Pacific Islander	Ŏ	0	Ô	0	0
White	4	9	6	14	17
Multiracial	4	5	1	3	3
Exposure category ^d	•	Ü	•	v	· ·
Sexual contact ^e	25	29	22	41	59
Injection drug use ^f	0	0	0	0	0
Sexual contact ^e and injection drug use ^f	1	3	1	5	6
Other ^g	Ó	2	3	1	1
Region of residence ^h	v	~	U	1	•
Northeast	10	10	1	14	19
Midwest	5	10	6	1 4 7	8
South	7	10	0	9	16
West	1 1	4	3 7	9 17	23
Subtotal	26	34	26	47	23 66
Total Note: Numbers less than 12, and trands based on these	765	799	786	980	993

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

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

^C Hispanic/Latino persons can be of any race.

d Risk factor data for transgender and additional gender identity persons are presented using the exposure category classification, which is meant to convey all the known ways the person could have been exposed to HIV. Exposure categories are mutually exclusive and have no presumed hierarchical order of probability, except for rare circumstances where route of transmission has been confirmed through investigation. See Technical Notes for more information on exposure categories.

e For persons assigned "male" sex at birth, sexual contact with any person. For persons assigned "female" sex at birth, sexual contact with a person assigned "male" sex at birth.

f Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

⁹ Other risk factors, including perinatal, hemophilia, blood transfusion, and risk factor not reported or not identified. Data were not statistically adjusted to account for missing exposure category; therefore, case counts for "Other" might be high.

h Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

i Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

Table 4b. Diagnoses of HIV infection among transgender and additional gender identity persons aged ≥13 years, by year of diagnosis and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

<u> </u>			2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022
Transgender woman ^b	No.	No.	No.	No.	No.
Age at diagnosis (yr)					
13–14	0	0	0	1	0
15–19	52	49	39	64	64
20–24	187	191	173	247	206
25–29 30–34	205 101	184 140	224 131	191 169	212 175
35–39	72	64	50	85	81
40–44	34	46	39	52	54
45–49	24	19	32	27	33
50–54	7	16	22	14	22
55–59 60–64	6 4	8 4	6 5	13 10	15 4
65–69	0	1	ა 1	10	1
70–74	1	Ó	Ů	Ó	2
≥75	1	Ö	0	Ö	0
Race/ethnicity					
American Indian/Alaska Native	9	.5	.8	10	6
Asian	11 317	11 346	14 341	19 390	14 354
Black/African American Hispanic/Latino ^c	317 242	346 251	341 243	390 287	354 343
Native Hawaiian/other Pacific Islander	242	5	3	6	343 4
White	73	75	76	117	111
Multiracial	40	29	37	45	37
Exposure category ^d Sexual contact ^e		216	^- :		
Sexual contacte	627	643	651	770	775
Injection drug use ^f Sexual contact ^e and injection drug use ^f	4 55	2 61	1 51	4 63	3 55
Other ^g	8	16	19	37	36
Region of residence ^h	v		10	O.	•
Northeast	120	112	117	117	117
Midwest	110	98	101	151	124
South	303	318	317	375	387
West	158 3	192 2	184 3	230 1	240 1
U.S. territories and freely associated states Subtotal	694	722	722	874	869
Transgender man ^b	001	122	! LL	011	000
Age at diagnosis (yr)					
13–14	0	0	0	1	0
15–19	1	0	.1	6	2
20–24 25–29	9	11	14	8	16
30–34	18 10	18 13	9 8	20 13	18 13
35–39	4	10	5	6	5
40–44	4	Ö	2	4	2
45–49	1	2	1	0	0
50–54	1	0	1	0	2
55–59 60–64	0	0 0	0	1	1 0
65–69	0	0	0	0	0
70–74	Ŏ	Ŏ	Ŏ	ĭ	Ŏ
≥75	0	0	0	0	0
Race/ethnicity					
American Indian/Alaska Native	0	0	0	0	0
Asian Black/African American	0 16	1 17	0 10	2 18	1 23
Hispanic/Latino ^c	11	17	10 12	16 17	23 15
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	18	10	14	20	19
Multiracial	3	4	5	3	1
Exposure category ^d	40	0.5	22		
Sexual contact ^e Injection drug use ^f	40	35 2	32	51 0	53 0
Sexual contact ^e and injection drug use ^f	2 4	3	1 5	1	U 1
Other ^g	2	5 5	3	8	5
Region of residence ^h	_	·	Ť	Ţ	·
Northeast	7	7	8	9	10
Midwest	7	6	2	11	7
South	15 10	17 15	25	22	33
West U.S. territories and freely associated states	19 0	15 0	6 0	18 0	9 0
Subtotal	48	45	41	60	59
	-	-			-

Table 4b. Diagnoses of HIV infection among transgender and additional gender identity persons aged ≥13 years, by year of diagnosis and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022
	No.	No.	. No.	No.	No.
Additional gender identity ⁱ					
Age at diagnosis (yr)					
13–14	0	0	0	0	0
15–19	5	5	3	4	5
20–24	ğ	15	7	24	16
25–29	4	7	9	7	21
30–34	4	4	2	5	12
35–39	ż	ż	2	ž	5
40–44	0	0	1	1	4
45–49	2	Ô	1	2	Ò
50–54	0	1	Ò	2	ž
55–59	Ô	Ò	Ô	Ō	1
60–64	Õ	Õ	1	Ŏ	Ò
65–69	Ô	Ô	Ò	Õ	Ô
70–74	Ô	Ô	Ô	Õ	Ô
≥75	Õ	Ŏ	Õ	Õ	Õ
Race/ethnicity	v	·	· ·	v	ŭ
American Indian/Alaska Native	1	0	0	0	1
Asian	2	0	Ŏ	0	<u>,</u>
Black/African American	9	13	13	14	19
Hispanic/Latino ^C	6	7	6	16	21
Native Hawaiian/other Pacific Islander	0	Ó	Õ	0	0
White	ď	9	ő	14	17
Multiracial	Å	5	1	3	3
Exposure category ^d	•	Ŭ	•	v	Ū
Sexual contact ^e	25	29	22	41	59
Injection drug use ^T	0	0	0	0	0
Sexual contact ^e and injection drug use ^f	1	3	1	5	6
Sexual contact ^e and injection drug use ^f Other ^g	Ó	2	3	1	1
Region of residence ^h	U	_	9	'	
Northeast	10	10	4	14	19
Midwest	5	10	6	1 4 7	8
South	5 7	10	9	9	16
West	1	10	3 7	17	23
U.S. territories and freely associated states	0	0	0	0	0
Subtotal	26	34	26	47	66
Total Note ITS territories and freely associated states include	768	801	789	981	994

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Numbers less than 12, and trends based on these numbers, should be interpreted with caution.

a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

^C Hispanic/Latino persons can be of any race.

d Risk factor data for transgender and additional gender identity persons are presented using the exposure category classification, which is meant to convey all the known ways the person could have been exposed to HIV. Exposure categories are mutually exclusive and have no presumed hierarchical order of probability, except for rare circumstances where route of transmission has been confirmed through investigation. See Technical Notes for more information on exposure categories.

e For persons assigned "male" sex at birth, sexual contact with any person. For persons assigned "female" sex at birth, sexual contact with a person assigned "male" sex at birth.

f Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

⁹ Other risk factors, including perinatal, hemophilia, blood transfusion, and risk factor not reported or not identified. Data were not statistically adjusted to account for missing exposure category; therefore, case counts for "Other" might be high.

h Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

i Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

Table 5a. Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and male-to-male sexual contact and injection drug use, by year of diagnosis and selected characteristics, 2018–2022—United States

		Male-	to-male sexual co	ontact		Male-	to-male sex	ual contact <i>and</i> i	njection dru	ıg use
			2020 (COVID-19					2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022
	No.	No.		No.	No.	No.	No.	No.	No.	No.
						ın/Alaska Nat				
Age at diagnosis (yr)				,,,		iii) iidona ita				
13–14	0	0	0	0	0	0	0	0	0	0
15–19	6	6	5	9	3	0	0	0	0	0
20–24	24	25	20	16	21	2	3	3	1	3
25–29	20	25	25	31	24	7	5	4	1	5
30–34	17	14	16	25	24	5	1	3	5	3
35–39	8	15	11	20	15	2	3	4	4	4
40–44	7	4	11	10	14	1	0	3	0	1
45–49	7	6	6	5	4	2	1	0	2	0
50–54	6	7	11	7	2	0	1	0	1	1
55–59	2	2	5	3	5	1	0	Ö	0	1
60–64	0	2	2	5	1	0	0	0	0	0
65–69	1	0	_ 1	2	1	0	0	0	0	0
70–74	1	0	0	0	1	0	0	0	Ö	0
· · · · · · · · · · · · · · · · · · ·	0	0	0	0	0	0	0	0	0	0
Region of residence ^b										
Northeast	4	3	5	3	6	0	0	0	0	0
Midwest	12	7	8	18	15	4	1	4	6	2
South	15	34	32	38	30	3	2	0	1	2
West	68	61	68	73	64	13	11	13	8	13
Total	99	105	113	131	114	20	14	18	15	18
1000		100	110			ian		10		- 10
Age at diagnosis (yr)					Λ.	nan				
13–14	1	0	0	0	0	0	0	0	0	0
15–19	22	18	17	21	17	0	0	Ŏ	Õ	1
20–24	108	94	57	83	86	0	2	1	2	1
25–29	163	123	121	123	123	5	4	4	2	3
30–34	115	93	86	114	130	3	4	4	4	3
35–39	68	70	49	72	80	4	1	0	4	2
40–44	62	41	44	47	76	1	0	2	2	0
45–49	56	52	39	39	45	1	1	0	1	2
50–54	22	34	24	36	33	0	0	0	0	0
55–59	20	15	14	23	17	0	0	0	1	0
60–64	9	8	10	8	12	0	0	0	0	0
65–69	6	2	7	3	2	0	0	0	Ö	0
70–74	2	5	1	1	2	0	0	0	Ö	0
≥75	3	2	1	1	1	0	0	0	0	0
Region of residence ^b										
Northeast	119	98	73	104	99	2	3	0	2	2
	63	52	53	56	72	1	1	1	3	2
Midwest									v	
	168	137	100	147	159	2	4	0	1	4
Midwest South West	168 307	137 271	100 244	147 263	159 295	2 10	4 5	0 9	1 10	4 5

Table 5a. Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and injection drug use, by year of diagnosis and selected characteristics, 2018–2022—United States (cont)

		Male-	to-male sexual c	ontact		Male-t	o-male sex	ual contact <i>and</i> i	njection dru	ıg use
			2020 (COVID-19					2020 (COVID-19	•	
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022
	No.	No.		No.	No.	No.	No.	No.	No.	No.
					Black/Africa	an American				
Age at diagnosis (yr)										
13–14	7	7	2	3	5	0	0	0	0	0
15–19	801	782	602	691	610	12	14	13	9	8
20–24	2,371	2,346	2,061	2,328	2,222	55	41	43	33	46
25–29	2,454	2,315	1,946	2,044	2,115	81	93	60	54	50
30–34	1,252	1,414	1,425	1,602	1,642	50	59	59	64	55
35–39	721	736	645	757	847	27	41	27	36	37
40–44	440	452	379	413	501	19	23	16	25	18
45–49	348	335	263	274	285	11	19	10	14	10
50-54	306	281	239	226	238	18	18	7	8	13
55-59	196	198	185	213	175	9	11	6	9	12
60–64	99	115	93	116	112	7	6	3	3	10
65–69	46	44	33	47	45	3	1	1	2	3
70–74	23	24	12	12	20	0	1	0	1	0
≥75	6	13	6	10	12	0	0	0	0	0
Region of residence ^b										
Northeast	1,066	1,102	937	992	1,041	52	38	35	33	26
Midwest	1,439	1,396	1,290	1,366	1,288	56	49	43	48	43
South	5,756	5,795	4,963	5,556	5,742	143	182	122	138	144
West	808	767	703	820	757	42	58	45	38	51
Total	9,069	9,061	7,893	8,734	8,828	293	327	246	256	264
		,	·	•		c/Latino ^c				
Age at diagnosis (yr)					mopuni	J/LutillO				
13–14	0	2	3	4	3	0	0	1	0	0
15–19	326	370	263	317	328	15	10	9	11	6
20–24	1,413	1,436	1,094	1,316	1,511	80	73	44	49	37
25–29	1,800	1,766	1,465	1,755	2,115	120	105	87	83	78
30–34	1,307	1,297	1,223	1,559	1,882	62	73	70	78	78
35–39	905	903	742	1,019	1,199	49	61	40	49	53
40–44	551	594	515	663	830	29	38	24	33	47
45–49	476	450	341	428	501	22	23	20	18	24
50–54	322	339	284	332	351	16	21	11	17	10
55–59	188	180	182	204	266	3	13	5	10	12
60–64	85	90	82	126	100	1	2	7	5	4
65–69	43	38	35	56	45	0	2	0	2	1
70–74	21	18	14	11	19	1	1	1	0	1
70-74 ≥75	5	12	4	3	8	1	0	0	0	0
Region of residence ^b	•		•	Ŭ	Ŭ		·	Ü	ŭ	·
Northeast	1,188	1,199	923	1,088	1,273	59	61	38	38	29
Midwest	547	549	436	602	744	35	36	21	19	26
South	3,084	3,099	2,568	3,422	3,961	136	159	120	121	130
West	3,064 2,624	3,099 2,647	2,300 2,319	3,422 2,681	3,961	172	167	138	176	166
Total	2,02 4 7,443		6,246			401	422	317	355	351
rotal	1,445	7,493	0,240	7,793	9,156	401	422	317	ათ	331

Table 5a. Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and injection drug use, by year of diagnosis and selected characteristics, 2018–2022—United States (cont)

		Male-	to-male sexual c	ontact		Male-to-male sexual contact and injection drug use					
	_		2020		_			2020			
			(COVID-19					(COVID-19			
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022	
	No.	No.		No.	No.	No.	No.	No.	No.	No.	
				Native	Hawaiian/ot	her Pacific Is	lander				
Age at diagnosis (yr)											
13–14	0	0	1	0	0	0	0	0	0	0	
15–19	3	1	2	4	1	0	0	1	0	0	
20-24	5	6	5	4	12	2	0	0	1	0	
25-29	9	16	9	13	16	2	0	1	0	0	
30-34	9	9	7	9	9	1	1	1	2	1	
35-39	6	6	6	10	5	0	1	0	0	0	
40-44	2	4	5	7	9	0	0	0	0	0	
45-49	2	0	1	3	5	0	0	1	0	0	
50-54	1	3	2	4	1	0	0	0	0	1	
55-59	3	1	0	1	2	0	0	0	0	0	
60-64	1	1	0	2	1	0	0	0	0	0	
65-69	1	0	0	1	0	0	0	0	0	0	
70–74	0	0	0	0	1	0	0	0	0	0	
≥75	0	0	0	0	0	0	0	0	0	0	
Region of residence ^b											
Northeast	2	1	4	2	3	0	0	0	0	0	
Midwest	1	4	1	6	5	0	0	1	0	0	
South	6	9	6	13	11	0	0	0	0	0	
West	32	33	27	36	42	5	2	4	4	2	
Total	41	47	37	57	60	5	2	5	4	2	
				-		nite					
Age at diagnosis (yr)					•••	1160					
13–14	0	1	0	0	0	0	0	0	0	0	
15–19	163	127	123	105	114	11	14	3	3	4	
20–24	771	690	566	603	625	74	80	55	55	46	
25–29	1,079	1,072	880	981	952	190	166	123	122	107	
30–34	926	857	813	989	1,004	153	149	111	172	136	
35–39	636	642	514	713	770	122	118	111	121	108	
40–44	505	441	431	537	558	58	63	52	101	79	
45–49	548	459	390	418	396	53	57	46	56	49	
50–54	523	487	437	461	433	43	38	33	45	31	
55–59	428	449	404	434	430	27	34	25	23	35	
60–64	247	234	202	264	252	7	15	11	18	17	
65–69	124	116	113	117	115	6	10	5	8	8	
70–74	59	46	43	37	56	0	2	1	3	3	
≥75	29	17	22	20	25	1	0	0	0	1	
Region of residence ^b		••				•	•	•	•	•	
Northeast	735	665	557	655	656	80	64	72	82	62	
Midwest	1,066	951	906	1,065	980	134	147	101	147	121	
South	2,701	2,574	2,173	2,584	2,732	309	308	227	293	264	
West	1,533	2,374 1,447	1,303	2,36 4 1,374	1,362	220	224	176	293 205	176	
Total	6,036	5,637	4,938	5,677	5,730	743	744	576	726	623	

Table 5a. Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and male-to-male sexual contact and injection drug use, by year of diagnosis and selected characteristics, 2018–2022—United States (cont)

-		Male-t	o-male sexual c	ontact		Male-1	to-male sex	ual contact and i	njection dru	ıg use
			2020 (COVID-19					2020 (COVID-19	-	
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022
-	No.	No.		No.	No.	No.	No.	No.	No.	No.
					Multi	racial				
Age at diagnosis (yr)	•	•	•	•		•				•
13–14	0	0	0	0	2	0	0	0	0	0
15–19	55	56	47	60	42	2	1	1	1	1
20–24	248	208	161	179	131	14	8	13	6	5
25–29	248	235	184	170	161	32	23	17	17	10
30–34	155	147	123	156	142	14	34	11	22	9
35–39	104	93	78	84	75	16	9	7	8	10
40–44	57	59	55	53	38	2	12	8	4	5
45–49	50	41	45	36	28	5	2	7	4	3
50–54	38	26	32	38	30	5	3	3	2	3
55–59	22	41	19	27	13	0	2	0	2	3
60–64	12	13	9	8	9	0	1	0	0	3
65–69	8	5	8	7	6	0	2	0	0	0
70–74	4	2	4	4	3	0	0	0	0	0
≥75	0	2	0	1	1	0	0	0	0	0
Region of residence ^b										
Northeast	158	158	119	118	103	12	12	7	9	6
Midwest	128	109	110	123	93	18	14	15	16	13
South	516	476	391	437	379	33	49	26	27	20
West	200	184	146	146	106	28	21	19	14	15
Total	1,001	927	766	823	680	91	96	67	66	53
					То	tal				
Age at diagnosis (yr)										
13–14	8	10	6	6	10	0	0	1	0	0
15–19	1,375	1,359	1,060	1,206	1,115	40	39	26	23	20
20–24	4,940	4,805	3,963	4,527	4,608	227	207	159	147	139
25–29	5,773	5,551	4,630	5,116	5,507	438	394	296	280	252
30–34	3,781	3,832	3,694	4,453	4,834	287	321	259	346	286
35–39	2,448	2,465	2,045	2,675	2,991	220	235	190	221	215
40–44	1,624	1,594	1,440	1,729	2,026	110	135	104	165	151
45–49	1,487	1,343	1,085	1,202	1,263	93	103	84	95	88
50–54	1,219	1,177	1,028	1,103	1,087	82	82	55	73	59
55–59	858	885	809	904	906	40	59	37	45	62
60–64	453	461	398	528	486	18	24	21	27	35
65–69	230	204	197	234	214	9	14	6	12	12
70–74	108	96	74	66	101	1	4	2	3	4
≥75	43	45	34	36	47	2	1	0	0	1
Region of residence ^b					**	_	•	-	-	•
Northeast	3,272	3,226	2,618	2,962	3,180	204	177	153	164	124
Midwest	3,256	3,068	2,803	3,234	3,100	248	248	186	238	207
South	12,246	12,123	10,231	12,197	13,014	624	704	496	581	564
West	5,572	5,410	4,810	5,392		491	488	496 405	453	427
					5,802					
Total	24,346	23,827	20,462	23,785	25,193	1,567	1,617	1,240	1,437	1,323

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.

Persons whose transmission category is classified as male-to-male sexual contact or male-to-male sexual contact and injection drug use are presented based on sex assigned at birth and include transgender and additional gender identity persons.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

^c Hispanic/Latino persons can be of any race.

Table 5b. Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and injection drug use, by year of diagnosis and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

		Male-	to-male sexual co	ontact		Male-	to-male sex	ual contact and i	njection dru	ıg use
•			2020					2020		
	2018	2019	(COVID-19 pandemic) ^a	2021	2022	2018	2019	(COVID-19 pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
	110.	110.	140.			Alaska Native		NO.	110.	110.
Age at diagnosis (yr)				AIII	erican mulan	Alaska Native	,			
13–14	0	0	0	0	0	0	0	0	0	0
15–19	6	6	5	9	3	0	0	0	0	0
20–24	24	25	20	16	21	2	3	3	1	3
25–29	20	25	25	31	24	7	5	4	1	5
30–34	17	14	16	25	24	5	1	3	5	3
35–39	8	15	11	20	15	2	3	4	4	4
40–44	7	4	11	10	14	1	0	3	Ö	1
45–49	7	6	6	5	4	2	1	0	2	Ó
50–54	6	7	11	7	2	0	1	0	1	1
55–59	2	2	5		5	1	0	0	0	1
	0	2		3		'	-			ı
60–64	0		2	5	1	0	0	0	0	0
65–69	1	0	1	2	1	0	0	0	0	0
70–74	1	0	0	0	1	0	0	0	0	0
≥75	0	0	0	0	0	0	0	0	0	0
Region of residence ^b										
Northeast	4	3	5	3	6	0	0	0	0	0
Midwest	12	7	8	18	15	4	1	4	6	2
South	15	34	32	38	30	3	2	0	1	2
West	68	61	68	73	64	13	11	13	8	13
U.S. territories and freely associated states	0	0	0	0	0	0	0	0	0	0
Total	99	105	113	131	114	20	14	18	15	18
					As	ian				
Age at diagnosis (yr)										
13–14	1	0	0	0	0	0	0	0	0	0
15–19	22	18	17	21	17	0	0	0	0	1
20-24	108	94	57	83	86	0	2	1	2	1
25-29	164	126	121	124	123	5	5	4	2	3
30-34	117	94	86	114	130	3	4	4	4	3
35–39	68	71	49	72	80	4	1	0	4	2
40–44	63	41	44	47	76	1	0	2	2	0
45–49	56	52	39	39	45	1	1	0	1	2
50–54	22	35	24	36	33	0	0	0	0	0
55–59	20	15	14	23	17	0	0	0	1	0
60–64	9	8	10	8	12	0	0	0	0	0
65–69	6	2	7	3	2	0	0	0	0	0
70–74	2	5	1	1	2	0	0	0	0	0
70-74 ≥75	3	2	1	1	1	0	0	0	0	0
	3	2	ı	ļ	ı	U	U	U	U	U
Region of residence ^b	4.45			40:		_	_	_	_	_
Northeast	119	98	73	104	99	2	3	0	2	2
Midwest	63	52	53	56	72	1	1	1	3	2
	168	137	100	147	159	2	4	0	1	4
South	00-	271	244	263	295	10	5	9	10	5
South West	307									
South	30 <i>7</i> 4	6	0	1	0	0	1	0	0	0

Table 5b. Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and injection drug use, by year of diagnosis and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

		Male-	to-male sexual co	ontact		Male-	to-male sex	ual contact and i	njection dru	ig use
	2018	2010	2020 (COVID-19 pandemic) ^a	2021	2022	2049	2010	2020 (COVID-19 pandemic) ^a	2024	2022
	2016 No.	2019 No.	No.	2021 No.	2022 No.	2018 No.	2019 No.	No.	2021 No.	2022 No.
	NO.	NO.	NO.	NO.		an American	NO.	140.	NO.	NO.
Age at diagnosis (yr)					DIACK/AITIC	an American				
13–14	7	7	2	3	5	0	0	0	0	0
15–19	801	782	604	691	610	12	14	13	9	8
20–24	2,372	2,348	2,061	2,329	2,222	55	41	43	33	46
25–29	2,456	2,316	1,946	2,044	2,115	81	93	60	54	50
30-34	1,253	1,414	1,426	1,603	1,642	50	59	59	64	55
35-39	721	736	645	757	849	27	41	27	36	37
40–44	441	452	379	413	502	19	23	16	25	18
45-49	348	335	263	274	285	11	19	10	14	10
50-54	306	281	239	226	238	18	18	7	8	13
55–59	196	198	185	213	175	9	11	6	9	12
60–64	99	115	93	116	112	7	6	3	3	10
65–69	47	44	33	47	45	3	1	1	2	3
70–74	23	24	13	12	20	0	1	0	1	0
≥75	6	13	6	10	12	0	0	0	0	0
Region of residence ^b										
Northeast	1,066	1,102	937	992	1,041	52	38	35	33	26
Midwest	1,439	1,396	1,290	1,366	1,288	56	49	43	48	43
South	5,756	5,795	4,963	5,556	5,742	143	182	122	138	144
West	808	767	703	820	757	42	58	45	38	51
U.S. territories and freely associated states	5	3	3	4	4	0	0	0	0	0
Total	9,075	9,064	7,895	8,738	8,831	293	327	246	256	264
					Hispanio	c/Latino ^c				
Age at diagnosis (yr)										
13–14	0	2	3	4	3	0	0	1	0	0
15–19	341	376	270	320	336	15	10	9	12	6
20–24	1,465	1,481	1,132	1,357	1,544	81	76	45	49	37
25–29	1,852	1,810	1,499	1,829	2,163	123	106	89	83	80
30–34	1,343	1,335	1,254	1,589	1,924	65	75	70	78	79
35–39	924	927	768	1,044	1,226	50	62	41	50	55
40–44	575	607	529	685	846	29	38	24	33	47
45–49	500	462	353	441 251	513 262	22	24	20	18	24
50–54 55–59	340	353	302	351	363	16	21	11	17 10	10
60–64	199 92	193 99	191 88	213 130	277 103	4 5	14 2	5 7	10	12
65–69	45	40	36	61	45	1	3	0	5 2	4 1
70–74	22	18	15	12	22	1	1	1	0	1
70–74 ≥75	5	13	4	3	10	1	0	0	0	0
Region of residence ^b	3	10	7	3	10	į	U	U	J	U
Northeast	1,188	1,199	923	1,088	1,273	59	61	38	38	29
INVITIEGAL	547	549	436	602	744	35	36	36 21	36 19	29 26
			700							
Midwest				3 422	3 961	136	159	120	121	1.50
Midwest South	3,084	3,099	2,568	3,422 2,681	3,961 3 178	136 172	159 167	120 138	121 176	130 166
Midwest				3,422 2,681 245	3,961 3,178 218	136 172 11	159 167 11	120 138 4	121 176 2	166 5

Table 5b. Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and injection drug use, by year of diagnosis and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

-		Male-	to-male sexual co	ontact		Male-	to-male sex	ual contact and i	njection dru	g use
			2020 (COVID-19					2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
				Nativ	e Hawaiian/ot	her Pacific Isl	ander			
Age at diagnosis (yr)	0	0	4	0	0	0	0	0	0	0
13–14 15–19	0 3	0	1 2	0 4	0	0 0	0 0	0 1	0 0	0 0
20–24	5 5	6	5	4	12	2	0	0	1	0
25–29	9	16	9	13	16	2	1	1	0	0
30–34	9	9	8	9	9	1	1	1	2	1
35–39	7	6	6	10	5	Ó	1	0	0	0
40–44	2	5	5	7	9	0	0	0	0	0
45–49	2	0	1	3	5	0	0	1	0	0
50–54	1	4	2	4	1	0	0	0	0	1
55–59	3	1	0	1	2	0	0	0	0	0
60–64	1	1	0	2	1	0	0	0	0	0
65–69	1	0	0	1	0	0	0	0	Õ	0
70–74	0	0	0	0	1	0	0	0	0	0
≥75	0	0	0	0	0	0	0	0	0	0
Region of residence ^b										
Northeast	2	1	4	2	3	0	0	0	0	0
Midwest	1	4	1	6	5	0	0	1	0	0
South	6	9	6	13	11	0	Ö	Ö	0	0
West	32	33	27	36	42	5	2	4	4	2
U.S. territories and freely	1	2	1	0	0	0	1	0	0	0
associated states	•	_	•	v	Ü	ŭ		Ü	ŭ	ŭ
Total	42	49	38	57	60	5	3	5	4	2
					Wi	nite				
Age at diagnosis (yr)										
13–14	0	1	0	0	0	0	0	0	0	0
15–19	163	127	123	105	114	11	14	3	3	4
20-24	771	690	566	603	625	74	80	55	55	46
25-29	1,079	1,072	880	983	953	190	166	123	122	107
30-34	926	859	813	990	1,007	153	149	111	172	136
35–39	637	642	514	713	772	122	118	111	121	108
40–44	506	441	431	537	559	58	63	52	101	79
45–49	548	460	390	419	396	53	57	46	56	49
50–54	525	487	438	461	433	43	38	33	45	31
55–59	429	449	404	435	430	27	34	25	23	35
60–64	247	235	202	265	252	7	15	11	18	17
65–69	124	117	113	117	116	6	10	5	8	8
70–74	59	46	43	37	56	0	2	1	3	3
≥75	29	17	22	20	25	1	0	0	0	1
Region of residence ^b										
	735	665	557	655	656	80	64	72	82	62
Northeast				1,065	980	134	147	101	147	121
Northeast Midwest	1,066	951	906							
Northeast Midwest South	1,066 2,701	2,574	2,173	2,584	2,732	309	308	227	293	264
Northeast Midwest South West	1,066 2,701 1,533	2,574 1,447		2,584 1,374	2,732 1,362	309 220	308 224	227 176	293 205	176
Northeast Midwest South	1,066 2,701	2,574	2,173	2,584	2,732	309	308	227	293	

Table 5b. Diagnoses of HIV infection among males, based on sex assigned at birth, attributed to male-to-male sexual contact and injection drug use, by year of diagnosis and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

		Male-	to-male sexual c	ontact		Male-	to-male sex	ual contact <i>and</i> i	njection dru	g use
	2018	2019	2020 (COVID-19 pandemic) ^a	2021	2022	2018	2019	2020 (COVID-19 pandemic) ^a	2021	2022
	No.	No.	. No.	No.	No.	No.	No.	No.	No.	No.
					Multi	racial				
Age at diagnosis (yr)					marci	i doidi				
13–14	0	0	0	0	2	0	0	0	0	0
15–19	55	56	47	60	42	2	1	1	1	1
20–24	248	208	161	179	131	14	8	13	6	5
25–29	248	235	184	170	161	32	23	17	17	10
30-34	155	147	123	156	142	14	34	11	22	9
35-39	104	93	78	84	75	16	9	7	8	10
40-44	57	59	55	53	38	2	12	8	4	5
45-49	50	41	45	36	28	5	2	7	4	3
50-54	38	26	32	38	30	5	3	3	2	3
55–59	22	41	19	27	13	0	2	0	2	3
60-64	12	13	9	8	9	0	1	0	0	3
65-69	8	5	8	7	6	0	2	0	0	0
70–74	4	2	4	4	3	0	0	0	0	0
≥75	0	2	0	1	1	0	0	0	0	0
Region of residence ^b										
Northeast	158	158	119	118	103	12	12	7	9	6
Midwest	128	109	110	123	93	18	14	, 15	16	13
South	516	476	391	437	379	33	49	26	27	20
West	200	184	146	146	106	28	21	19	14	15
U.S. territories and freely	0	0	0	0	0	0	0	0	0	0
associated states	· ·	v	Ů	v	ŭ	Ŭ	·	v	·	· ·
Total	1,001	927	766	823	680	91	96	67	66	53
	1,001	V 2.	100	020		tal		<u> </u>		
A wa at diamasais (cm)					10	tai				
Age at diagnosis (yr)	0	10	0	c	10	0	0	4	0	0
13–14	4 200	10	4 000	6	10	0	0	1	0	0
15–19	1,390	1,365	1,069	1,209	1,123	40	39	26 100	24	20
20–24 25–29	4,993	4,852	4,001	4,569	4,641	228	210	160	147	139
30–34	5,827	5,599	4,664	5,193	5,556	441	397	298	280	254
	3,820	3,872	3,726	4,486	4,880	290	323	260	346	287
35–39	2,469	2,490	2,071	2,700	3,022	221	236	191	222	216
40–44	1,650	1,609	1,454	1,751	2,044	110	135	105	165	151
45–49	1,512	1,356	1,097	1,216	1,275	93	104	84	95	88
50–54	1,239	1,192	1,047	1,121	1,098	82	82	55 27	73	59
55–59	870	899	818	915	918	41	60	37	45	62
60–64	460	471	403	534	489	19	24	21	27	35
65–69	231	207	198	238	215	10	15	6	12	12
70–74 > 75	110	96 46	75 24	67 20	104	1	4	2	3	4
≥75	43	46	34	36	49	2	1	0	0	1
Region of residence ^b				0.555						
Northeast	3,272	3,226	2,618	2,962	3,180	204	177	153	164	124
Midwest	3,256	3,068	2,803	3,234	3,197	248	248	186	238	207
South	12,246	12,123	10,231	12,197	13,014	624	704	496	581	564
West	5,572	5,410	4,810	5,392	5,802	491	488	405	453	427
U.S. territories and freely associated states	276	237	200	256	229	11	13	4	3	5
Total	24,622	24,064	20,662	24,041	25,422	1,578	1,629	1,244	1,439	1,327

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. 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. Persons whose transmission category is classified as male-to-male sexual contact or male-to-male sexual contact and injection drug use are presented based on sex assigned at birth and include transgender and additional gender identity persons.

a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

^C Hispanic/Latino persons can be of any race.

Table 6a. Diagnoses of HIV infection attributed to injection drug use, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States

			Male sex at birth				F	emale sex at bir	th	
			2020			-		2020		
	2018	2019	(COVID-19 pandemic) ^a	2021	2022	2018	2019	(COVID-19 pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
					merican India					
Age at diagnosis (yr)						in indona itali				
13–14	0	0	0	0	0	0	0	0	0	0
15–19	1	0	0	0	0	0	1	0	1	0
20–24	0	2	1	0	0	0	2	0	1	4
25–29	1	0	0	3	1	2	1	5	5	3
30-34	3	2	4	1	2	2	1	3	4	7
35-39	0	3	1	0	5	4	5	4	3	6
40–44	0	2	0	2	3	1	2	1	0	1
45–49	1	1	0	1	0	2	0	1	1	2
50–54	2	1	2	0	1	2	2	0	3	3
55–59	0	0	0	0	2	1	0	1	1	0
60–64	0	0	0	0	1	1	0	0	0	0
65–69	0	0	0	0	0	0	1	0	0	0
70–74	0	0	0	0	0	0	0	0	0	0
≥75	0	0	0	0	0	0	0	0	0	0
Region of residence ^b										
Northeast	0	0	0	0	0	0	0	0	0	0
Midwest	3	3	2	3	6	3	6	8	7	13
South	1	3	4	3	4	6	5	1	2	5
West	6	7	2	3	5	6	6	7	12	7
Total	9	13	9	9	15	15	16	17	20	26
	Ţ.					ian		.,		
Age at diagnosis (yr)						iaii				
13–14	0	0	0	0	0	0	0	0	0	0
15–19	0	0	0	0	0	0	0	0	0	0
20–24	1	0	0	0	0	0	0	0	0	0
25–29	0	1	1	0	3	0	1	0	3	0
30–34	3	0	3	3	1	2	2	2	1	1
35–39	0	2	1	2	4	0	1	0	1	2
40–44	3	2	2	2	5	1	1	0	0	1
45–49	2	3	2	2	1	0	1	1	0	1
50–54	1	3	3	1	1	0	0	0	1	1
55–59	1	2	1	1	1	0	0	0	0	0
60–64	0	0	2	2	2	0	0	0	0	0
65–69	0	0	0	0	0	0	1	0	0	0
70–74	0	0	0	0	0	0	0	0	0	0
≥75	1	0	0	0	0	0	0	0	0	0
Region of residence ^b	•	J	Ŭ	·	·	•	•	v	·	· ·
Northeast	5	2	2	2	5	1	2	1	1	2
Midwest	2	3	3	4	1	0	1	0	1	∠ 1
South	4	2	3 1	1	2	1	1	1	2	1
West	1	6	8	6	9	2	4	1	3	1 1
VVGSL	12	13	15	1 3				ı		4
Total					17	5	7	4	6	7

Table 6a. Diagnoses of HIV infection attributed to injection drug use, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States (cont)

			Male sex at birth				F	emale sex at birt	:h	
	2042	2010	2020 (COVID-19				2012	2020 (COVID-19	222	
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
					Black/Africa	n American				
Age at diagnosis (yr)	0	0	0	0	0	0	4	0	0	0
13–14	0	0	0	0	0	0	1	0	0	0
15–19	4	4	2	2	4	8	6	8	4	6
20–24	20	22	18	24	30	27	34	19	25	26
25–29	46	48	36	34	55	30	42	33	35	40
30–34	45	57	39	54	61	42	42	35	36	50
35–39	56	42	34	49	45	35	44	29	40	32
40–44	34	39	27	43	54	34	36	18	31	34
45–49	43	29	31	31	29	33	35	26	27	26
50–54	50	36	30	32	35	39	31	24	31	34
55–59	47	39	42	44	30	37	32	31	31	19
60–64	34	42	24	36	24	26	27	18	18	24
65–69	18	14	19	19	14	9	12	7	12	12
70–74	8	8	7	7	8	4	7	1	4	5
≥75	7	6	4	4	5	2	3	1	2	2
Region of residence ^b										
Northeast	118	106	90	100	104	81	93	47	66	62
Midwest	58	51	43	48	57	50	48	41	50	51
South	193	188	155	193	202	161	169	128	150	158
West	43	40	25	39	33	36	41	33	31	39
Total	412	385	312	380	396	327	350	249	298	309
					Hispani	c/Latino ^c				
Age at diagnosis (yr)										
13–14	0	0	0	0	0	1	0	1	0	0
15–19	2	1	2	1	2	2	6	3	5	2
20–24	25	19	16	22	20	23	23	13	12	16
25–29	32	48	40	38	44	21	26	18	27	21
30–34	64	46	36	63	64	29	23	33	31	36
35–39	49	49	43	50	57	29	36	27	30	22
40–44	35	35	41	37	43	15	14	17	16	26
45–49	35	26	26	28	38	21	18	11	15	14
50–54	35	28	24	26	27	17	18	11	15	7
55–59	27	24	14	20	16	9	10	8	12	13
60–64	15	14	14	11	14	9	6	10	7	7
65–69	4	6	7	9	7	3	3	2	4	3
70–74	3	5	4	3	2	2	2	1	2	1
>75 ≥75	1	2	3	1	2	2	0	1	0	1
Region of residence ^b	ı	۷	3	'	۷	4	U	ı	U	'
Northeast	104	88	73	74	84	58	53	36	40	36
Midwest	14	13	75 15	29	22	11	14	7	7	8
South	95	84	76	85	106	49	56	47	55	51
West	112	118	106	122	124	63	61	65	73	74
11001	114	110	100	144	147	00	O I	00	7.0	7 -
Total	325	302	270	310	336	182	184	155	175	169

Table 6a. Diagnoses of HIV infection attributed to injection drug use, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States (cont)

			Male sex at birth			Female sex at birth					
	0040	0040	2020 (COVID-19	0004	0000	0040	0040	2020 (COVID-19	0004	2222	
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022	
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
Age at diagnosis (yr)				Nativ	e Hawaiian/ot	ner Pacific Isla	ander				
13–14	0	0	0	0	0	0	0	0	0	0	
15–19	0	0	0	0	0	0	0	0	0	0	
20–24	0	0	0	0	0	0	0	0	0	1	
25–29	0	1	0	0	0	0	0	0	0	1	
30–34	0	0	0	1	0	0	0	0	1	2	
35–39	0	0	1	0	1	0	0	0	1	1	
40–44	0	0	0	0	1	0	0	0	0	0	
45–49	1	0	0	0	0	0	0	2	0	0	
50–54	0	0	0	0	0	0	0	0	1	0	
55–59	0	0	0	0	1	0	0	0	0	0	
55–59 60–64	•		•		0	-	•	•	-	0	
	0	0	0	0		0	0	0	0	-	
65–69 30, 34	0	0	0	1	0	0	0	0	0	0	
70–74 > 75	0	0	0	0	0	0	0	0	0	0	
≥75	0	0	0	0	0	0	0	0	0	0	
Region of residence ^b											
Northeast	0	0	0	0	0	0	0	0	0	0	
Midwest	0	1	1	0	0	0	0	0	0	1	
South	0	0	0	0	0	0	0	0	1	0	
West	1	0	1	2	3	0	0	2	2	5	
Total	1	1	2	2	3	0	0	2	3	6	
					Wi	nite					
Age at diagnosis (yr)											
13–14	0	0	0	0	0	0	0	0	0	0	
15–19	4	0	3	1	2	8	7	2	7	5	
20–24	33	43	17	27	26	47	45	20	34	32	
25–29	91	103	81	107	79	86	88	77	81	67	
30–34	106	113	120	140	146	95	108	82	111	115	
35–39	109	98	112	139	130	95	97	67	108	112	
40–44	61	74	63	92	73	69	76	44	61	90	
45–49	49	67	51	57	66	45	58	39	52	60	
50–54	52	43	32	53	51	45	39	40	51	39	
55–59	33	45	36	32	37	30	35	35	25	36	
60–64	20	15	14	20	26	12	15	17	17	28	
65–69	5	7	4	12	10	3	3	4	10	9	
70–74	4	1	2	2	6	2	1	2	1	4	
≥75	1	1	3	1	3	2	1	1	2	2	
Region of residence ^b											
Northeast	108	94	98	112	95	91	76	56	70	82	
Midwest	115	108	91	120	118	109	98	65	113	94	
South	212	274	245	322	320	226	288	225	283	308	
West	132	135	103	127	122	111	110	84	93	113	
Total	568	610	537	682	655	537	573	430	558	597	

Table 6a. Diagnoses of HIV infection attributed to injection drug use, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States (cont)

			Male sex at birth				F	emale sex at birt	h	
	2018	2019	2020 (COVID-19 pandemic) ^a	2021	2022	2018	2019	2020 (COVID-19 pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
	NO.	NO.	NO.	NO.			NO.	NO.	NO.	NO.
Ago at diagnosis (vr)					Multi	racial				
Age at diagnosis (yr) 13–14	0	0	0	0	0	0	0	0	0	0
15–14	1	0	0	1	0	4	3	0	2	0
20–24	5	3	6	4	1	10	3 4	3	2	2
25–29	7	7	7	5	5	12	11	7	7	6
30–34	6	14	10	11	9	8	4	5	4	6
35–39	4	4	9	4	11	8	14	4	4	9
40–44	4	5	1	8	4	5	8	4	5	4
45–49	4	4	3	2	6	8	6	4	4	5
50–54	6	5	2	6	3	6	4	1	5	3
55–59	4	2	4	2	3	2	2	1	3	3
60–64	3	1	3	1	2	3	2	1	3 1	2
65–69		2		0	1	2	1	1	1	1
70–74	0	1	0 1			0				1
70–74 ≥75	0	0	0	1 0	0 0	0	0 0	0 0	0 0	•
	U	U	U	U	U	U	U	U	U	0
Region of residence ^b	_	4.0	_	_	•	40		_	_	•
Northeast	7	18	7	5	8	13	10	5	5	6
Midwest	6	9	10	8	6	10	12	7	5	7
South	20	14	23	21	22	30	27	13	20	23
West	13	7	7	11	8	15	10	6	7	7
Total	45	47	47	44	43	68	59	31	37	42
					To	otal				
Age at diagnosis (yr)										
13–14	0	0	1	0	0	1	1	1	0	1
15–19	12	5	7	6	8	23	22	12	20	13
20–24	84	89	57	78	77	107	108	55	74	81
25–29	178	208	166	187	186	150	169	141	157	138
30–34	226	232	212	273	283	178	180	159	188	217
35–39	218	197	203	245	252	171	196	132	186	184
40–44	137	156	134	183	183	124	138	85	114	157
45–49				400	111		110	83	99	107
	135	129	114	120	141	110	119			
50–54	147	116	93	117	118	109	95	77	106	85
55–59	147 111	116 113	93 96	117 99	118 89	109 78	95 78	77 76	106 72	72
55–59 60–64	147 111 72	116 113 73	93 96 55	117 99 70	118 89 69	109 78 52	95 78 49	77 76 46	106 72 42	72 61
55–59 60–64 65–69	147 111 72 27	116 113 73 28	93 96 55 31	117 99 70 42	118 89 69 32	109 78 52 17	95 78 49 21	77 76 46 13	106 72 42 27	72 61 25
55–59 60–64 65–69 70–74	147 111 72 27 15	116 113 73 28 16	93 96 55 31 14	117 99 70 42 14	118 89 69 32 16	109 78 52 17 8	95 78 49 21 10	77 76 46 13 4	106 72 42 27 7	72 61 25 10
55–59 60–64 65–69 70–74 ≥75	147 111 72 27	116 113 73 28	93 96 55 31	117 99 70 42	118 89 69 32	109 78 52 17	95 78 49 21	77 76 46 13	106 72 42 27	72 61 25
55–59 60–64 65–69 70–74	147 111 72 27 15	116 113 73 28 16	93 96 55 31 14	117 99 70 42 14	118 89 69 32 16	109 78 52 17 8	95 78 49 21 10	77 76 46 13 4	106 72 42 27 7	72 61 25 10
55–59 60–64 65–69 70–74 ≥75 Region of residence ^b Northeast	147 111 72 27 15 10	116 113 73 28 16	93 96 55 31 14 9	117 99 70 42 14 6	118 89 69 32 16 11	109 78 52 17 8	95 78 49 21 10 4	77 76 46 13 4 4	106 72 42 27 7	72 61 25 10 5
55–59 60–64 65–69 70–74 ≥75 Region of residence ^b	147 111 72 27 15 10	116 113 73 28 16 9	93 96 55 31 14 9	117 99 70 42 14 6	118 89 69 32 16 11	109 78 52 17 8 6	95 78 49 21 10 4	77 76 46 13 4 4	106 72 42 27 7 4	72 61 25 10 5
55–59 60–64 65–69 70–74 ≥75 Region of residence ^b Northeast	147 111 72 27 15 10	116 113 73 28 16 9	93 96 55 31 14 9	117 99 70 42 14 6	118 89 69 32 16 11	109 78 52 17 8 6	95 78 49 21 10 4	77 76 46 13 4 4	106 72 42 27 7 4	72 61 25 10 5
55–59 60–64 65–69 70–74 ≥75 Region of residence ^b Northeast Midwest	147 111 72 27 15 10 342 197	116 113 73 28 16 9 309 187	93 96 55 31 14 9 270 164	117 99 70 42 14 6	118 89 69 32 16 11 295 209	109 78 52 17 8 6	95 78 49 21 10 4 234 178	77 76 46 13 4 4 4	106 72 42 27 7 4 181 183	72 61 25 10 5

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.

Persons whose transmission category is classified as injection drug use include transgender and additional gender identity persons.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

^c Hispanic/Latino persons can be of any race.

Table 6b. Diagnoses of HIV infection attributed to injection drug use, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

Age at diagnosis (yr) 13–14 15–19 20-18 2018 2019 pandemic) No. No. No. 0 0 0 0 15–19 1 0 0 20–24 0 21	0 0 0	2022 No. American India 0 0	2018 No. n/Alaska Nativ	2019 No.	2020 (COVID-19 pandemic) ^a No.	2021 No.	2022 No.
No. No. No. Age at diagnosis (yr) 13–14 0 0 0 15–19 1 0 0	0 0 0	No. American India 0	No.	No.	-		
Age at diagnosis (yr) 13–14 0 0 0 15–19 1 0 0	0 0 0	American India			No.	No.	No.
13–14 0 0 0 15–19 1 0 0	0 0 0	0	n/Alaska Nativ	/e			
13–14 0 0 0 15–19 1 0 0	0 0						
15–19 1 0 0	0 0						
	0	Λ	0	0	0	0	0
20_24 0 2 1			0	1	0	1	0
	^	0	0	2	0	1	4
25–29 1 0 0	3	1	2	1	5	5	3
30–34 3 2 4	1	2	2	1	3	4	7
35–39 0 3 1	0	5	4	5	4	3	6
40–44 0 2 0	2	3	1	2	1	0	1
45–49 1 1 0	1	0	2	0	1	1	2
50–54 2 1 2	0	1	2	2	0	3	3
55–59 0 0 0	0	2	1	0	1	1	0
60-64 0 0 0	0	1	1	0	0	0	0
65–69 0 0 0	0	0	0	1	0	0	0
70–74 0 0 0	0	0	0	0	0	0	0
≥75 0 0 0	0	0	0	0	0	0	0
Region of residence ^b							
Northeast 0 0 0	0	0	0	0	0	0	0
Midwest 3 3 2	3	6	3	6	8	7	13
South 1 3 4	3	4	6	5	1	2	5
West 6 7 2	3	5	6	6	7	12	7
U.S. territories and freely 0 0 0 associated states	0	0	0	0	0	0	0
Total 9 13 9	9	15	15	16	17	20	26
		As	ian				
Age at diagnosis (yr)							
13–14 0 0 0	0	0	0	0	0	0	0
15–19 0 0 0	0	0	0	0	0	0	0
20–24 1 0 0	0	0	0	0	0	0	0
25–29 0 1 1	0	3	0	1	0	3	0
30–34 3 0 3	3	1	2	2	2	1	1
35–39 0 2 1	2	4	0	1	0	1	2
40–44 3 2 2	2	5	1	1	0	0	1
45–49 2 3 2	2	1	0	1	1	0	1
50–54 1 3 3	1	1	0	0	0	1	1
55–59 1 2 1	1	1	0	0	0	0	0
60–64 0 0 2	2	2	0	0	0	0	0
65–69 0 0	0	0	0	1	0	0	0
70–74 0 0 0	0	0	0	0	0	0	0
≥75	0	0	0	0	0	0	0
Region of residence ^b							
Northeast 5 2 2	2	5	1	2	1	1	2
Midwest 2 3 3	4	1	0	1	0	1	1
South 4 2 1	1	2	1	1	1	2	1
West 1 6 8	6	9	2	4	1	3	4
U.S. territories and freely 0 0 0 associated states	0	0	0	0	0	0	0
Total 12 13 15	13	17	5	7	4	6	7

Table 6b. Diagnoses of HIV infection attributed to injection drug use, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Male sex at birth				F	emale sex at birt	h	
			2020 (COVID-19					2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
					Black/Afric	an American				
Age at diagnosis (yr)										
13–14	0	0	0	0	0	0	1	0	0	0
15–19	4	4	2	2	4	8	6	8	4	6
20–24	20	22	18	24	30	27	34	19	25	26
25–29	46	48	36	34	55	30	42	33	35	40
30–34	45	57	40	54	61	42	42	35	36	50
35–39	56	42	34	49	45	35	44	29	40	32
40–44	34	40	27	43	54	34	36	18	31	34
45–49	44	29	31	31	29	33	35	26	27	26
50–54	50	36	30	32	35	39	31	24	31	34
55–59	47	40	42	44	31	37	32	31	31	19
60–64	34	42	24	36	24	26	27	18	18	24
65–69	18	14	19	19	14	10	12	7	12	12
70–74	8	8	7	7	8	4	7	1	4	5
≥75	7	6	4	4	5	2	3	1	2	2
Region of residence ^b										
Northeast	118	106	90	100	104	81	93	47	66	62
Midwest	58	51	43	48	57	50	48	41	50	51
South	193	188	155	193	202	161	169	128	150	158
West	43	40	25	39	33	36	41	33	31	39
U.S. territories and freely associated states	2	1	1	1	1	0	0	0	0	0
Total	414	386	313	381	397	327	350	249	298	309
					Hispani	c/Latino ^c				
Age at diagnosis (yr)										
13–14	0	0	0	0	0	1	0	1	0	0
15–19	2	1	2	1	2	2	6	3	5	2
20–24	25	19	16	22	20	24	23	13	12	16
25–29	34	48	40	40	44	21	26	18	27	22
30–34	67	47	39	63	66	30	23	33	32	38
35–39	50	53	45	52	62	29	37	27	30	22
40–44	40	39	46	41	48	15	14	18	16	26
45–49	38	27	28	30	41	21	20	11	15	15
50–54	41	30	25	28	29	17	19	12	16	7
55–59	27	26	16	22	20	9	11	8	12	13
60-64	17	17	16	13	16	9	6	10	7	8
65–69	6	8	8	10	8	3	3	3	4	3
70–74	3	6	4	3	2	2	2	1	2	1
≥75	1	3	3	1	2	2	0	1	0	1
Region of residence ^b										
Northeast	104	88	73	74	84	58	53	36	40	36
	14	13	15	29	22	11	14	7	7	8
Midwest					106	49	56	47	55	51
Midwest South		84	76	ດຕ						
South	95	84 118	76 106	85 122						
		84 118 20	76 106 18	122 16	124 24	63 2	61 5	65 2	73 1	74 5

Table 6b. Diagnoses of HIV infection attributed to injection drug use, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

	Male sex at birth					Female sex at birth					
_	2020 (COVID-19				2020 (COVID-19						
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022	
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
				Nativ	ve Hawaiian/ot	her Pacific Isl	ander				
Age at diagnosis (yr)											
13–14	0	0	0	0	0	0	0	0	0	0	
15–19	0	0	0	0	0	0	0	0	0	0	
20–24	0	0	0	0	0	0	0	0	0	1	
25–29	0	1	0	0	0	0	0	0	0	1	
30–34	0	0	0	1	0	0	0	0	1	2	
35–39	0	0	1	0	1	0	0	0	1	1	
40–44	0	0	0	0	1	0	0	0	0	0	
45–49	1	0	0	0	0	0	0	2	0	0	
50-54	0	0	0	0	0	0	0	0	1	0	
55–59	1	0	0	0	1	0	0	0	0	0	
60–64	0	0	0	0	0	0	0	0	0	0	
65–69	0	0	0	1	0	0	0	0	0	0	
70–74	0	0	0	0	0	0	0	0	0	0	
≥75	0	0	0	0	0	0	0	0	0	0	
Region of residence ^b											
Northeast	0	0	0	0	0	0	0	0	0	0	
Midwest	0	1	1	0	0	0	0	0	0	1	
South	0	0	0	0	0	0	0	0	1	0	
West	1	0	1	2	3	0	0	2	2	5	
U.S. territories and freely associated states	1	0	0	0	0	0	0	0	0	0	
Total	2	1	2	2	3	0	0	2	3	6	
					VA/	nite					
Age at diagnosis (yr)					VVI	IIIG					
13–14	0	0	0	0	0	0	0	0	0	0	
15–14	4	0	3	1	2	8	7	2	7	0 5	
20–24	33	43	17	27	26	47	45	20	34	32	
25–29	91	103	81	107	79	86	88	77	81	67	
30–34	106	113	120	140	146	95	108	82	111	115	
35–39	109	98	112	139	130	95	97	67	108	112	
40–44	61	74	63	92	73	69	76	44	61	90	
45–49	49	67	51	57	66	45	58	39	52	60	
50–54	52	43	32	53	51	45	39	40	51	39	
55–59	33	45	36	32	37	30	35	35	25	36	
60–64	20	16	14	20	26	12	15	17	17	28	
65–69	5	7	4	12	11	3	3	4	10	9	
70–74	4	1	2	2	6	2	1	2	1	4	
≥75	1	1	3	1	3	2	1	1	2	2	
Region of residence ^b	•	•	·	•	•	=	•	•	_	=	
Northeast	108	94	98	112	95	91	76	56	70	82	
Midwest	115	108	91	120	118	109	98	65	113	94	
South	212	274	245	322	320	226	288	225	283	308	
West	132	135	103	127	122	111	110	84	93	113	
U.S. territories and freely associated states	0	0	0	0	0	0	0	0	0	0	
Total	568	610	537	682	656	537	573	430	558	597	

Table 6b. Diagnoses of HIV infection attributed to injection drug use, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

	Male sex at birth					Female sex at birth					
-	2020 (COVID-19					2020 (COVID-19					
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022	
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
					Multi	racial					
Age at diagnosis (yr)											
13–14	0	0	0	0	0	0	0	0	0	0	
15–19	1	0	0	1	0	4	3	0	2	0	
20–24	5	3	6	4	1	10	4	3	2	2	
25–29	7	7	7	5	5	12	11	7	7	6	
30–34	6	14	10	11	9	8	4	5	4	6	
35–39	4	4	9	4	11	8	14	4	4	9	
40–44	4	5	1	8	4	5	8	4	5	4	
45–49	4	4	3	2	6	8	6	4	4	5	
50–54	6	5	2	6	3	6	4	1	5	3	
55–59	4	2	4	2	3	2	2	1	3	3	
60–64	3	1	3	1	2	3	2	1	1	2	
65–69	0	2	0	0	1	2	1	1	1	1	
70–74	0	1	1	1	0	0	0	0	0	1	
≥75	0	0	0	0	0	0	0	0	0	0	
Region of residence ^b											
Northeast	7	18	7	5	8	13	10	5	5	6	
Midwest	6	9	10	8	6	10	12	7	5	7	
South	20	14	23	21	22	30	27	13	20	23	
West	13	7	7	11	8	15	10	6	7	7	
U.S. territories and freely associated states	0	0	0	0	0	0	0	0	0	0	
Total	45	47	47	44	43	68	59	31	37	42	
					To	Total					
Age at diagnosis (yr)											
13–14	0	0	1	0	0	1	1	1	0	1	
15–19	12	5	7	6	8	23	22	12	20	13	
20–24	84	90	57	78	78	108	108	55	74	81	
25–29	180	208	166	188	187	150	169	141	157	139	
30–34	229	232	216	273	285	179	180	159	189	218	
35–39	219	201	205	246	257	171	197	132	186	184	
40–44	142	161	139	188	187	124	138	86	114	157	
45–49	138	130	116	123	144	110	121	83	99	109	
50–54	153	118	94	120	120	109	96	77	107	85	
55–59	113	115	98	101	93	78	79	76	72	72	
60–64	74	76	57	72	70	52	49	46	42	62	
65–69	29	30	32	42	34	17	21	14	27	25	
70–74	15	16	15	14	16	8	10	4	7	10	
≥75	10	10	9	6	11	6	4	4	4	5	
Region of residence ^b											
Northeast	342	309	270	293	295	244	234	144	181	187	
Midwest	197	187	164	213	209	183	178	129	183	175	
South	525	564	505	624	657	473	546	415	512	546	
West	308	312	252	311	304	233	232	198	220	248	
U.S. territories and freely associated states	26	22	19	17	25	3	5	3	1	5	
Total	1,399	1,393	1,210	1,458	1,490	1,136	1,195	889	1,098	1,160	
Note 11 C territories and free	l, 399			1,400		I, I 30					

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. 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. Persons whose transmission category is classified as injection drug use are presented based on sex assigned at birth and include transgender and additional gender identity persons.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

^c Hispanic/Latino persons can be of any race.

Table 7a. Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States

	Male sex at birth					Female sex at birth					
	2018	2019	2020 (COVID-19 pandemic) ^a	2021	2022	2018	2019	2020 (COVID-19 pandemic) ^a	2021	2022	
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
	140.	140.	110.		merican India			140.	140.	140.	
Age at diagnosis (yr)				P	merican india	n/Alaska Nati	ve				
13–14	0	0	0	0	0	0	0	0	0	0	
15–19	1	0	0	0	0	1	0	0	0	0	
20–24	1	1	0	0	1	1	2	0	0	3	
25–29	1	0	0	4	1	1	2	1	3	6	
30–34	1	1	0	2	2	1	4	4	5	5	
35–39	1	0	0	0	1	2	6	4	4	4	
40–44	0	2	0	0	2	3	5	4	3	2	
45–49	0	0	0	0	0	2	2	2	4	4	
+5-49 50-54		2	1	2	1	2	1	∠ 1			
50–54 55–59	0 1	1	1	1	2		1	ا ئ	6	5	
55–59 60–64	•	0	0	-	0	3 0	1	2	2	1	
	0		0	0				1	0	1	
65–69	0	0	0	0	0	0	0	1	1	0	
70–74	0	0	0	1	0	0	1	0	0	0	
≥75	0	1	0	0	0	0	0	0	0	0	
Region of residence ^b											
Northeast	1	0	0	1	1	0	0	1	0	0	
Midwest	1	2	0	2	6	1	9	3	8	8	
South	2	5	2	2	3	7	4	5	6	13	
West	3	1	1	5	1	7	11	10	12	11	
Total	7	8	2	10	11	15	24	18	26	31	
	Asian										
Age at diagnosis (yr)											
13–14	0	0	0	0	0	0	0	0	0	0	
15–19	0	1	1	0	0	0	1	1	1	0	
20–24	5	1	1	4	3	6	5	1	8	7	
25–29	1	2	2	4	1	15	8	9	8	18	
30–34	7	2	3	1	3	15	16	12	9	12	
35–39	6	1	3	6	3	10	16	14	10	14	
40–44	9	5	3	6	6	11	7	1	19	13	
45–49	6	4	3	2	2	8	15	6	4	6	
50–54	4	5	4	5	6	9	4	9	10	11	
55–59	2	3	2	3	4	8	8	6	3	7	
60–64	6	3	2	3	6	5	6	6	5	2	
65–69	3	0	5	4	0	4	3	2	4	3	
70–74	1	1	1	0	0	2	0	2	2	0	
≥75	1	2	0	0	1	0	0	0	1	3	
Region of residence ^b											
Northeast	13	13	4	9	6	26	11	10	12	22	
Midwest	2	1	3	3	3	5	10	9	9	7	
South	21	11	12	17	14	27	28	18	32	24	
	17	6	10	8	12					42	
West	17	n	111	×	17	35	39	31	29	۱.)	

Table 7a. Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States (cont)

	Male sex at birth					Female sex at birth					
	2040	2040	2020 (COVID-19	2024	2022	2040	2040	2020 (COVID-19	2024	2022	
	2018	2019	pandemic) ^a	2021 No.	2022	2018	2019	pandemic) ^a	2021 No.	2022	
-	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
A					Black/Africa	an American					
Age at diagnosis (yr) 13-14	1	٥	0	0	0	2	3	2	_	0	
15–14 15–19	1 28	0 25	0	0	0 23	3 129	96	2 78	5 97	2 86	
20–24			18	18							
25–29	105	116	85	98	104	389	373	279	328	351 444	
30–34	217	172	145	167	158	473	438	367	406		
	225	187	152	197	215	459	450	390	446	474	
35–39	211	175	142	191	204	440	409	310	409	414	
40–44	166	156	138	161	181	411	367	279	357	343	
45–49	168	188	115	141	157	357	326	272	316	300	
50–54	195	166	105	132	139	315	311	214	254	290	
55–59	162	152	126	145	130	297	272	196	240	198	
60–64	98	126	86	126	110	165	186	130	149	157	
65–69	49	67	51	52	51	68	84	55	81	81	
70–74	31	28	25	29	26	36	43	14	25	30	
≥75	27	26	12	20	21	21	24	16	11	12	
Region of residence ^b											
Northeast	251	247	177	245	210	540	512	402	474	417	
Midwest	200	187	133	148	169	476	473	366	410	443	
South	1,158	1,085	842	1,018	1,072	2,280	2,154	1,639	2,014	2,068	
West	72	65	47	66	66	267	243	194	225	254	
Total	1,682	1,584	1,199	1,477	1,518	3,563	3,382	2,600	3,123	3,181	
	Hispanic/Latino ^c										
Age at diagnosis (yr)											
13–14	0	0	0	1	0	4	4	0	1	2	
15–19	7	10	2	3	6	30	33	33	37	28	
20–24	28	27	31	30	32	98	113	97	99	122	
25–29	60	72	48	66	67	134	146	102	143	188	
30–34	87	67	48	63	93	125	141	102	131	190	
35–39	81	74	62	72	89	142	113	110	145	164	
40–44	69	71	42	76	79	106	112	91	116	150	
45–49	77	56	40	45	61	104	93	70	105	122	
50–54	60	53	48	48	49	106	88	71	82	74	
55–59	45	40	28	41	38	69	62	52	68	74 79	
60–64	24	31	22	28	39	42	47	33	37	42	
65–69	2 4 15	11			10	21					
			9	14			25 10	13	21	20	
70–74 >75	12	5	5 5	9	10	10 10	10	6	6	13	
≥75	4	5	Э	5	6	10	3	3	4	8	
Region of residence ^b	40-		* =	40-	400	2/-	25-		212	a= .	
Northeast	137	113	85	126	133	249	228	193	218	254	
Midwest	33	34	20	28	53	57	75	51	68	85	
South	310	286	218	251	309	452	438	355	451	561	
West	91	87	66	96	82	243	248	184	257	303	
Total	570	520	388	502	578	1,001	989	782	993	1,203	

Table 7a. Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States (cont)

			Male sex at birth			Female sex at birth							
			2020					2020					
	2018	2019	(COVID-19 pandemic) ^a	2021	2022	2018	2019	(COVID-19 pandemic) ^a	2021	2022			
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.			
						her Pacific Isla							
Age at diagnosis (yr)													
13–14	0	0	0	0	0	0	0	0	0	0			
15–19	0	0	0	1	0	1	1	1	0	0			
20–24	0	0	0	0	0	0	0	1	1	1			
25–29	0	1	0	0	0	0	1	2	0	0			
30–34	1	0	1	0	2	2	0	0	1	2			
35–39	0	0	1	0	0	0	2	1	0	1			
40–44	0	0	0	0	0	0	0	1	2	1			
45–49	0	0	0	0	0	0	0	1	0	1			
50–54	0	0	0	0	1	1	1	1	1	0			
55–59	0	0	0	1	0	0	0	2	0	1			
60–64	0	0	0	0	0	0	0	2	0	0			
65–69	0	0	0	0	0	0	0	0	0	0			
70–74	0	0	0	0	1	0	0	0	0	0			
≥75	0	0	0	0	1	0	0	0	0	0			
Region of residence ^b													
Northeast	0	0	0	0	0	1	0	0	1	0			
Midwest	0	0	0	0	1	0	3	0	0	2			
South	1	0	0	1	2	0	1	4	1	1			
West	0	1	2	1	2	3	1	7	3	3			
Total	1	1	2	2	5	4	5	11	5	6			
					Wi	nite							
Age at diagnosis (yr)													
13–14	0	0	0	0	0	1	0	0	1	1			
15–19	3	3	1	4	1	32	30	20	32	21			
20–24	19	18	14	18	8	89	89	91	77	90			
25–29	46	49	30	43	42	118	125	110	92	135			
30–34	54	37	39	42	53	120	119	110	144	139			
35–39	51	41	37	48	46	110	118	102	128	150			
40–44	39	43	33	44	45	101	90	87	128	146			
45–49	52	50	43	37	44	106	104	99	96	106			
50–54	43	49	39	44	49	88	89	67	87	103			
55–59	50	48	41	36	49	70	84	75 00	86	87			
60–64	39 16	30 16	27	31	34	36	46 46	29	40	55 26			
65–69	16 10	16	17	16 12	19	13	16	17	20	26			
70–74 ≥75	10 3	7 5	8 6	12 4	9 8	7 4	3 3	6 4	9 6	9 8			
	3	ð	O	4	0	4	S	4	O	0			
Region of residence ^b	70		00	00	C.F.	404	407	04	00	444			
Northeast	76	62 60	66 53	60 40	65 55	104	107	94	93	111			
Midwest	56	60 208	53 176	49 216	55 245	162	178 469	141 401	184	219			
South	231	208	176	216	245	472 157	468 163	401 178	499 170	545 201			
West	63 426	66 206	41 226	54 270	42 407	157	163	178	170	201			
Total	426	396	336	379	407	895	915	815	946	1,075			

Table 7a. Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States (cont)

			Male sex at birth]		Female sex at birth							
	2018	2019	2020 (COVID-19 pandemic) ^a	2021	2022	2018	2019	2020 (COVID-19 pandemic) ^a	2021	2022			
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.			
	1101	1101	1101	1101		iracial	1101	1101	1101	1101			
Age at diagnosis (yr)					Mult	iraciai							
13–14	0	0	0	0	0	0	1	0	0	0			
15–19	2	1	1	1	0	16	11	9	6	9			
20–24	5	5	4	2	9	28	28	25	23	18			
25–29	11	9	2	5	3	45	43	33	29	33			
30–34	14	12	7	9	6	40	31	23	33	21			
35–39	7	9	5	8	5	35	29	22	33	22			
40–44	5	12	6	8	8	18	25	14	19	29			
45–49	7	11	9	5	1	29	27	18	14	12			
50–54	11	10	5	8	4	16	23	11	17	17			
55–59	6	10	4	8	6	9	6	11	14	11			
60–64	3	4	2	5	4	14	11	13	9	6			
65–69	2	3	1	1	3	6	6	3	5	5			
70–74	1	3	1	1	2	3	2	3	1	1			
≥75	1	1	0	1	0	1	0	1	0	1			
Region of residence ^b	•	•	ŭ	•	v		v	·	Ů	•			
Northeast	26	24	9	11	17	47	46	28	32	29			
Midwest	10	2 4 14	7	12	8	34	35	33	24	25 25			
South	34	45	27	35	24	141	124	105	122	105			
West	4	43 6	4	4	24	37	37	20	26	25			
Total	74	89	47	63	51	260	242	186	204	184			
					To	otal							
Age at diagnosis (yr)													
13–14	1	0	0	1	0	8	8	2	7	5			
15–19	42	40	23	28	30	209	173	141	173	145			
20–24	162	168	135	152	157	610	609	493	536	592			
25–29	336	304	226	289	272	786	763	624	682	824			
30–34	389	307	249	315	375	762	761	640	767	842			
35–39	357	300	250	324	347	738	693	562	729	768			
40–44	288	288	222	294	321	650	606	476	643	684			
45–49	311	307	210	229	265	605	566	467	538	550			
50–54	314	284	201	240	249	536	517	373	457	500			
55–59	267	254	200	235	228	456	432	344	411	383			
60–64	170	195	139	193	192	263	296	214	240	263			
65–69	86	97	83	88	84	112	133	91	132	134			
70–74	54	44	41	52	48	58	59	30	43	53			
≥75	36	40	24	31	37	35	30	23	22	32			
Region of residence ^b													
Northeast	504	458	342	453	432	967	905	728	830	832			
Midwest	302	298	215	242	297	735	782	602	703	788			
South	1,758	1,640	1,277	1,541	1,669	3,378	3,217	2,526	3,125	3,316			
West	249	233	170	235	206	749	741	624	721	839			
Total	2,813	2,628	2,004	2,471	2,605	5,830	5,644	4,479	5,380	5,775			

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. Persons whose transmission category is classified as heterosexual contact include transgender and additional gender identity persons. Includes persons who have ever had heterosexual contact with a person known to have, or with a risk factor for, HIV infection (e.g., a person who injects drugs). Excludes men who have ever had sexual contact with both men and women.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

^c Hispanic/Latino persons can be of any race.

Table 7b. Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

			Male sex at birth			Female sex at birth						
	0040	0040	2020 (COVID-19	0004	0000	2042	2042	2020 (COVID-19	0004	2022		
	2018 No.	2019	pandemic) ^a	2021	2022 No.	2018 No.	2019 No.	pandemic) ^a	2021 No.	2022		
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.		
Age at diagnosis (yr)				P	merican India	ın/Alaska Nativ	/e					
13–14	0	0	0	0	0	0	0	0	0	0		
15–14	1	0	0	0	0	1	0	0	0	0		
20–24	1	1	0	0	1	1	2	0	0	3		
25–29	1	0	0	4	1	1	2	1	3	6		
30–34	1	1	0	2	2	1	4	4	5	5		
35–39	1	0	0	0	1	2	6	4	4	4		
40 <u>–</u> 44	0	2	Ö	0	2	3	5	4	3	2		
45–49	0	0	Ö	0	0	2	2	2	4	4		
50–54	0	2	1	2	1	2	1	1	6	5		
55–59	1	1	0	1	2	3	1	2	2	1		
60–64	0	0	0	0	0	0	1	1	0	1		
65–69	0	0	ő	0	0	Ö	0	1	1	0		
70–74	0	0	ő	1	0	Ö	1	0	Ö	0		
≥75	0	1	0	0	0	0	0	Ő	0	0		
Region of residence ^b	Ū	•	v	Ū	Ü	Ü	Ū	v	Ū	Ū		
Northeast	1	0	0	1	1	0	0	1	0	0		
	1	2	0	2	6	1	9			8		
Midwest South	2	5	2	2	3	7	9 4	3 5	8 6	0 13		
	3	1	1	5	3 1	7	11	10	12	11		
West U.S. territories and freely	0	0	0	0	0	0	0	0	0			
associated states	U	U	U	U	U	U	U	U	U	0		
Total	7	8	2	10	11	15	24	18	26	31		
					As	ian						
Age at diagnosis (yr)												
13–14	0	0	0	0	0	0	0	0	0	0		
15–19	0	1	1	0	0	0	1	1	1	0		
20–24	5	1	1	4	3	6	5	1	8	7		
25–29	1	2	2	4	1	15	8	9	8	18		
30–34	7	2	3	1	3	15	16	12	9	12		
35–39	6	1	3	6	3	10	16	14	10	14		
40–44	10	5	3	6	6	11	7	1	19	13		
45–49	6	4	3	2	2	8	15	6	4	6		
50–54	4	6	4	5	6	9	4	9	10	11		
55–59	2	3	2	3	4	8	8	6	3	7		
60–64	6	3	2	3	6	5	6	6	5	2		
65–69	3	0	5	4	0	4	3	2	4	3		
70–74	1	1	1	0	0	2	0	2	2	0		
≥75	1	2	0	0	1	0	0	0	1	3		
Region of residence ^b												
Northeast	13	13	4	9	6	26	11	10	12	22		
Midwest	2	1	3	3	3	5	10	9	9	7		
South	21	11	12	17	14	27	28	18	32	24		
West	17	6	10	8	12	35	39	31	29	42		
U.S. territories and freely	0	0	0	0	0	0	0	0	0	0		
associated states												
Total	54	32	28	37	36	92	87	67	83	95		

Table 7b. Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Male sex at birth			Female sex at birth							
_	2040	2040	2020 (COVID-19	2024	2022	2049	2040	2020 (COVID-19	2024	2022			
	2018 No.	2019 No.	pandemic) ^a No.	2021 No.	2022 No.	2018 No.	2019 No.	pandemic) ^a No.	2021 No.	2022 No.			
	NO.	NO.	NO.	NO.			NO.	NO.	NO.	NO.			
Age at diagnosis (yr)					Black/Africa	an American							
13–14	1	0	0	0	0	3	3	2	5	2			
15–19	28	25	18	18	23	129	96	78	97	86			
20–24	105	116	85	98	104	389	373	279	328	351			
25–29	218	172	145	167	158	473	438	367	406	444			
30–34	225	187	153	198	215	459	450	390	446	474			
35–39	211	175	142	191	204	440	410	310	409	414			
40–44	166	156	138	161	181	411	367	279	357	343			
45-49	169	188	115	141	157	357	326	272	316	300			
50-54	195	166	105	132	139	315	312	214	254	290			
55–59	164	152	126	145	130	297	272	197	240	198			
60–64	98	126	86	127	110	165	186	130	149	157			
65–69	49	67	51	52	51	68	84	55	81	81			
70–74	31	28	26	29	26	36	44	14	25	30			
≥75	27	26	12	20	21	21	24	16	11	12			
Region of residence ^b													
Northeast	251	247	177	245	210	540	512	402	474	417			
Midwest	200	187	133	148	169	476	473	366	410	443			
South	1,158	1,085	842	1,018	1,072	2,280	2,154	1,639	2,014	2,068			
West	72	65	47	66	66	267	243	194	225	254			
U.S. territories and freely associated states	4	0	2	1	1	1	3	1	0	1			
Total	1,686	1,584	1,201	1,479	1,519	3,564	3,385	2,601	3,123	3,182			
					Hispani	c/Latino ^c							
Age at diagnosis (yr)													
13–14	0	0	0	1	0	4	4	0	1	2			
15–19	8	10	2	5	6	32	33	33	39	30			
20-24	30	30	35	31	33	106	117	102	108	126			
25–29	68	74	51	68	71	142	151	106	146	195			
30–34	95	73	49	67	101	130	150	105	135	195			
35–39	86	78	67	76	96	146	117	113	159	170			
40–44	72	77	45	82	85	115	124	96	129	153			
45–49	81	66	43	53	69	118	102	73	112	133			
50–54	72	57	52	60	54	117	93	76	92	80			
55–59	49	50	37	46	42	77	72	59	72	83			
60–64	27	39	27	33	42	47	52	36	45	45			
65–69	20	16	10	21	15	24	30	16	26	25			
70–74	15	10	6	13	11	12	14	8	9	14			
≥75	6	6	5	7	6	11	3	3	5	9			
Region of residence ^b													
Northeast	137	113	85	126	133	249	228	193	218	254			
Midwest	33	34	20	28	53	57	75	51	68	85			
South	310	286	218	251	309	452	438	355	451	561			
West	91	87	66	96	82	243	248	184	257	303			
	00	6.4	42	62	52	80	72	44	84	58			
U.S. territories and freely associated states	60	64	42	02	52	00	12	44	04	50			

Table 7b. Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Male sex at birth			Female sex at birth						
-			2020					2020				
			(COVID-19					(COVID-19				
	2018	2019	pandemic) ^a	2021	2022	2018	2019	pandemic) ^a	2021	2022		
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.		
				Nativ	e Hawaiian/otl	her Pacific Isla	ander					
Age at diagnosis (yr)	0	•	0	0	•	•	0	•	•	•		
13–14	0	0	0	0	0	0	0	0	0	0		
15–19	0	0	0	1	0	1	1	1	0	0		
20–24	0	0	0	0	0	0	1	1	1	1		
25–29	0	1	0	0	0	0	1	2	0	0		
30–34	1	0	1	0	2	2	0	0	1	2		
35–39	0	0	1	0	0	0	2	1	0	1		
10–44	0	0	0	0	0	0	0	1	2	1		
5-49	0	0	0	0	0	0	0	1	0	1		
50-54	0	0	0	0	1	1	1	1	1	0		
5–59	0	0	0	1	0	0	0	2	0	1		
60–64	0	0	0	0	0	0	0	2	0	0		
65–69	0	0	0	0	0	0	0	0	0	0		
'0–74	0	0	0	Ö	1	Ö	Ö	0	0	0		
≥75	0	0	0	0	1	0	0	0	0	0		
	O	U	· ·	U	'	Ū	U	O	V	U		
Region of residence ^b	•	•	•	^	^	4	0	^	4	•		
Northeast	0	0	0	0	0	1	0	0	1	0		
Midwest	0	0	0	0	1	0	3	0	0	2		
South	1	0	0	1	2	0	1	4	1	1		
Vest	0	1	2	1	2	3	1	7	3	3		
J.S. territories and freely	1	0	0	0	0	0	1	0	0	0		
associated states												
Total	2	1	2	2	5	4	6	11	5	6		
					Wh	ite						
Age at diagnosis (yr)												
13–14	0	0	0	0	0	1	0	0	1	1		
15–19	3	3	1	4	1	32	30	20	32	21		
20–24	19	18	14	18	8	89	89	91	77	91		
25–29	46	49	30	43	43	118	125	110	92	135		
30–34	54	37	39	43	53	120	119	110	144	139		
35–39	51	41	37	48	46	110	118	102	128	150		
10–44	39	43	33	44	45	101	90	87	128	146		
15–49	52		43	37	44	106	104	99	96	106		
50–54	43	51 49	39	44	49	88	89	67	87	103		
55–59	50					70						
		48	41	36	49		84	75 00	86	87		
60–64	39	30	27	31	34	36	46 46	29	40	55		
65–69	16	16	17	16	20	13	16	17	20	26		
70–74	10	7	8	12	9	7	3	6	9	9		
≥75	3	5	6	4	8	4	3	4	6	8		
Region of residence ^b												
Northeast	76	62	66	60	65	104	107	94	93	111		
Midwest	56	60	53	49	55	162	178	141	184	219		
South	231	208	176	216	245	472	468	401	499	545		
Vest	63	66	41	54	42	157	163	178	170	201		
	0	1	Ω	1	1	0	()	Ο	0	1		
J.S. territories and freely associated states	0	1	0	1	1	0	0	0	0	1		

Table 7b. Diagnoses of HIV infection attributed to heterosexual contact, by year of diagnosis, sex assigned at birth, race/ethnicity, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Male sex at birth	<u> </u>		Female sex at birth							
-			2020					2020					
	2018	2019	(COVID-19 pandemic) ^a	2021	2022	2018	2019	(COVID-19 pandemic) ^a	2021	2022			
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.			
					Multi	racial							
Age at diagnosis (yr)													
13–14	0	0	0	0	0	0	1	0	0	0			
15–19	2	1	1	1	0	16	11	9	6	9			
20–24	5	5	4	2	9	28	28	25	23	18			
25–29	11	9	2	5	3	45	43	33	29	33			
30–34	14	12	7	9	6	40	31	23	33	21			
35–39	8	9	5	8	5	35	29	22	33	22			
40–44	5	12	6	8	8	18	25	14	19	29			
45–49	7	11	9	5	1	29	27	18	14	12			
50-54	11	10	5	8	4	16	23	11	17	17			
55–59	6	10	4	8	6	9	6	11	14	11			
60–64	3	4	2	5	4	14	11	13	9	6			
65–69	2	3	1	1	3	6	6	3	5	5			
70–74	1	3	1	1	2	3	2	3	1	1			
≥75	1	1	0	1	0	1	0	1	0	1			
Region of residence ^b													
Northeast	26	24	9	11	17	47	46	28	32	29			
Midwest	10	14	7	12	8	34	35	33	24	25			
South	34	45	27	35	24	141	124	105	122	105			
West	4	6	4	4	2	37	37	20	26	25			
U.S. territories and freely associated states	1	0	0	0	0	0	0	0	0	0			
Total	75	89	47	63	51	260	242	186	204	184			
					To	otal							
Age at diagnosis (yr)													
13–14	1	0	0	1	0	8	8	2	7	5			
15–19	43	40	23	30	30	211	173	141	175	147			
20–24	164	171	139	153	158	618	614	498	546	597			
25-29	345	306	229	291	277	794	768	628	685	831			
30–34	397	313	251	320	382	767	770	643	771	848			
35–39	364	304	255	329	354	742	698	565	743	774			
40-44	292	295	225	301	327	659	618	481	656	687			
45-49	315	318	213	237	273	619	575	471	545	561			
50-54	326	288	206	251	254	547	523	378	467	506			
55-59	273	264	209	240	233	464	442	351	415	387			
60–64	173	203	145	199	195	268	301	217	248	266			
65-69	92	102	84	94	89	116	138	94	137	139			
70–74	57	49	42	56	49	60	64	32	46	54			
≥75	38	41	24	33	38	36	30	23	23	33			
Region of residenceb													
Northeast	504	458	342	453	432	967	905	728	830	832			
Midwest	302	298	215	242	297	735	782	602	703	788			
South	1,758	1,640	1,277	1,541	1,669	3,378	3,217	2,526	3,125	3,316			
West	249	233	170	235	206	749	741	624	721	839			
U.S. territories and freely associated states	66	66	43	64	55	81	76	45	84	60			
Total	2,879	2,694	2,047	2,535	2,660	5,910	5,720	4,523	5,464	5,835			

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. 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. Persons whose transmission category is classified as heterosexual contact include transgender and additional gender identity persons. Includes persons who have ever had heterosexual contact with a person known to have, or with a risk factor for, HIV infection (e.g., a person who injects drugs). Excludes men who have ever had sexual contact with both men and women.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

 $^{^{\}mbox{\scriptsize C}}$ Hispanic/Latino persons can be of any race.

Table 8a. Diagnoses of HIV infection among persons aged 13–24 years, by age at diagnosis, sex assigned at birth, and selected characteristics, 2022— United States

	13–14	4 years	15–17	years	18–19	years	20–22	years	23–24	years	To	otal
	No.	Ratea	No.	Ratea	No.	Ratea	No.	Ratea	No.	Ratea	No.	Ratea
Sex at birth												
Male	13	0.3	248	3.7	932	21.1	2,751	39.0	2,238	49.2	6,182	22.8
Female	9	0.2	62	1.0	108	2.6	389	5.7	299	6.9	867	3.4
Race/ethnicity												
American Indian/Alaska Native	0	0.0	1	0.9	2	2.9	12	10.6	19	25.9	34	7.8
Asian	0	0.0	6	0.9	12	2.5	46	5.9	53	10.1	117	4.0
Black/African American	11	0.9	172	9.7	579	50.2	1,620	84.5	1,173	94.4	3,555	48.7
Hispanic/Latino ^b	7	0.3	93	2.8	282	13.3	943	28.5	799	39.1	2,124	16.3
Native Hawaiian/other Pacific Islander	0	0.0	0	0.0	1	5.7	7	25.7	7	39.6	15	14.0
White	1	0.0	25	0.4	124	2.8	413	5.7	416	8.9	979	3.6
Multiracial	3	8.0	13	2.5	40	12.5	99	20.8	70	24.2	225	11.3
Transmission category ^c												
Male sex at birth ^d												
Male-to-male sexual contacte	10	_	233	_	882	_	2,556		2,052	_	5,732	_
Injection drug use ^f	0	_	1	_	7	_	35	_	43	_	86	_
Male-to-male sexual contact ^e and injection drug use ^f	0	_	4	_	16	_	69	_	70	_	159	_
Heterosexual contact ^g	0	_	6	_	24	_	87	_	71	_	187	_
Perinatal ^h	3	_	4	_	2	_	4	_	3	_	16	_
Other ⁱ	0	_	0	_	1	_	1	_	0	_	2	_
Subtotal	13	0.3	248	3.7	932	21.1	2,751	39.0	2,238	49.2	6,182	22.8
Female sex at birth ^d												
Injection drug use ^f	1		5	_	8	_	46	_	34	_	95	_
Heterosexual contact ^g	5	_	50	_	95	_	332	_	260	_	742	_
Perinatal ^h	4	_	7	_	5	_	11	_	4	_	30	_
Other ⁱ	0	_	0	_	0	_	0	_	0	_	0	_
Subtotal	9	0.2	62	1.0	108	2.6	389	5.7	299	6.9	867	3.4
Region of residence ^j												
Northeast	7	0.5	31	1.5	106	7.0	338	14.6	332	23.1	814	9.4
Midwest	3	0.2	53	1.9	136	7.6	417	14.3	383	20.9	992	8.9
South	8	0.2	169	3.3	643	19.4	1,835	34.3	1,348	39.1	4,003	19.4
West	4	0.2	57	1.8	155	7.7	550	17.0	474	22.0	1,240	9.9
Total	22	0.3	310	2.4	1,040	12.1	3,140	22.7	2,537	28.6	7,049	13.3

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 Hispanic/Latino persons can be of any race.

^c Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^d Data include transgender and additional gender identity persons.

e Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

f Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

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

^h Persons were aged ≥13 years at time of diagnosis of HIV infection.

¹ Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

j Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

Table 8b. Diagnoses of HIV infection among persons aged 13–24 years, by age at diagnosis, sex assigned at birth, and selected characteristics, 2022— United States and 6 territories and freely associated states

	13-14 years	15-17 years	18-19 years	20-22 years	23-24 years	Total
	No.	No.	No.	No.	No.	No.
Sex at birth						
Male	13	251	937	2,765	2,258	6,224
Female	9	62	110	392	302	875
Race/ethnicity						
American Indian/Alaska Native	0	1	2	12	19	34
Asian	0	6	12	46	53	117
Black/African American	11	172	579	1,620	1,173	3,555
Hispanic/Latino ^a	7	96	289	960	821	2,173
Native Hawaiian/other Pacific Islander	0	0	1	7	7	15
White	1	25	124	413	417	980
Multiracial	3	13	40	99	70	225
Transmission category ^b						
Male sex at birth ^c						
Male-to-male sexual contact ^d	10	236	887	2,569	2,072	5,773
Injection drug use ^e	0	1	7	35	43	86
Male-to-male sexual contact ^d and	0	4	16	69	70	159
injection drug use ^e						
Heterosexual contact ^f	0	6	24	88	71	189
Perinatal ⁹	3	4	2	4	3	16
Other ^h	0	0	1	1	0	2
Subtotal	13	251	937	2,765	2,258	6,224
Female sex at birth ^c						
Injection drug use ^e	1	5	8	47	35	95
Heterosexual contact ^f	5	50	97	334	263	749
Perinatal ^g	4	7	5	11	5	31
Other ^h	0	0	0	0	0	0
Subtotal	9	62	110	392	302	875
Region of residence						
Northeast	7	31	106	338	332	814
Midwest	3	53	136	417	383	992
South	8	169	643	1,835	1,348	4,003
West	4	57	155	550	474	1,240
U.S. territories and freely associated states	0	3	7	17	23	50
Total	22	313	1,047	3,157	2,560	7,099

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Hispanic/Latino persons can be of any race.

b Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^C Data include transgender and additional gender identity persons.

d Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

e Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

f Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

 $^{^{\}rm g}$ Persons were aged \geq 13 years at time of diagnosis of HIV infection.

^h Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at time of diagnosis of HIV infection.

Table 9a. Diagnoses of HIV infection among children aged <13 years, by year of diagnosis and race/ethnicity, 2018–2022—United States

	2	018	2	019		COVID-19 lemic) ^a	2	021	2	022
Race/ethnicity	No.	Rateb	No.	Rateb	No.	Rate ^b	No.	Rateb	No.	Rate ^b
American Indian/Alaska Native	0	0.0	1	0.2	1	0.2	0	0.0	2	0.5
Asian	7	0.2	6	0.2	2	0.1	2	0.1	1	0.0
Black/African American	47	0.7	31	0.4	33	0.5	31	0.4	36	0.5
Hispanic/Latino ^c	10	0.1	8	0.1	9	0.1	12	0.1	10	0.1
Native Hawaiian/other Pacific Islander	0	0.0	0	0.0	1	0.9	0	0.0	0	0.0
White	15	0.1	7	0.0	12	0.0	6	0.0	8	0.0
Multiracial	6	0.2	5	0.2	0	0.0	2	0.1	5	0.2
Total	85	0.2	58	0.1	58	0.1	53	0.1	62	0.1

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

Table 9b. Diagnoses of HIV infection among children aged <13 years, by year of diagnosis and race/ethnicity, 2018–2022—United States and 6 territories and freely associated states

	2018	2019	2020 (COVID-19 pandemic) ^a	2021	2022
Race/ethnicity	No.	No.	No.	No.	No.
American Indian/Alaska Native	0	1	1	0	2
Asian	7	6	2	2	1
Black/African American	47	31	33	31	36
Hispanic/Latino ^b	10	8	9	12	10
Native Hawaiian/other Pacific Islander	0	0	1	0	0
Vhite	15	7	12	6	8
Multiracial	6	5	0	2	5
Total	85	58	58	53	62

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Numbers less than 12, and trends based on these numbers, should be interpreted with caution.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b Rates are per 100,000 population.

^C Hispanic/Latino persons can be of any race.

a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

^b Hispanic/Latino persons can be of any race.

Vol. 35

Table 10a. Diagnoses of HIV infection among Hispanic/Latino persons aged ≥13 years, by transmission category and place of birth, 2022—United States and 6 territories and freely associated states

											Carib	bean ^a								
		l States		America ^b	Ame	ntral erica ^c		xico		to Rico		uba		ther		ther		nown		otal
Transmission category ⁰	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No. ^e	%
Male sex at birth ^f																				
Male-to-male sexual contact ^g	2,788	85.6	896	90.3	616	86.1	1,016	89.8	280	76.3	420	89.5	127	72.2	63	90.4	3,168	89.3	9,374	87.4
Injection drug useh	144	4.4	12	1.3	16	2.2	19	1.7	28	7.5	4	0.7	7	3.7	2	2.1	129	3.6	359	3.3
Male-to-male sexual contact ^g and injection drug use ^h	155	4.8	12	1.2	16	2.2	27	2.4	6	1.5	3	0.6	5	2.7	0	0.0	133	3.8	356	3.3
Heterosexual contacti	167	5.1	72	7.2	66	9.3	69	6.1	53	14.5	43	9.1	38	21.4	5	7.4	117	3.3	630	5.9
Perinatal ^j	1	0.0	0	0.0	1	0.2	0	0.0	0	0.1	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0
Other ^k	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1	3	0.0
Subtotal	3,255	100	992	100	715	100	1,132	100	367	100	469	100	176	100	70	100	3,549	100	10,725	100
Female sex at birth ^f																				
Injection drug useh	77	18.0	4	3.8	5	5.3	5	4.5	9	12.6	2	3.1	3.0	4.7	0	2.4	68	13.9	174	12.1
Heterosexual contacti	351	81.7	106	94.4	81	94.5	104	94.3	63	86.4	48	96.9	68.0	94.2	17	97.1	424	86.0	1,261	87.4
Perinatal ^j	2	0.3	2	1.9	0	0.1	1	1.1	1	1.0	0	0.0	1.0	1.1	0	0.6	1	0.1	7	0.5
Other ^k	0	0.0	0	0.0	0	0.0	0	0.1	0	0.0	0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0
Subtotal	430	100	112	100	86	100	110	100	73	100	49	100	72	100	17	100	493	100	1,442	100
Total	3,685	100	1,104	100	801	100	1,242	100	440	100	518	100	248	100	87	100	4,042	100	12,167	100

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Numbers less than 12, and percentages based on these numbers, should be interpreted with caution.

Hispanic/Latino persons can be of any race.

^a Countries include Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Cayman Islands, Cuba, Dominica, Dominican Republic, Grenada, Haiti, Jamaica, Montserrat, Puerto Rico, Saint Barthélemy, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, Turks and Caicos Islands, Virgin Islands (British), and Virgin Islands (U.S).

b Countries include Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Uruguay, and Venezuela.

^c Countries include Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama.

d Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^e Total includes persons whose place of birth is not among those listed and persons whose place of birth is unknown.

f Data include transgender and additional gender identity persons.

g Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

h Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

i Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

j Persons were aged ≥13 years at time of diagnosis of HIV infection.

k Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Table 10b. Diagnoses of HIV infection among transgender and additional gender identity Hispanic/Latino persons aged ≥13 years, by place of birth and exposure category, 2022— United States and 6 territories and freely associated states

											Caril	bbean ^a								
	United	d States	South	America ^b	Central	America ^c	Me	exico	Puer	to Rico	С	uba	0	ther	Otl	her	Unk	nown	To	otal
Exposure category ^d	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No. ^e	%
Transgender woman ^f																				
Sexual contact ^g	104	91.2	20	100	33	86.8	48	92.3	7	87.5	4	100	5	100	0	0.0	93	91.2	314	91.5
Injection drug useh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sexual contact ^g and injection drug use ^h	7	6.1	0	0.0	3	7.9	4	7.7	1	12.5	0	0.0	0	0.0	0	0.0	4	3.9	19	5.5
Other ⁱ	3	2.6	0	0.0	2	5.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	4.9	10	2.9
Subtotal	114	100	20	100	38	100	52	100	8	100	4	100	5	100	0	0.0	102	100	343	100
Transgender man ^f																				
Sexual contact ^g	7	100	1	100	1	100	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	100	15	100
Injection drug useh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sexual contact ^g and injection drug use ^h	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other ⁱ	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Subtotal	7	100	1	100	1	100	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	100	15	100
Additional gender ider	ntitv ^j																			
Sexual contact ^g	11	91.7	1	100	2	100	1	100	0	0.0	0	0.0	1	100	0	0.0	4	100	20	95.2
Injection drug useh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sexual contact ^g and injection drug use ^h	1	8.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.8
Other ⁱ	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Subtotal	12	100	1	100	2	100	1	100	0	0.0	0	0.0	1	100	0	0.0	4	100	21	100
Total	133	100	22	100	41	100	53	100	8	100	4	100	6	100	0	0.0	112	100	379	100

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Numbers less than 12, and percentages based on these numbers, should be interpreted with caution.

Hispanic/Latino persons can be of any race.

^a Countries include Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Cayman Islands, Cuba, Dominica, Dominican Republic, Grenada, Haiti, Jamaica, Montserrat, Puerto Rico, Saint Barthélemy, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, Turks and Caicos Islands, Virgin Islands (British), and Virgin Islands (U.S).

b Countries include Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Uruguay, and Venezuela.

^c Countries include Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama.

d Risk factor data for transgender and additional gender identity persons aged ≥13 years are presented using the exposure category classification, which is meant to convey all the known ways the person could have been exposed to HIV. Exposure categories are mutually exclusive and have no presumed hierarchical order of probability, except for rare circumstances where route of transmission has been confirmed through investigation. See Technical Notes for more information on exposure categories.

^e Total includes persons whose place of birth is not among those listed and persons whose place of birth is unknown.

f "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

g For persons assigned male sex at birth, sexual contact with any person. For persons assigned female sex at birth, sexual contact with a person assigned male sex at birth.

h Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Additional gender identity examples include "nonbinary," "gender gueer," and "two-spirit,"

Table 11a. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States

			Total				HIV-ı	related			Non-HI\	/-related	
		Deaths with I	nown cause	Rate per	Rate per 1,000	Deaths with I	known cause I to HIV	Rate per	Rate per	Deaths with k		Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	1,000 PWDH ^a	No.	%	100,000 pop	PWDH ^a
							2018						
Gender													
Man	12,090	11,532	95.4	_	15.5	3,778	32.8	_	4.9	7,754	67.2	_	10.0
Woman	3,976	3,787	95.2	_	16.4	1,292	34.1	_	5.3	2,495	65.9	_	10.3
Transgender woman/girl ^b	121	116	95.9	_	10.1	45	38.8	_	3.7	71	61.2	_	5.9
Transgender man/boyb	5	5	100	_	10.5	1	20.0	_	2.1	4	80.0	_	8.4
Additional gender identity ^c	1	1	100	_	3.4	0	0.0	0.0	0.0	1	100	_	3.4
Age at diagnosis (yr)													
<13	1	1	100	0.0	0.5	1	100	0.0	0.5	0	0.0	0.0	0.0
13–14	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
15–19	9	9	100	0.0	1.4	3	33.3	0.0	0.5	6	66.7	0.0	1.0
20–24	121	116	95.9	0.6	3.5	55	47.4	0.3	1.6	61	52.6	0.3	1.8
25–29	419	402	95.9	1.8	5.4	183	45.5	0.8	2.3	219	54.5	0.9	2.8
30–34	615	585	95.1	2.8	6.9	273	46.7	1.2	3.1	312	53.3	1.4	3.5
35–39	813	781	96.1	3.8	8.5	346	44.3	1.6	3.6	435	55.7	2.0	4.5
40–44	962	905	94.1	4.9	9.8	371	41.0	1.9	3.8	534	59.0	2.7	5.4
45–49	1,598	1,523	95.3	7.7	12.1	585	38.4	2.8	4.4	938	61.6	4.5	7.1
50-54	2,580	2,463	95.5	12.4	15.7	829	33.7	4.0	5.0	1,634	66.3	7.8	10.0
55–59	2,921	2,801	95.9	13.3	20.1	877	31.3	4.0	6.0	1,924	68.7	8.8	13.3
60–64	2,523	2,408	95.4	12.4	26.2	687	28.5	3.4	7.1	1,721	71.5	8.5	17.8
65–69	1,737	1,653	95.2	10.2	33.1	447	27.0	2.6	8.5	1,206	73.0	7.1	23.0
70–74	961	911	94.8	7.2	42.0	231	25.4	1.7	10.1	680	74.6	5.1	29.7
≥75	933	883	94.6	4.3	64.2	228	25.8	1.0	15.7	655	74.2	3.0	45.0
Race/ethnicity													
American Indian/Alaska Native	49	48	98.0	2.0	17.4	18	37.5	0.7	6.4	30	62.5	1.2	10.6
Asian*d	84	70	83.3	0.4	5.8	26	37.1	0.1	1.8	44	62.9	0.2	3.0
Black/African American	6,985	6,670	95.5	17.1	16.8	2,333	35.0	5.7	5.6	4,337	65.0	10.6	10.4
Hispanic/Latino ^e	2,830	2,672	94.4	4.8	11.9	906	33.9	1.5	3.8	1,766	66.1	3.0	7.4
Native Hawaiian/ other Pacific Islander	13	13	100	2.2	17.2	4	30.8	0.7	5.3	9	69.2	1.5	11.9
White	5,140	4,904	95.4	2.6	17.1	1,472	30.0	0.7	4.9	3,432	70.0	1.7	11.4
Multiracial	1,092	1,064	97.4	15.2	18.1	357	33.6	5.0	5.9	707	66.4	9.8	11.7
Transmission category ^f	.,002	.,	•				00.0	0.0	0.0		••••	0.0	
Male sex at birth (≥13 yr													
at diagnosis) ^g													
Male-to-male sexual contact ^h	6,872	6,525	95.0	_	12.0	2,259	34.6	_	3.9	4,266	65.4	_	7.4
Injection drug use ⁱ	2,166	2,095	96.7	_	31.5	542	25.9	_	7.9	1,553	74.1	_	22.6
Male-to-male sexual contact ^h and injection drug use ⁱ	1,449	1,399	96.5	_	24.2	453	32.4	_	7.6	946	67.6	_	15.8
Heterosexual contact ^j	1,614	1,526	94.5	_	20.3	525	34.4	_	6.6	1,001	65.6	_	12.6
Perinatal ^k	51	49	95.7	_	10.6	32	65.3	_	6.6	17	34.7	_	3.5
Other ^l	58	54	93.2	_	20.6	12	22.5	_	4.3	42	77.5	_	14.9
Subtotal	12,211	11,648	95.4	9.1	15.5	3,823	32.8	2.9	4.8	7,825	67.2	5.8	9.9
	•	,				,	-	-	-	,		-	

Table 11a. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States (cont)

			Total				HIV-r	elated			Non-HI\	/-related	
		Deaths with I	known cause	Rate per	Rate per 1,000		known cause d to HIV	Rate per	Rate per 1,000	Deaths with k		Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa
							2018 (cont)						
Transmission category (cont)													
Female sex at birth (≥13 yr at diagnosis) ^g													
Injection drug use ⁱ	1,327	1,276	96.1	_	26.5	377	29.6	_	7.5	899	70.4	_	17.9
Heterosexual contact ^j	2,590	2,454	94.7	_	14.1	890	36.3	_	4.8	1,564	63.7	_	8.5
Perinatal ^k	36	35	97.2	_	6.5	17	48.6	_	3.1	18	51.4	_	3.2
Other ^l	28	27	97.5	_	16.9	8	28.5	_	4.7	20	71.5	_	11.8
Subtotal	3,981	3,792	95.3	2.8	16.5	1,292	34.1	0.9	5.4	2,500	65.9	1.8	10.4
Child (<13 yr at diagnosis)	-,	., -				, -				,			
Perinatal	1	1	100	_	0.5	1	100	_	0.5	0	0.0	0.0	0.0
Other ^l	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Subtotal	1	1	100	0.0	0.5	1	100	0.0	0.5	0	0.0	0.0	0.0
	ı	'	100	0.0	0.5	1	100	0.0	0.5	U	0.0	0.0	0.0
Region of residence ^m	0.540	0.400	07.0	0.0	44.0	000	00.4	4.0	0.0	0.540	70.0	4.5	40.0
Northeast	3,518	3,439	97.8	6.3	14.9	896	26.1	1.6	3.8	2,543	73.9	4.5	10.8
Midwest	2,010	1,954	97.2	2.9	16.3	609	31.2	0.9	4.9	1,345	68.8	2.0	10.9
South	7,863	7,470	95.0	6.3	16.8	2,744	36.7	2.2	5.9	4,726	63.3	3.8	10.1
West	2,802	2,578	92.0	3.6	13.7	867	33.6	1.1	4.2	1,711	66.4	2.2	8.4
Total ⁿ	16,193	15,441	95.4	5.0	15.7	5,116	33.1	1.6	5.0	10,325	66.9	3.2	10.0
							2019						
Gender													
Man	12,287	11,773	95.8	_	15.4	3,516	29.9	_	4.4	8,257	70.1	_	10.4
Woman	3,829	3,688	96.3	_	15.6	1,207	32.7	_	4.9	2,481	67.3	_	10.1
Transgender woman/girl ^b	145	138	95.2	_	11.5	46	33.3	_	3.6	92	66.7	_	7.3
Transgender man/boy ^b	5	5	100	_	9.7	2	40.0	_	3.9	3	60.0	_	5.8
Additional gender identity ^c	2	2	100	_	6.1	0	0.0	0.0	0.0	2	100	_	6.1
Age at diagnosis (yr)													
<13	2	2	100	0.0	1.0	1	50.0	0.0	0.5	1	50.0	0.0	0.5
13–14	1	1	100	0.0	1.4	1	100	0.0	1.4	0	0.0	0.0	0.0
15–19	11	11	100	0.1	1.8	4	36.4	0.0	0.7	7	63.6	0.0	1.2
20–24	123	115	93.5	0.6	3.7	42	36.5	0.2	1.3	73	63.5	0.3	2.2
25–29	436	419	96.1	1.9	5.6	188	44.9	0.8	2.4	231	55.1	1.0	2.9
30–34	664	634	95.5	3.0	7.1	272	42.9	1.2	2.9	362	57.1	1.6	3.9
35–39	850	819	96.4	3.9	8.7	311	38.0	1.4	3.2	508	62.0	2.3	5.2
40–44	933	889	95.3	4.7	9.4	348	39.1	1.7	3.5	541	60.9	2.7	5.5
45–49	1,400	1,357	96.9	6.9	11.2	507	37.4	2.5	4.0	850	62.6	4.2	6.8
50–54	2,242	2,157	96.2	11.0	14.1	671	31.1	3.3	4.2	1,486	68.9	7.3	9.4
55–59	2,915	2,808	96.3	13.3	19.0	798	28.4	3.6	5.2	2,010	71.6	9.2	13.1
60–64	2,666	2,570	96.4	13.0	25.5	659	25.6	3.2	6.3	1,911	74.4	9.3	18.3
65–69	1,859	1,782	95.9	10.7	31.9	479	26.9	2.7	8.2	1,303	73.1	7.5	22.3
10.1 10.1													
	1 በደን	1 000	9/5	77	10 1	うだろ	2/LQ	1 2	0.5	760	75 O	55	22.7
70–74 ≥75	1,082 1,084	1,022 1,020	94.5 94.1	7.7 4.8	40.4 64.8	253 237	24.8 23.2	1.8 1.1	9.5 14.2	769 783	75.2 76.8	5.5 3.5	28.7 46.8

Table 11a. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States (cont)

			Total				HIV-r	elated			Non-HIV	/-related	
_		Deaths with I	nown cause	Rate per	Rate per 1,000		known cause d to HIV	Rate per	Rate per 1,000		known cause ed to HIV	Rate per	Rate per
	No.	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa
							2019 (cont)						
Race/ethnicity													
American Indian/Alaska Native	57	56	98.2	2.4	19.3	20	35.7	8.0	6.8	36	64.3	1.5	12.2
Asian ^d	104	92	88.5	0.5	6.8	33	35.9	0.2	2.2	59	64.1	0.3	3.9
Black/African American	7,002	6,701	95.7	17.0	16.5	2,145	32.0	5.2	5.1	4,556	68.0	11.1	10.7
Hispanic/Latino ^e	2,761	2,632	95.3	4.6	11.2	873	33.2	1.4	3.5	1,759	66.8	2.9	7.1
Native Hawaiian/ other Pacific Islander	14	14	100	2.3	17.5	7	50.0	1.2	8.7	7	50.0	1.2	8.7
White	5,255	5,062	96.3	2.7	17.3	1,356	26.8	0.7	4.5	3,706	73.2	1.9	12.2
Multiracial	1,071	1,048	97.9	14.5	17.7	336	32.1	4.6	5.5	712	67.9	9.7	11.7
Transmission category ^f													
Male sex at birth (≥13 yr at diagno	osis) ^g												
Male-to-male sexual contacth	7,176	6,851	95.5	_	12.1	2,119	30.9	_	3.6	4,732	69.1	_	8.0
Injection drug use ⁱ	2,082	2,015	96.8	_	30.6	506	25.1	_	7.4	1,509	74.9	_	22.2
Male-to-male sexual contact ^h and injection drug use ⁱ	1,396	1,361	97.4	_	23.2	404	29.7	_	6.7	956	70.3	_	15.9
Heterosexual contact ^j	1,677	1,589	94.7	_	20.8	493	31.1	_	6.1	1,095	68.9	_	13.6
Perinatal ^k	41	39	94.9	_	8.4	24	61.3	_	4.9	15	38.7	_	3.1
Other ^l	58	56	95.9	_	20.9	14	25.1	_	5.0	42	74.9	_	15.0
Subtotal	12,432	11,911	95.8	9.2	15.4	3,561	29.9	2.6	4.4	8,350	70.1	6.2	10.3
Female sex at birth (≥13 yr at dia	gnosis) ^g												
Injection drug use ⁱ	1,311	1,276	97.3	_	26.2	322	25.2	_	6.4	954	74.8	_	19.1
Heterosexual contact ^j	2,462	2,358	95.8	_	13.1	849	36.0	_	4.5	1,509	64.0	_	8.0
Perinatal ^k	37	37	100	_	6.4	31	83.2	_	5.3	6	16.8	_	1.1
Other ^l	25	23	90.4	_	14.9	7	32.7	_	4.4	15	67.3	_	9.1
Subtotal	3,834	3,693	96.3	2.7	15.7	1,209	32.7	0.9	4.9	2,484	67.3	1.8	10.1
Child (<13 yr at diagnosis)													
Perinatal	1	1	100	_	0.6	0	0.0	0.0	0.0	1	100	_	0.6
Other ^l	1	1	100	_	2.8	1	100	_	2.8	0	0.0	0.0	0.0
Subtotal	2	2	100	0.0	1.0	1	50.0	0.0	0.5	1	50.0	0.0	0.5
Region of residence ^m													
Northeast	3,646	3,586	98.4	6.5	15.3	877	24.5	1.6	3.7	2,709	75.5	4.8	11.4
Midwest	1,960	1,924	98.2	2.9	15.5	484	25.2	0.7	3.8	1,440	74.8	2.1	11.4
South	7,894	7,497	95.0	6.3	16.4	2,586	34.5	2.1	5.4	4,911	65.5	3.9	10.2
West	2,768	2,599	93.9	3.5	13.2	824	31.7	1.1	3.9	1,775	68.3	2.3	8.5
Total ⁿ	16,268	15,606	95.9	5.0	15.4	4,771	30.6	1.5	4.5	10,835	69.4	3.3	10.3

Table 11a. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States (cont)

			Total				HIV-ı	elated			Non-HI\	/-related	
_		Deaths with I	known cause	Rate per	Rate per 1,000	Deaths with k related		Rate per	Rate per 1,000	Deaths with k		Rate per	Rate per
	No.	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	1,000 PWDH ^a
						2020 (0	COVID-19 pan	demic) ⁰					
Gender													
Man	14,272	13,708	96.0	_	17.6	3,577	26.1		4.4	10,131	73.9	_	12.5
Woman	4,648	4,470	96.2	_	18.8	1,204	26.9	_	4.9	3,266	73.1		13.2
Transgender woman/girl ^b	211	205	97.2	_	15.9	55	26.8	_	4.1	150	73.2	_	11.3
Transgender man/boyb	10	10	100	_	18.1	4	40.0	_	7.2	6	60.0	_	10.9
Additional gender identity ^c	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Age at diagnosis (yr)													
<13*	5	4	80.0	0.0	2.9	1	25.0	0.0	0.6	3	75.0	0.0	1.7
13–14	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
15–19	13	12	92.3	0.1	2.3	1	8.3	0.0	0.2	11	91.7	0.1	2.0
20–24	139	134	96.4	0.6	4.5	46	34.3	0.2	1.5	88	65.7	0.4	2.8
25–29	465	450	96.8	2.0	6.1	174	38.7	0.8	2.3	276	61.3	1.2	3.6
30–34	800	768	96.0	3.5	8.1	268	34.9	1.2	2.3	500	65.1	2.2	5.0 5.1
35–39	950	917	96.5	4.3	9.6	343	34.9 37.4	1.5	3.5	574	62.6	2.6	5.8
40–44						3 4 3				704		3.4	
	1,150	1,096	95.3	5.6	11.5		35.8	1.9	3.9		64.2		7.0
45–49	1,522	1,459	95.9	7.5	12.8	470	32.2	2.3	4.0	989	67.8	4.9	8.3
50–54	2,349	2,268	96.6	11.3	15.5	625	27.6	3.0	4.1	1,643	72.4	7.9	10.8
55–59	3,317	3,205	96.6	15.1	20.7	805	25.1	3.7	5.0	2,400	74.9	11.0	15.0
60–64	3,184	3,065	96.3	15.2	28.4	676	22.1	3.2	6.0	2,389	77.9	11.4	21.3
65–69	2,360	2,260	95.8	13.2	36.1	476	21.1	2.7	7.3	1,784	78.9	10.0	27.3
70–74	1,499	1,434	95.7	10.3	48.9	303	21.1	2.1	9.9	1,131	78.9	7.8	36.9
≥75	1,388	1,321	95.2	6.2	72.1	260	19.7	1.2	13.5	1,061	80.3	4.7	55.2
Race/ethnicity													
American Indian/Alaska Native	82	80	97.6	3.4	26.6	20	25.0	8.0	6.5	60	75.0	2.5	19.5
Asian ^d	107	95	88.8	0.5	6.8	26	27.4	0.1	1.6	69	72.6	0.4	4.4
Black/African American	8,366	8,031	96.0	20.0	19.4	2,187	27.2	5.2	5.1	5,844	72.8	14.0	13.6
Hispanic/Latino ^e	3,456	3,288	95.1	5.6	13.7	859	26.1	1.4	3.4	2,429	73.9	3.9	9.6
Native Hawaiian/ other Pacific Islander	11	11	100	1.8	13.0	2	18.2	0.3	2.4	9	81.8	1.5	10.6
White	5,799	5,600	96.6	2.9	18.9	1,404	25.1	0.7	4.6	4,196	74.9	2.1	13.7
Multiracial	1,319	1,287	97.6	17.3	21.7	342	26.6	4.5	5.6	945	73.4	12.4	15.6
Transmission category ^f													
Male sex at birth (≥13 yr at diagn	osis) ^g												
Male-to-male sexual contacth	8,296	7,959	95.9	_	13.7	2,207	27.7	_	3.6	5,752	72.3	_	9.5
Injection drug use ⁱ	2,424	2,338	96.4	_	36.1	475	20.3	_	7.1	1,862	79.7	_	27.7
Male-to-male sexual contact ^h and injection drug use ⁱ	1,673	1,629	97.4	_	27.9	407	25.0	_	6.8	1,223	75.0	_	20.4
Heterosexual contact ^j	1,963	1,861	94.8	_	24.2	500	26.9	_	6.2	1,361	73.1	_	16.8
Perinatal ^k	59	59	100	_	11.6	27	46.5	_	5.4	31	53.5	_	6.2
Other ^l	68	65	96.7	_	24.3	14	21.4	_	5.0	51	78.6	_	18.5
Subtotal	14,481	13,911	96.1	10.5	17.6	3,631	26.1	2.6	4.4	10,280	73.9	— 7.5	12.5
Juniotal	14,401	13,311	30.1	10.5	17.0	3,031	20.1	2.0	4.4	10,200	13.3	1.5	12.0

Table 11a. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States (cont)

Deaths with I No. 1,464 2,937 43 34 4,478 3 1 4 4,452 2,293 8,705 2,943	97.2 95.8 97.7 90.5 96.2 75.0 100 80.0	Rate per 100,000 pop	Rate per 1,000 PWDH ^a 30.4 16.2 7.4 22.2 18.9 2.8 3.3 2.9	Deaths with k related No. 2020 (COV 332 836 31 8 1,208	22.7 28.5 73.9 22.9 27.0	Rate per 100,000 pop mic) ^o (cont) — — — 0.9	Rate per 1,000 PWDH ^a 6.7 4.4 5.3 4.6 4.9	Deaths with k not relate No. 1,132 2,101 11 26 3,270	77.3 71.5 26.1 77.1 73.0	Rate per 100,000 pop	Rate per 1,000 PWDH ^a 22.8 11.1 1.9 15.5
1,464 2,937 43 34 4,478 3 1 4 4,452 2,293 8,705	97.2 95.8 97.7 90.5 96.2 75.0 100 80.0		30.4 16.2 7.4 22.2 18.9 2.8 3.3	332 836 31 8 1,208	22.7 28.5 73.9 22.9 27.0	100,000 pop mic)° (cont) 0.9	6.7 4.4 5.3 4.6 4.9	1,132 2,101 11 26 3,270	77.3 71.5 26.1 77.1 73.0		22.8 11.1 1.9 15.5
2,937 43 34 4,478 3 1 4 4,452 2,293 8,705	95.8 97.7 90.5 96.2 75.0 100 80.0	- - 3.3 - - 0.0	16.2 7.4 22.2 18.9 2.8 3.3	332 836 31 8 1,208	22.7 28.5 73.9 22.9 27.0	 0.9	4.4 5.3 4.6 4.9	2,101 11 26 3,270	71.5 26.1 77.1 73.0	_ _ _	11.1 1.9 15.5
2,937 43 34 4,478 3 1 4 4,452 2,293 8,705	95.8 97.7 90.5 96.2 75.0 100 80.0	- - 3.3 - - 0.0	16.2 7.4 22.2 18.9 2.8 3.3	836 31 8 1,208	28.5 73.9 22.9 27.0	 0.9	4.4 5.3 4.6 4.9	2,101 11 26 3,270	71.5 26.1 77.1 73.0	_ _ _	11.1 1.9 15.5
2,937 43 34 4,478 3 1 4 4,452 2,293 8,705	95.8 97.7 90.5 96.2 75.0 100 80.0	- - 3.3 - - 0.0	16.2 7.4 22.2 18.9 2.8 3.3	836 31 8 1,208	28.5 73.9 22.9 27.0	 0.9	4.4 5.3 4.6 4.9	2,101 11 26 3,270	71.5 26.1 77.1 73.0	_ _ _	11.1 1.9 15.5
2,937 43 34 4,478 3 1 4 4,452 2,293 8,705	95.8 97.7 90.5 96.2 75.0 100 80.0	- - 3.3 - - 0.0	16.2 7.4 22.2 18.9 2.8 3.3	836 31 8 1,208	28.5 73.9 22.9 27.0	 0.9	4.4 5.3 4.6 4.9	2,101 11 26 3,270	71.5 26.1 77.1 73.0	_ _ _	11.1 1.9 15.5
43 34 4,478 3 1 4 4,452 2,293 8,705	97.7 90.5 96.2 75.0 100 80.0		7.4 22.2 18.9 2.8 3.3	31 8 1,208	73.9 22.9 27.0	0.9	5.3 4.6 4.9	11 26 3,270	26.1 77.1 73.0	_	1.9 15.5
34 4,478 3 1 4 4,452 2,293 8,705	90.5 96.2 75.0 100 80.0	3.3	22.2 18.9 2.8 3.3	8 1,208 0	22.9 27.0 0.0	0.9	4.6 4.9	26 3,270	77.1 73.0	_	15.5
4,478 3 1 4 4,452 2,293 8,705	96.2 75.0 100 80.0 98.4	3.3 — — 0.0	18.9 2.8 3.3	1,208 0	27.0	0.9	4.9	3,270	73.0		
3 1 4 4,452 2,293 8,705	75.0 100 80.0 98.4	 0.0	2.8 3.3	0	0.0					2.3	
1 4,452 2,293 8,705	100 80.0 98.4	0.0	3.3			0.0	0.0	3			13.2
1 4,452 2,293 8,705	100 80.0 98.4	0.0	3.3			0.0	0.0	3			
1 4,452 2,293 8,705	100 80.0 98.4	0.0	3.3			0.0	0.0		100	_	2.1
4,452 2,293 8,705	80.0 98.4	0.0			100	_	3.3	0	0.0	0.0	0.0
4,452 2,293 8,705	98.4		2.0	1	25.0	0.0	0.6	3	75.0	0.0	1.7
2,293 8,705					20.0	0.0	0.0	J	70.0	0.0	1.7
2,293 8,705		7.0	40.0	704	47.0	4.4	2.2	2.050	00.0	0.4	45.4
8,705	97.9	7.9	19.0	794	17.8	1.4	3.3	3,658	82.2	6.4	15.4
		3.4	18.2	519	22.6	0.8	4.0	1,774	77.4	2.6	13.8
3 013	95.6	7.2	18.6	2,694	30.9	2.1	5.5	6,011	69.1	4.8	12.3
2,543	92.9	4.0	14.9	833	28.3	1.1	3.9	2,110	71.7	2.7	9.9
18,393	96.1	5.8	17.9	4,840	26.3	1.5	4.5	13,553	73.7	4.1	12.7
					2021						
14,572	96.7	_	18.3	3,569	24.5	_	4.3	11,003	75.5	_	13.3
4,751	97.3	_	19.6	1,113	23.4	_	4.5	3,638	76.6	_	14.6
219	96.5	_	16.2	54	24.7	_	3.9	165	75.3	_	11.8
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				30				•			2.6
											4.3
											4.3 5.5
											7.2
											7.8
											9.6
											11.7
											15.8
											21.4
											27.1
1 560	96.1	10.7	45.9	291	18.6	1.9		1,271	81.4		35.9
	96.3	6.3	65.6	237	17.1	1.0	10.8	1,146	82.9	5.0	52.3
	3	3 100 1 100 1 100 0 0.0 5 100 107 96.4 464 96.3 889 96.3 1,073 97.4 1,179 97.2 1,525 96.9 2,265 97.5 3,357 97.2 3,271 97.0 2,465 96.3 1,562 96.1	3 100 — 1 100 — 1 100 0.0 0 0.0 0.0 5 100 0.0 107 96.4 0.5 464 96.3 2.2 889 96.3 4.0 1,073 97.4 5.0 1,179 97.2 5.8 1,525 96.9 8.0 2,265 97.5 11.1 3,357 97.2 16.1 3,271 97.0 16.0 2,465 96.3 14.0 1,562 96.1 10.7	3 100 — 5.0 1 100 — 2.5 1 100 0.0 0.7 0 0.0 0.0 0.0 5 100 0.0 0.9 107 96.4 0.5 3.7 464 96.3 2.2 6.6 889 96.3 4.0 8.9 1,073 97.4 5.0 10.9 1,179 97.2 5.8 11.7 1,525 96.9 8.0 14.1 2,265 97.5 11.1 15.9 3,357 97.2 16.1 21.1 3,271 97.0 16.0 28.0 2,465 96.3 14.0 35.7 1,562 96.1 10.7 45.9	3 100 — 5.0 1 1 100 — 2.5 0 1 100 0.0 0.7 1 0 0.0 0.0 0.0 0 5 100 0.0 0.9 1 107 96.4 0.5 3.7 30 464 96.3 2.2 6.6 154 889 96.3 4.0 8.9 313 1,073 97.4 5.0 10.9 347 1,179 97.2 5.8 11.7 371 1,525 96.9 8.0 14.1 453 2,265 97.5 11.1 15.9 545 3,357 97.2 16.1 21.1 776 3,271 97.0 16.0 28.0 698 2,465 96.3 14.0 35.7 520 1,562 96.1 10.7 45.9 291	3 100 — 5.0 1 33.3 1 100 — 2.5 0 0.0 1 100 0.0 0.7 1 100 0 0.0 0.0 0.0 0 0.0 5 100 0.0 0.9 1 20.0 107 96.4 0.5 3.7 30 28.0 464 96.3 2.2 6.6 154 33.2 889 96.3 4.0 8.9 313 35.2 1,073 97.4 5.0 10.9 347 32.3 1,179 97.2 5.8 11.7 371 31.5 1,525 96.9 8.0 14.1 453 29.7 2,265 97.5 11.1 15.9 545 24.1 3,357 97.2 16.1 21.1 776 23.1 3,271 97.0 16.0 28.0 698 21.3 2,465 96.3 14.0 35.7 520 21.1 <t< td=""><td>3 100 — 5.0 1 33.3 — 1 100 — 2.5 0 0.0 0.0 1 100 0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 5 100 0.0 0.9 1 20.0 0.0 107 96.4 0.5 3.7 30 28.0 0.1 464 96.3 2.2 6.6 154 33.2 0.7 889 96.3 4.0 8.9 313 35.2 1.4 1,073 97.4 5.0 10.9 347 32.3 1.6 1,179 97.2 5.8 11.7 371 31.5 1.8 1,525 96.9 8.0 14.1 453 29.7 2.3 2,265 97.5 11.1 15.9 545 24.1 2.6 3,357 97.2 16.1 21.1 776 23.1 3.6 3,271 97.0<!--</td--><td>3 100 — 5.0 1 33.3 — 1.7 1 100 — 2.5 0 0.0 0.0 0.0 1 100 0.0 0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5 100 0.0 0.9 1 20.0 0.0 0.2 107 96.4 0.5 3.7 30 28.0 0.1 1.0 464 96.3 2.2 6.6 154 33.2 0.7 2.1 889 96.3 4.0 8.9 313 35.2 1.4 3.0 1,073 97.4 5.0 10.9 347 32.3 1.6 3.4 1,179 97.2 5.8 11.7 371 31.5 1.8 3.6 1,525 96.9 8.0 14.1 453 29.7 2.3 4.1 2,265 97.5 11.1 15.9 545 24.1 2.6</td><td>3 100 — 5.0 1 33.3 — 1.7 2 1 100 — 2.5 0 0.0 0.0 0.0 0.0 1 100 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5 100 0.0 0.9 1 20.0 0.0 0.2 4 107 96.4 0.5 3.7 30 28.0 0.1 1.0 77 464 96.3 2.2 6.6 154 33.2 0.7 2.1 310 889 96.3 4.0 8.9 313 35.2 1.4 3.0 576 1,073 97.4 5.0 10.9 347 32.3 1.6 3.4 726 1,179 97.2 5.8 11.7 371 31.5 1.8 3.6 808 1,525 96.9 8.0 14.1 453 29.7 2.3</td></td></t<> <td>3 100 — 5.0 1 33.3 — 1.7 2 66.7 1 100 — 2.5 0 0.0 0.0 0.0 1 100 1 100 0.0</td> <td>3 100 — 5.0 1 33.3 — 1.7 2 66.7 — 1 100 — 2.5 0 0.0 0.0 0.0 1 100 — 1 100 0.0<</td>	3 100 — 5.0 1 33.3 — 1 100 — 2.5 0 0.0 0.0 1 100 0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 5 100 0.0 0.9 1 20.0 0.0 107 96.4 0.5 3.7 30 28.0 0.1 464 96.3 2.2 6.6 154 33.2 0.7 889 96.3 4.0 8.9 313 35.2 1.4 1,073 97.4 5.0 10.9 347 32.3 1.6 1,179 97.2 5.8 11.7 371 31.5 1.8 1,525 96.9 8.0 14.1 453 29.7 2.3 2,265 97.5 11.1 15.9 545 24.1 2.6 3,357 97.2 16.1 21.1 776 23.1 3.6 3,271 97.0 </td <td>3 100 — 5.0 1 33.3 — 1.7 1 100 — 2.5 0 0.0 0.0 0.0 1 100 0.0 0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5 100 0.0 0.9 1 20.0 0.0 0.2 107 96.4 0.5 3.7 30 28.0 0.1 1.0 464 96.3 2.2 6.6 154 33.2 0.7 2.1 889 96.3 4.0 8.9 313 35.2 1.4 3.0 1,073 97.4 5.0 10.9 347 32.3 1.6 3.4 1,179 97.2 5.8 11.7 371 31.5 1.8 3.6 1,525 96.9 8.0 14.1 453 29.7 2.3 4.1 2,265 97.5 11.1 15.9 545 24.1 2.6</td> <td>3 100 — 5.0 1 33.3 — 1.7 2 1 100 — 2.5 0 0.0 0.0 0.0 0.0 1 100 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5 100 0.0 0.9 1 20.0 0.0 0.2 4 107 96.4 0.5 3.7 30 28.0 0.1 1.0 77 464 96.3 2.2 6.6 154 33.2 0.7 2.1 310 889 96.3 4.0 8.9 313 35.2 1.4 3.0 576 1,073 97.4 5.0 10.9 347 32.3 1.6 3.4 726 1,179 97.2 5.8 11.7 371 31.5 1.8 3.6 808 1,525 96.9 8.0 14.1 453 29.7 2.3</td>	3 100 — 5.0 1 33.3 — 1.7 1 100 — 2.5 0 0.0 0.0 0.0 1 100 0.0 0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5 100 0.0 0.9 1 20.0 0.0 0.2 107 96.4 0.5 3.7 30 28.0 0.1 1.0 464 96.3 2.2 6.6 154 33.2 0.7 2.1 889 96.3 4.0 8.9 313 35.2 1.4 3.0 1,073 97.4 5.0 10.9 347 32.3 1.6 3.4 1,179 97.2 5.8 11.7 371 31.5 1.8 3.6 1,525 96.9 8.0 14.1 453 29.7 2.3 4.1 2,265 97.5 11.1 15.9 545 24.1 2.6	3 100 — 5.0 1 33.3 — 1.7 2 1 100 — 2.5 0 0.0 0.0 0.0 0.0 1 100 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5 100 0.0 0.9 1 20.0 0.0 0.2 4 107 96.4 0.5 3.7 30 28.0 0.1 1.0 77 464 96.3 2.2 6.6 154 33.2 0.7 2.1 310 889 96.3 4.0 8.9 313 35.2 1.4 3.0 576 1,073 97.4 5.0 10.9 347 32.3 1.6 3.4 726 1,179 97.2 5.8 11.7 371 31.5 1.8 3.6 808 1,525 96.9 8.0 14.1 453 29.7 2.3	3 100 — 5.0 1 33.3 — 1.7 2 66.7 1 100 — 2.5 0 0.0 0.0 0.0 1 100 1 100 0.0	3 100 — 5.0 1 33.3 — 1.7 2 66.7 — 1 100 — 2.5 0 0.0 0.0 0.0 1 100 — 1 100 0.0<

Table 11a. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States (cont)

			Total				HIV-r	elated			Non-HI\	/-related	
_		Deaths with k	nown cause	Rate per	Rate per 1,000	relate	known cause d to HIV	Rate per	Rate per 1,000	Deaths with k not relate		Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa
							2021 (cont)						
Race/ethnicity													
American Indian/Alaska Native	81	79	97.5	3.4	25.2	24	30.4	1.0	7.5	55	69.6	2.3	17.1
Asian ^d	125	110	88.0	0.6	7.5	41	37.3	0.2	2.5	69	62.7	0.3	4.2
Black/African American	8,668	8,452	97.5	20.7	19.8	2,066	24.4	4.9	4.7	6,386	75.6	15.3	14.6
Hispanic/Latino ^e	3,577	3,387	94.7	5.7	13.7	883	26.1	1.4	3.4	2,504	73.9	4.0	9.6
Native Hawaiian/ other Pacific Islander	15	13	86.7	2.4	16.4	4	30.8	0.6	4.4	9	69.2	1.4	9.8
White	6,215	6,028	97.0	3.2	20.1	1,327	22.0	0.7	4.3	4,701	78.0	2.4	15.2
Multiracial	1,499	1,475	98.4	19.2	24.7	392	26.6	5.0	6.5	1,083	73.4	13.9	17.8
Transmission category ^f													
Male sex at birth (≥13 yr at diagno	osis) ^g												
Male-to-male sexual contacth	8,912	8,598	96.5	_	14.3	2,227	25.9	_	3.6	6,371	74.1	_	10.2
Injection drug use ⁱ	2,397	2,328	97.1	_	36.1	465	20.0	_	7.0	1,862	80.0	_	28.1
Male-to-male sexual contact ^h and injection drug use ⁱ	1,740	1,706	98.0	_	29.1	362	21.2	_	6.1	1,344	78.8	_	22.5
Heterosexual contact ^j	2,132	2,051	96.2	_	26.1	527	25.7	_	6.5	1,525	74.3	_	18.7
Perinatal ^k	55	52	94.6	_	10.8	25	48.1	_	4.9	27	51.9	_	5.3
Other ^l	59	57	95.8	_	21.4	17	29.5	_	6.0	40	70.5	_	14.5
Subtotal	15,296	14,792	96.7	11.0	18.2	3,623	24.5	2.6	4.3	11,169	75.5	8.1	13.3
Female sex at birth (≥13 yr at diag	gnosis) ^g												
Injection drug use ⁱ	1,516	1,480	97.6	_	30.8	273	18.4	_	5.5	1,207	81.6	_	24.5
Heterosexual contact ^j	3,279	3,189	97.3	_	17.0	800	25.1	_	4.2	2,389	74.9	_	12.4
Perinatal ^k	54	50	92.6	_	8.9	30	60.6	_	5.0	20	39.4	_	3.3
Other ^l	36	34	96.1	_	20.8	10	28.7	_	5.7	24	71.3	_	14.2
Subtotal	4,885	4,753	97.3	3.4	19.6	1,113	23.4	8.0	4.5	3,640	76.6	2.6	14.6
Child (<13 yr at diagnosis)													
Perinatal	1	1	100	_	0.8	1	100	_	0.8	0	0.0	0.0	0.0
Other ^l	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Subtotal	1	1	100	0.0	0.7	1	100	0.0	0.7	0	0.0	0.0	0.0
Region of residence ^m													
Northeast	4,387	4,278	97.5	7.7	18.4	751	17.6	1.3	3.1	3,527	82.4	6.2	14.8
Midwest	2,398	2,344	97.7	3.5	18.3	528	22.5	0.8	4.0	1,816	77.5	2.6	13.9
South	9,828	9,584	97.5	7.7	19.6	2,609	27.2	2.0	5.2	6,975	72.8	5.5	13.9
West	3,569	3,340	93.6	4.5	16.4	849	25.4	1.1	3.9	2,491	74.6	3.2	11.4
Total ⁿ	20,182	19,546	96.8	6.1	18.5	4,737	24.2	1.4	4.3	14,809	75.8	4.5	13.6

Table 11a. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States (cont)

237 446 243 7 6 2 0 6 118 483	Deaths with k No. 12,582 3,866 207 5 6	% 88.4 87.0 85.2 71.4 100	Rate per 100,000 pop	Rate per 1,000 PWDH ^a 16.9 17.6 16.5 10.6 12.7	Deaths with k related No. 3,141 948 54 2		Rate per 100,000 pop 	Rate per 1,000 PWDHa 3.7 3.7	Deaths with k not relate No. 9,441 2,918		Rate per 100,000 pop 	Rate per 1,000 PWDH ^a
237 446 243 7 6 2 0 6	12,582 3,866 207 5 6	88.4 87.0 85.2 71.4 100		16.9 17.6 16.5 10.6	3,141 948 54	2022 25.0 24.5	100,000 pop 	3.7 3.7	9,441 2,918	75.0	100,000 pop 	PWDH ^a
446 243 7 6 2 0 6 118	3,866 207 5 6	87.0 85.2 71.4 100	_ _ _ _	17.6 16.5 10.6	948 54	25.0 24.5		3.7	2,918			
446 243 7 6 2 0 6 118	3,866 207 5 6	87.0 85.2 71.4 100	_ _ _ _	17.6 16.5 10.6	948 54	24.5		3.7	2,918			
446 243 7 6 2 0 6 118	3,866 207 5 6	87.0 85.2 71.4 100	_ _ _ _	17.6 16.5 10.6	948 54	24.5		3.7	2,918			
243 7 6 2 0 6 118	207 5 6 2 0	85.2 71.4 100	_ _ _	16.5 10.6	54		_			75.5	_	44 -
7 6 2 0 6 118	5 6 2 0	71.4 100 100	<u>-</u>	10.6		26.1		_			_	11.5
2 0 6 118	6 2 0	100 100	_		2		_	3.7	153	73.9	_	10.4
2 0 6 118	2	100		12.7		40.0	_	3.0	3	60.0	_	4.5
0 6 118	0				0	0.0	0.0	0.0	6	100	_	12.7
0 6 118	0											
6 118			0.0	1.5	1	50.0	0.0	0.7	1	50.0	0.0	0.7
118	5	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
	-	83.3	0.0	1.2	1	20.0	0.0	0.2	4	80.0	0.0	0.8
483	105	89.0	0.5	3.9	33	31.4	0.1	1.1	72	68.6	0.3	2.4
	421	87.2	2.2	6.8	134	31.8	0.6	1.9	287	68.2	1.3	4.0
905	788	87.1	3.9	8.3	260	33.0	1.1	2.4	528	67.0	2.3	4.9
085	944	87.0	4.9	10.3	299	31.7	1.3	2.8	645	68.3	2.9	6.1
314	1,163	88.5	6.1	12.3	370	31.8	1.7	3.5	793	68.2	3.7	7.4
338	1,191	89.0	6.8	12.5	368	30.9	1.9	3.4	823	69.1	4.2	7.7
023	1,787	88.3	9.7	14.4	454	25.4	2.2	3.2	1,333	74.6	6.4	9.5
975	2,643	88.8	14.2	18.2	601	22.7	2.9	3.7	2,042	77.3	9.7	12.5
135	2,756	87.9	14.8	24.5	580	21.0	2.7	4.5	2,176	79.0	10.3	17.0
505	2,194	87.6	13.4	31.7	475	21.6	2.5	6.0	1,719	78.4	9.2	21.7
608	1,398	86.9	10.6	40.1	289	20.7	1.9	7.2	1,109	79.3	7.3	27.6
442	1,269	0.88	6.0	57.4	280	22.1	1.2	11.2	989	77.9	4.1	39.4
80	63	78.8	3.3	23.9	15	23.8	0.6	4.5	48	76.2	2.0	14.3
108	92	85.2	0.5		25	27.2	0.1	1.4	67	72.8	0.3	3.8
062	7,159	88.8	19.2	18.2	1,838	25.7	4.4	4.1	5,321	74.3	12.6	12.0
308	2,744	83.0	5.2	12.1	767	28.0	1.2	2.8	1,977	72.0	3.1	7.3
9	8	88.9	1.4	9.1	2	25.0	0.3	2.0	6	75.0	0.9	6.1
957	5,311	89.2	3.0	19.0	1,199	22.6	0.6	3.8	4,112	77.4		13.1
415	1,289	91.1	17.7	23.5	299	23.2	3.7	5.0	990	76.8	12.4	16.4
9												
712	7.690	88.3	_	13.6	2.058	26.8	_	3.2	5.632	73.2	_	8.8
196			_				_				_	22.8
680	1,533	91.2	_	28.3	326	21.2	_	5.5	1,207	78.8	_	20.3
795	1,600	89.2	_	21.8	401	25.0	_	4.9	1,199	75.0	_	14.6
56	50	90.0	_	10.7	18	36.1	_	3.5	32	63.9	_	6.1
45	44	97.3	_	16.2	10	21.8	_	3.4	34	78.2	_	12.4
484	12,793	88.3	10.4	16.9		25.0	2.3	3.7	9,598	75.0	6.9	11.2
091564 103 94 716 7	23 75 35 905 908 42 80 80 80 80 9 157 115 112 196 180 180 180 180 180 180 180 180	1,787 1,75 2,643 3,5 2,756 1,05 2,194 1,08 1,398 1,269 80 80 80 80 92 1,269 80 80 92 1,269 1,269 80 80 92 1,269 1,274 1,289 1,269 1,269 1,269 1,274 1,289 1,269 1,269 1,274 1,289 1,269 1,269 1,274 1,289	123 1,787 88.3 175 2,643 88.8 35 2,756 87.9 105 2,194 87.6 108 1,398 86.9 42 1,269 88.0 80 63 78.8 08 92 85.2 162 7,159 88.8 108 2,744 83.0 9 8 88.9 157 5,311 89.2 155 1,289 91.1 12 7,690 88.3 96 1,876 85.4 80 1,533 91.2 195 1,600 89.2 56 50 90.0 45 44 97.3	123 1,787 88.3 9.7 175 2,643 88.8 14.2 35 2,756 87.9 14.8 105 2,194 87.6 13.4 108 1,398 86.9 10.6 42 1,269 88.0 6.0 80 63 78.8 3.3 08 92 85.2 0.5 162 7,159 88.8 19.2 108 2,744 83.0 5.2 9 8 88.9 1.4 157 5,311 89.2 3.0 155 1,289 91.1 17.7 12 7,690 88.3 — 96 1,876 85.4 — 80 1,533 91.2 — 195 1,600 89.2 — 56 50 90.0 — 45 44 97.3 —	123 1,787 88.3 9.7 14.4 175 2,643 88.8 14.2 18.2 35 2,756 87.9 14.8 24.5 105 2,194 87.6 13.4 31.7 108 1,398 86.9 10.6 40.1 42 1,269 88.0 6.0 57.4 80 63 78.8 3.3 23.9 08 92 85.2 0.5 6.2 162 7,159 88.8 19.2 18.2 108 2,744 83.0 5.2 12.1 9 8 88.9 1.4 9.1 157 5,311 89.2 3.0 19.0 155 1,289 91.1 17.7 23.5 12 7,690 88.3 — 13.6 180 1,533 91.2 — 28.3 195 1,600 89.2 — 21.8 56 50 90.0 — 10.7 45 44 <t< td=""><td>123 1,787 88.3 9.7 14.4 454 175 2,643 88.8 14.2 18.2 601 35 2,756 87.9 14.8 24.5 580 105 2,194 87.6 13.4 31.7 475 108 1,398 86.9 10.6 40.1 289 42 1,269 88.0 6.0 57.4 280 80 63 78.8 3.3 23.9 15 08 92 85.2 0.5 6.2 25 162 7,159 88.8 19.2 18.2 1,838 108 2,744 83.0 5.2 12.1 767 9 8 88.9 1.4 9.1 2 157 5,311 89.2 3.0 19.0 1,199 155 1,289 91.1 17.7 23.5 299 122 7,690 88.3 — 13.6 2,058 180 1,533 91.2 — 28.3 326 195 1,600 89.2 — 21.8 401 156 50 90.0 — 10.7 18</td><td>123 1,787 88.3 9.7 14.4 454 25.4 175 2,643 88.8 14.2 18.2 601 22.7 35 2,756 87.9 14.8 24.5 580 21.0 605 2,194 87.6 13.4 31.7 475 21.6 608 1,398 86.9 10.6 40.1 289 20.7 42 1,269 88.0 6.0 57.4 280 22.1 80 63 78.8 3.3 23.9 15 23.8 08 92 85.2 0.5 6.2 25 27.2 662 7,159 88.8 19.2 18.2 1,838 25.7 108 2,744 83.0 5.2 12.1 767 28.0 9 8 88.9 1.4 9.1 2 25.0 157 5,311 89.2 3.0 19.0 1,199 22.6 157 5,311 89.2 3.0 19.0 1,199 22.6</td><td>1,787 88.3 9.7 14.4 454 25.4 2.2 175 2,643 88.8 14.2 18.2 601 22.7 2.9 35 2,756 87.9 14.8 24.5 580 21.0 2.7 105 2,194 87.6 13.4 31.7 475 21.6 2.5 108 1,398 86.9 10.6 40.1 289 20.7 1.9 42 1,269 88.0 6.0 57.4 280 22.1 1.2 80 63 78.8 3.3 23.9 15 23.8 0.6 08 92 85.2 0.5 6.2 25 27.2 0.1 662 7,159 88.8 19.2 18.2 1,838 25.7 4.4 108 2,744 83.0 5.2 12.1 767 28.0 1.2 9 8 88.9 1.4 9.1 2 25.0 0.3 157 5,311 89.2 3.0 19.0 1,199</td><td>123 1,787 88.3 9.7 14.4 454 25.4 2.2 3.2 175 2,643 88.8 14.2 18.2 601 22.7 2.9 3.7 35 2,756 87.9 14.8 24.5 580 21.0 2.7 4.5 05 2,194 87.6 13.4 31.7 475 21.6 2.5 6.0 08 1,398 86.9 10.6 40.1 289 20.7 1.9 7.2 42 1,269 88.0 6.0 57.4 280 22.1 1.2 11.2 80 63 78.8 3.3 23.9 15 23.8 0.6 4.5 08 92 85.2 0.5 6.2 25 27.2 0.1 1.4 62 7,159 88.8 19.2 18.2 1,838 25.7 4.4 4.1 108 2,744 83.0 5.2 12.1 767 28.0 1.2 2.8 9 8 88.9 1.4</td><td>123 1,787 88.3 9.7 14.4 454 25.4 2.2 3.2 1,333 175 2,643 88.8 14.2 18.2 601 22.7 2.9 3.7 2,042 35 2,756 87.9 14.8 24.5 580 21.0 2.7 4.5 2,176 005 2,194 87.6 13.4 31.7 475 21.6 2.5 6.0 1,719 008 1,398 86.9 10.6 40.1 289 20.7 1.9 7.2 1,109 42 1,269 88.0 6.0 57.4 280 22.1 1.2 11.2 989 80 63 78.8 3.3 23.9 15 23.8 0.6 4.5 48 08 92 85.2 0.5 6.2 25 27.2 0.1 1.4 67 162 7,159 88.8 19.2 18.2 1,838 25.7 4.4 4.1 5,321 108 2,744 83.0 5.2 12.1<</td><td>123 1,787 88.3 9.7 14.4 454 25.4 2.2 3.2 1,333 74.6 175 2,643 88.8 14.2 18.2 601 22.7 2.9 3.7 2,042 77.3 35 2,756 87.9 14.8 24.5 580 21.0 2.7 4.5 2,176 79.0 05 2,194 87.6 13.4 31.7 475 21.6 2.5 6.0 1,719 78.4 108 1,398 86.9 10.6 40.1 289 20.7 1.9 7.2 1,109 79.3 42 1,269 88.0 6.0 57.4 280 22.1 1.2 11.2 989 77.9 80 63 78.8 3.3 23.9 15 23.8 0.6 4.5 48 76.2 08 92 85.2 0.5 6.2 25 27.2 0.1 1.4 67 72.8 662 7,159 88.8 19.2 18.2 1,838 25.7 4.4 4.1 5,321 74.3 108 2,744 83.0 5.2 12.1 767 28.0 1.2 2.8</td><td>23 1,787 88.3 9.7 14.4 454 25.4 2.2 3.2 1,333 74.6 6.4 775 2,643 88.8 14.2 18.2 601 22.7 2.9 3.7 2,042 77.3 9.7 35 2,756 87.9 14.8 24.5 580 21.0 2.7 4.5 2,176 79.0 10.3 05 2,194 87.6 13.4 31.7 475 21.6 2.5 6.0 1,719 78.4 9.2 108 1,398 86.9 10.6 40.1 289 20.7 1.9 7.2 1,109 79.3 7.3 42 1,269 88.0 6.0 57.4 280 22.1 1.2 11.2 989 77.9 4.1 80 63 78.8 3.3 23.9 15 23.8 0.6 4.5 48 76.2 2.0 08 92 85.2 0.5 6.2 25 27.2 0.1 1.4 67 72.8 0.3</td></t<>	123 1,787 88.3 9.7 14.4 454 175 2,643 88.8 14.2 18.2 601 35 2,756 87.9 14.8 24.5 580 105 2,194 87.6 13.4 31.7 475 108 1,398 86.9 10.6 40.1 289 42 1,269 88.0 6.0 57.4 280 80 63 78.8 3.3 23.9 15 08 92 85.2 0.5 6.2 25 162 7,159 88.8 19.2 18.2 1,838 108 2,744 83.0 5.2 12.1 767 9 8 88.9 1.4 9.1 2 157 5,311 89.2 3.0 19.0 1,199 155 1,289 91.1 17.7 23.5 299 122 7,690 88.3 — 13.6 2,058 180 1,533 91.2 — 28.3 326 195 1,600 89.2 — 21.8 401 156 50 90.0 — 10.7 18	123 1,787 88.3 9.7 14.4 454 25.4 175 2,643 88.8 14.2 18.2 601 22.7 35 2,756 87.9 14.8 24.5 580 21.0 605 2,194 87.6 13.4 31.7 475 21.6 608 1,398 86.9 10.6 40.1 289 20.7 42 1,269 88.0 6.0 57.4 280 22.1 80 63 78.8 3.3 23.9 15 23.8 08 92 85.2 0.5 6.2 25 27.2 662 7,159 88.8 19.2 18.2 1,838 25.7 108 2,744 83.0 5.2 12.1 767 28.0 9 8 88.9 1.4 9.1 2 25.0 157 5,311 89.2 3.0 19.0 1,199 22.6 157 5,311 89.2 3.0 19.0 1,199 22.6	1,787 88.3 9.7 14.4 454 25.4 2.2 175 2,643 88.8 14.2 18.2 601 22.7 2.9 35 2,756 87.9 14.8 24.5 580 21.0 2.7 105 2,194 87.6 13.4 31.7 475 21.6 2.5 108 1,398 86.9 10.6 40.1 289 20.7 1.9 42 1,269 88.0 6.0 57.4 280 22.1 1.2 80 63 78.8 3.3 23.9 15 23.8 0.6 08 92 85.2 0.5 6.2 25 27.2 0.1 662 7,159 88.8 19.2 18.2 1,838 25.7 4.4 108 2,744 83.0 5.2 12.1 767 28.0 1.2 9 8 88.9 1.4 9.1 2 25.0 0.3 157 5,311 89.2 3.0 19.0 1,199	123 1,787 88.3 9.7 14.4 454 25.4 2.2 3.2 175 2,643 88.8 14.2 18.2 601 22.7 2.9 3.7 35 2,756 87.9 14.8 24.5 580 21.0 2.7 4.5 05 2,194 87.6 13.4 31.7 475 21.6 2.5 6.0 08 1,398 86.9 10.6 40.1 289 20.7 1.9 7.2 42 1,269 88.0 6.0 57.4 280 22.1 1.2 11.2 80 63 78.8 3.3 23.9 15 23.8 0.6 4.5 08 92 85.2 0.5 6.2 25 27.2 0.1 1.4 62 7,159 88.8 19.2 18.2 1,838 25.7 4.4 4.1 108 2,744 83.0 5.2 12.1 767 28.0 1.2 2.8 9 8 88.9 1.4	123 1,787 88.3 9.7 14.4 454 25.4 2.2 3.2 1,333 175 2,643 88.8 14.2 18.2 601 22.7 2.9 3.7 2,042 35 2,756 87.9 14.8 24.5 580 21.0 2.7 4.5 2,176 005 2,194 87.6 13.4 31.7 475 21.6 2.5 6.0 1,719 008 1,398 86.9 10.6 40.1 289 20.7 1.9 7.2 1,109 42 1,269 88.0 6.0 57.4 280 22.1 1.2 11.2 989 80 63 78.8 3.3 23.9 15 23.8 0.6 4.5 48 08 92 85.2 0.5 6.2 25 27.2 0.1 1.4 67 162 7,159 88.8 19.2 18.2 1,838 25.7 4.4 4.1 5,321 108 2,744 83.0 5.2 12.1<	123 1,787 88.3 9.7 14.4 454 25.4 2.2 3.2 1,333 74.6 175 2,643 88.8 14.2 18.2 601 22.7 2.9 3.7 2,042 77.3 35 2,756 87.9 14.8 24.5 580 21.0 2.7 4.5 2,176 79.0 05 2,194 87.6 13.4 31.7 475 21.6 2.5 6.0 1,719 78.4 108 1,398 86.9 10.6 40.1 289 20.7 1.9 7.2 1,109 79.3 42 1,269 88.0 6.0 57.4 280 22.1 1.2 11.2 989 77.9 80 63 78.8 3.3 23.9 15 23.8 0.6 4.5 48 76.2 08 92 85.2 0.5 6.2 25 27.2 0.1 1.4 67 72.8 662 7,159 88.8 19.2 18.2 1,838 25.7 4.4 4.1 5,321 74.3 108 2,744 83.0 5.2 12.1 767 28.0 1.2 2.8	23 1,787 88.3 9.7 14.4 454 25.4 2.2 3.2 1,333 74.6 6.4 775 2,643 88.8 14.2 18.2 601 22.7 2.9 3.7 2,042 77.3 9.7 35 2,756 87.9 14.8 24.5 580 21.0 2.7 4.5 2,176 79.0 10.3 05 2,194 87.6 13.4 31.7 475 21.6 2.5 6.0 1,719 78.4 9.2 108 1,398 86.9 10.6 40.1 289 20.7 1.9 7.2 1,109 79.3 7.3 42 1,269 88.0 6.0 57.4 280 22.1 1.2 11.2 989 77.9 4.1 80 63 78.8 3.3 23.9 15 23.8 0.6 4.5 48 76.2 2.0 08 92 85.2 0.5 6.2 25 27.2 0.1 1.4 67 72.8 0.3

Table 11a. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States (cont)

			Total				HIV-ı	related			Non-HI	/-related	
		Deaths with	known cause	Rate per	Rate per 1,000		known cause d to HIV	Rate per	Rate per 1,000	Deaths with k not relate		Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa
							2022 (cont)						
Transmission category ^f (cont)													
Female sex at birth (≥13 yr at d	iagnosis) ^g												
Injection drug usei	1,443	1,228	85.1	_	29.5	258	21.0	_	5.3	971	79.0	_	19.8
Heterosexual contact ^j	2,937	2,582	87.9	_	15.0	667	25.9	_	3.4	1,914	74.1	_	9.8
Perinatal* ^k	45	36	79.8	_	7.3	19	53.8	_	3.1	17	46.2	_	2.7
Other ^I	28	25	92.0	_	16.0	5	17.8	_	2.6	21	82.2	_	12.1
Subtotal	4,453	3,871	86.9	3.1	17.6	949	24.5	0.7	3.8	2,922	75.5	2.0	11.6
Child (<13 yr at diagnosis)													
Perinatal	2	2	100	_	1.7	1	50.0	_	0.9	1	50.0	_	0.9
Other ^l	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Subtotal	2	2	100	0.0	1.5	1	50.0	0.0	0.7	1	50.0	0.0	0.7
Region of residence ^m													
Northeast*	4,178	2,977	71.3	7.3	17.4	570	19.1	1.0	2.4	2,407	80.9	4.2	10.0
Midwest*	2,387	1,992	83.5	3.5	17.8	430	21.6	0.6	3.2	1,562	78.4	2.3	11.7
South	8,959	8,581	95.8	7.0	17.4	2,379	27.7	1.8	4.6	6,202	72.3	4.8	12.0
West	3,415	3,116	91.2	4.3	15.4	766	24.6	1.0	3.4	2,350	75.4	3.0	10.6
Total ⁿ	18,939	16,666	88.0	5.7	17.0	4,145	24.9	1.2	3.7	12,521	75.1	3.8	11.3

Abbreviations: pop, population; PWDH, persons with diagnosed HIV infection; CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Deaths of persons with diagnosed HIV infection are based on residence at death. When information on residence at death was unavailable, state at death (where a person's death occurred) was used. When information on both residence at death and state at death (where a person's death occurred) are not available, the most recent known address on or before the date of death is used. Data for the year 2022 are preliminary and based on death data received by CDC as of December 2023. HIV-related deaths include deaths with an underlying cause with an International Classification of Diseases, Tenth Revision code of B20–B24, O98.7, or R75. Non-HIV-related deaths include all other deaths with a known underlying cause. HIV-related deaths and non-HIV-related deaths numbers and percentages exclude deaths with an unknown underlying cause of death data should be interpreted with caution (i.e., <85% of deaths were reported with a known underlying cause of death). Deaths in 2020 and beyond should be interpreted considering the impact of the COVID-19 pandemic. For additional information, see https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm.

a Denominator was calculated as (No. PWDH alive at the end of [year X - 1]) + (No. new diagnoses during year X).

b "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

^C Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

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

^e Hispanic/Latino persons can be of any race.

f Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^g Data include transgender and additional gender identity persons.

h Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

¹ Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

^k Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

m Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used; when both residence at death and state where a person's death occurred were not available, the most recent known address on or before the date of death is used.

ⁿ Includes persons whose race/ethnicity is unknown.

O Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

Table 11b. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

			Total					elated			Non-HI	/-related	
-		Deaths with I		Rate per	Rate per 1,000	Deaths with I related	to HIV	Rate per	Rate per 1,000	Deaths with k not relate	ed to HIV	Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDH ^a
							2018						
Gender													
Man	12,379	11,812	95.4	_	15.7	3,883	32.9	_	4.9	7,929	67.1	_	10.0
Woman	4,052	3,859	95.2	_	16.4	1,328	34.4	_	5.4	2,531	65.6	_	10.3
Transgender woman/girl ^b	122	117	95.9	_	10.1	45	38.5	_	3.7	72	61.5	_	6.0
Transgender man/boyb	5	5	100	_	10.5	1	20.0	_	2.1	4	80.0	_	8.4
Additional gender identity ^c	1	1	100	_	3.4	0	0.0	0.0	0.0	1	100	_	3.4
Age at diagnosis (yr)													
<13	1	1	100	0.0	0.4	1	100	0.0	0.4	0	0.0	0.0	0.0
13–14	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
15–19	9	9	100	0.0	1.4	3	33.3	0.0	0.5	6	66.7	0.0	0.9
20–24	125	120	96.0	0.6	3.6	57	47.5	0.3	1.6	63	52.5	0.3	1.8
25–29	427	410	96.0	1.8	5.4	187	45.6	0.8	2.4	223	54.4	0.9	2.8
30–34	627	596	95.1	2.8	7.0	277	46.5	1.2	3.1	319	53.5	1.4	3.6
35–39	832	798	95.9	3.8	8.6	355	44.5	1.6	3.7	443	55.5	2.0	4.6
40–44	991	934	94.2	5.0	9.9	379	40.6	1.9	3.8	555	59.4	2.8	5.5
45–49	1,635	1,560	95.4	7.8	12.2	597	38.3	2.8	4.5	963	61.7	4.6	7.2
50–54	2,631	2,512	95.5	12.5	15.7	851	33.9	4.0	5.1	1,661	66.1	7.9	9.9
55–59	2,992	2,867	95.8	13.5	20.2	900	31.4	4.1	6.1	1,967	68.6	8.9	13.3
60–64	2,571	2,456	95.5	12.5	26.2	708	28.8	3.4	7.2	1,748	71.2	8.5	17.8
65–69	1,770	1,685	95.2	10.2	33.1	458	27.2	2.7	8.6	1,227	72.8	7.1	22.9
70–74	985	933	94.7	7.3	42.0	242	25.9	1.8	10.3	691	74.1	5.1	29.5
≥75	963	913	94.8	4.3	64.3	242	26.5	1.1	16.2	671	73.5	3.0	44.8
Race/ethnicity													
American Indian/Alaska Native	49	48	98.0	_	17.3	18	37.5	_	6.4	30	62.5	_	10.6
Asian ^d	84	70	83.3	_	5.8	26	37.1	_	1.8	44	62.9	_	3.0
Black/African American	6,986	6,670	95.5	_	16.8	2,333	35.0	_	5.6	4,337	65.0	_	10.4
Hispanic/Latino ^e	3,190	3,025	94.8	_	12.5	1,047	34.6	_	4.1	1,978	65.4	_	7.8
Native Hawaiian/	16	13	81.2	_	20.2	4	30.8	_	5.1	, 9	69.2	_	11.4
other Pacific Islander													
White	5,141	4,904	95.4	_	17.1	1,472	30.0	_	4.9	3,432	70.0	_	11.4
Multiracial	1,093	1,064	97.3	_	18.2	357	33.6	_	5.9	707	66.4	_	11.7
Transmission category ^f	,	,											
Male sex at birth (≥13 yr at diagn	osis)g												
Male-to-male sexual contact ^h	6,951	6,600	95.0	_	12.0	2,293	34.7	_	4.0	4,307	65.3	_	7.4
Injection drug use	2,287	2,213	96.8	_	31.7	2,293 573	25.9	_	7.9	1,640	74.1	_	22.7
Male-to-male sexual contact ^h and	1,472	1,421	96.6	_	24.2	463	32.6	_	7.9 7.6	958	67.4	_	15.8
injection drug use	1,412	1, 4 21	30.0	_	24.2	400	32.0	_	1.0	330	07.4	_	10.0
Heterosexual contact ^j	1,676	1,584	94.5	_	20.5	550	34.7	_	6.7	1,035	65.3	_	12.7
Perinatal ^k		1,364	94.5 96.2		20.5 11.5	36	54. <i>1</i> 65.5	_	7.3	1,035	34.5		3.8
Other ^l	57 59		96.2 93.4	_	20.8		05.5 23.9		7.3 4.6	19 42	34.5 76.1	_	3.8 14.8
Subtotal	12,501	55 11,929	95.4 95.4	9.2	20.8 15.6	13 3,928	23.9 32.9	2.9	4.6 4.9	8,001	76.1 67.1	— 5.9	14.8
อนบโปโสโ	12.501	11,929	90.4	5.2	13.0	3,920	JZ.9	2.9	4.9	0.001	07.1	ა.ყ	10.0

Table 11b. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Total				HIV-r	elated			Non-Hi	V-related	
		Deaths with I		Rate per	Rate per 1,000	relate	known cause d to HIV	Rate per	Rate per 1,000	Deaths with k	nown cause d to HIV	Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa
- • • • • • • • • • • • • • • • • • • •							2018 (cont)						
Transmission category (cont) Female sex at birth (≥13 yr at d	liagnasia\ ^q												
Injection drug use	1,360	1,307	96.1	_	26.6	392	30.0		7.7	915	70.0		17.9
Heterosexual contact ^j	2,631	2.492	94.7	_	14.0	909	36.5	_	4.8	1,583	63.5	_	8.4
Perinatal ^k	38	37	97.1	_	6.7	19	51.4	_	3.3	18	48.6	_	3.2
Other ^l	28	27	97.5	_	16.8	8	28.5		4.7	20	71.5	_	11.7
Subtotal	4.057	3,864	95.2	2.9	16.5	1,328	34.4	0.9	5.4	2,536	65.6	1.8	10.3
Child (<13 yr at diagnosis)	1,001	0,001	00.2	2.0	10.0	1,020	0	0.0	0.1	2,000	00.0	1.0	10.0
Perinatal	1	1	100	_	0.5	1	100	_	0.5	0	0.0	0.0	0.0
Other ^l	Ö	Ö	0.0	0.0	0.0	Ö	0.0	0.0	0.0	Ŏ	0.0	0.0	0.0
Subtotal	1	ĭ	100	0.0	0.4	1	100	0.0	0.4	Õ	0.0	0.0	0.0
Region of residence ^m	•	·			***	•			***	-			
Northeast	3,518	3,439	97.8	6.3	14.9	896	26.1	1.6	3.8	2,543	73.9	4.5	10.8
Midwest	2,010	1,954	97.2	2.9	16.3	609	31.2	0.9	4.9	1,345	68.8	2.0	10.9
South	7.863	7.470	95.0	6.3	16.8	2.744	36.7	2.2	5.9	4,726	63.3	3.8	10.1
West	2,802	2,578	92.0	3.6	13.7	867	33.6	1.1	4.2	1,711	66.4	2.2	8.4
U.S. territories and freely	366	353	96.4	10.2	22.2	141	39.9	3.9	8.5	212	60.1	5.9	12.8
associated states													
Total ⁿ	16,559	15,794	95.4	5.0	15.8	5,257	33.3	1.6	5.0	10,537	66.7	3.2	10.0
		·				·	2019			·			
Gender													
Man	12,565	12,042	95.8	_	15.6	3,627	30.1	_	4.5	8,415	69.9	_	10.4
Woman	3,908	3,765	96.3	_	15.6	1,239	32.9	_	5.0	2,526	67.1	_	10.1
Transgender woman/girl ^b	147	140	95.2	_	11.6	47	33.6	_	3.7	93	66.4	_	7.3
Transgender man/boyb	5	5	100	_	9.6	2	40.0	_	3.8	3	60.0	_	5.8
Additional gender identity ^c	2	2	100	_	6.0	0	0.0	0.0	0.0	2	100	_	6.0
Age at diagnosis (yr)													
<13	2	2	100	0.0	1.0	1	50.0	0.0	0.5	1	50.0	0.0	0.5
13–14	1	1	100	0.0	1.4	1	100	0.0	1.4	0	0.0	0.0	0.0
15–19	11	11	100	0.1	1.8	4	36.4	0.0	0.7	7	63.6	0.0	1.1
20–24	125	117	93.6	0.6	3.7	44	37.6	0.2	1.3	73	62.4	0.3	2.2
25–29	442	425	96.2	1.9	5.6	191	44.9	0.8	2.4	234	55.1	1.0	3.0
30–34	675	644	95.4	3.0	7.1	276	42.9	1.2	2.9	368	57.1	1.6	3.9
35–39	867	835	96.3	3.9	8.8	320	38.3	1.5	3.2	515	61.7	2.3	5.2
40–44	972	926	95.3	4.8	9.6	359	38.8	1.8	3.6	567	61.2	2.8	5.6
45–49	1,436	1,393	97.0	7.0	11.3	521	37.4	2.5	4.1	872	62.6	4.2	6.9
50–54	2,315	2,229	96.3	11.2	14.3	699	31.4	3.4	4.3	1,530	68.6	7.4	9.5
55–59	2,968	2,859	96.3	13.4	19.0	818	28.6	3.7	5.2	2,041	71.4	9.2	13.1
60–64	2,720	2,623	96.4	13.1	25.5	680	25.9	3.3	6.4	1,943	74.1	9.3	18.2
65–69	1,885	1,806	95.8	10.7	31.7	488	27.0	2.8	8.2	1,318	73.0	7.5	22.1
70–74 > 75	1,106	1,045	94.5	7.8	40.4	264 249	25.3	1.9	9.6	781 789	74.7 76.0	5.5	28.5
≥75	1,102	1,038	94.2	4.8	64.0	249	24.0	1.1	14.5	789	/ b.U	3.4	45.8

Vol. 35

Table 11b. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Total				HIV-r	elated			Non-HIV	-related	
		Deaths with k	nown cause	Rate per	Rate per 1,000		known cause I to HIV	Rate per	Rate per 1,000	Deaths with k		Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDHa
							2019 (cont)						
Race/ethnicity													
Ameriçan Indian/Alaska Native	57	56	98.2	_	19.3	20	35.7	_	6.8	36	64.3	_	12.2
Asian ^d	104	92	88.5	_	6.8	33	35.9	_	2.2	59	64.1	_	3.9
Black/African American	7,006	6,702	95.7	_	16.5	2,145	32.0	_	5.1	4,557	68.0	_	10.7
Hispanic/Latino ^e	3,109	2,976	95.7	_	11.8	1,016	34.1	_	3.9	1,960	65.9	_	7.5
Native Hawaiian/	16	14	87.5	_	19.2	7	50.0	_	8.4	7	50.0	_	8.4
other Pacific Islander									_				
White	5,257	5,064	96.3	_	17.3	1,357	26.8	_	4.5	3,707	73.2	_	12.2
Multiracial	1,074	1,049	97.7	_	17.7	336	32.0	_	5.5	713	68.0	_	11.8
Transmission category [†]													
Male sex at birth (≥13 yr at diagn	osis) ^g												
Male-to-male sexual contacth	7,248	6,921	95.5	_	12.1	2,152	31.1	_	3.6	4,769	68.9	_	8.0
Injection drug use ⁱ	2,205	2,136	96.8	_	30.9	551	25.8	_	7.7	1,585	74.2	_	22.2
Male-to-male sexual contacth and	1,421	1,385	97.5	_	23.3	415	29.9	_	6.8	971	70.1	_	15.9
injection drug use ⁱ													
Heterosexual contact	1,736	1,643	94.6	_	21.0	517	31.4	_	6.2	1,126	68.6	_	13.6
Perinatal ^k	43	41	95.2	_	8.6	25	60.8	_	5.0	16	39.2	_	3.2
Other ^l	58	56	95.9	_	20.7	14	25.1	_	5.0	42	74.9	_	14.9
Subtotal	12,712	12,182	95.8	9.3	15.5	3,673	30.2	2.7	4.5	8,509	69.8	6.2	10.4
Female sex at birth (≥13 yr at dia	gnosis) ^g												
Injection drug use ⁱ	1,341	1,305	97.3	_	26.3	329	25.2	_	6.5	976	74.8	_	19.1
Héterosexual contact ^j	2,509	2,404	95.8	_	13.1	874	36.4	_	4.6	1,530	63.6	_	8.0
Perinatal ^k	38	38	100	_	6.5	31	81.0	_	5.2	7	19.0	_	1.2
Other ^l	26	24	90.8	_	15.4	7	31.4	_	4.4	16	68.6	_	9.6
Subtotal	3,913	3,770	96.3	2.7	15.7	1,241	32.9	0.9	5.0	2,529	67.1	1.8	10.1
Child (<13 yr at diagnosis)													
Perinatal	1	1	100	_	0.6	0	0.0	0.0	0.0	1	100	_	0.6
Other ^l	1	1	100	_	2.8	1	100	_	2.8	0	0.0	0.0	0.0
Subtotal	2	2	100	0.0	1.0	1	50.0	0.0	0.5	1	50.0	0.0	0.5
Region of residence ^m													
Northeast	3,646	3,586	98.4	6.5	15.3	877	24.5	1.6	3.7	2,709	75.5	4.8	11.4
Midwest	1,960	1,924	98.2	2.9	15.5	484	25.2	0.7	3.8	1,440	74.8	2.1	11.4
South	7,894	7,497	95.0	6.3	16.4	2,586	34.5	2.1	5.4	4,911	65.5	3.9	10.2
West	2,768	2,599	93.9	3.5	13.2	824	31.7	1.1	3.9	1,775	68.3	2.3	8.5
U.S. territories and freely	359	348	96.9	10.0	21.6	144	41.4	4.0	8.7	204	58.6	5.7	12.3
associated states													
Total ⁿ	16,627	15,954	96.0	5.0	15.5	4,915	30.8	1.5	4.6	11,039	69.2	3.3	10.3
	,	,				.,				,			

Table 11b. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Total				HIV	-related			Non-HI	/-related	
·	Na		known cause	Rate per	Rate per 1,000 PWDH ^a	Deaths with k	to HIV	Rate per	Rate per 1,000 PWDH ^a	Deaths with k	d to HIV	Rate per	Rate per 1,000 PWDH ^a
	No.	No.	%	100,000 pop	PWDH*	No.	%	100,000 pop	PWDH*	No.	%	100,000 pop	PWDH
						2020 (0	COVID-19 pa	ındemic) [∪]					
Gender	14,546	13,977	96.1		17.7	3,674	26.3		4.5	10,303	73.7		12.6
Man Woman	4,734	4,553	96.1	_	18.8	3,674 1,234	20.3 27.1	_	4.5 4.9	3,319	73.7 72.9	_	13.2
Transgender woman/girl ^b	212	206	97.2	_	15.9	55	26.7	_	4.1	151	73.3	_	11.3
Transgender man/boyb	10	10	100	_	18.0	4	40.0	_	7.2	6	60.0	_	10.8
Additional gender identity ^c	0	0	0.0	0.0	0.0	Ö	0.0	0.0	0.0	Ö	0.0	0.0	0.0
Age at diagnosis (yr)													
<13	5	4	80.0	0.0	2.8	1	25.0	0.0	0.6	3	75.0	0.0	1.7
13–14	Ö	Ó	0.0	0.0	0.0	0	0.0	0.0	0.0	Ō	0.0	0.0	0.0
15–19	13	12	92.3	0.1	2.3	1	8.3	0.0	0.2	11	91.7	0.0	2.0
20–24	141	136	96.5	0.6	4.5	46	33.8	0.2	1.5	90	66.2	0.4	2.9
25–29	467	452	96.8	2.0	6.1	175	38.7	0.8	2.3	277	61.3	1.2	3.6
30–34	806	774	96.0	3.5	8.1	270	34.9	1.2	2.7	504	65.1	2.2	5.1
35–39	973	939	96.5	4.4	9.7	351	37.4	1.6	3.5	588	62.6	2.6	5.9
40–44	1,181	1,127	95.4	5.7	11.6	402	35.7	1.9	4.0	725	64.3	3.5	7.1
45–49	1,557	1,494	96.0	7.6	12.9	488	32.7	2.4	4.1	1,006	67.3	4.9	8.4
50–54	2,395	2,313	96.6	11.4	15.5	639	27.6	3.0	4.1	1,674	72.4	8.0	10.9
55–59	3,392	3,279	96.7	15.3	20.8	830	25.3	3.7	5.1	2,449	74.7	11.1	15.0
60–64	3,234	3,114	96.3	15.3	28.3	694	22.3	3.3	6.1	2,420	77.7	11.5	21.2
65–69 70–74	2,399	2,297	95.7	13.3	36.0	490 312	21.3	2.7	7.3	1,807	78.7	10.0	27.1
70–74 ≥75	1,528 1,411	1,462 1,343	95.7 95.2	10.4 6.2	48.7 71.3	312 268	21.3 20.0	2.1 1.2	9.9 13.5	1,150 1,075	78.7 80.0	7.8 4.7	36.7 54.3
Race/ethnicity	1,411	1,040	33.2	0.2	71.5	200	20.0	1.2	10.0	1,075	00.0	4.7	34.3
American Indian/Alaska Native	82	80	97.6	_	26.6	20	25.0	_	6.5	60	75.0	_	19.5
Asian ^d	108	96	88.9	_	6.8	26	27.1	_	1.6	70	73.0 72.9	_	4.4
Black/African American	8,369	8,032	96.0	_	19.4	2,187	27.2	_	5.1	5,845	72.8	_	13.6
Hispanic/Latino ^e	3,811	3,638	95.5	_	14.2	985	27.1	_	3.7	2,653	72.9	_	9.9
Native Hawaiian/	11	11	100	_	12.5	2	18.2	_	2.3	9	81.8	_	10.2
other Pacific Islander													
White	5,801	5,601	96.6	_	18.9	1,405	25.1	_	4.6	4,196	74.9	_	13.7
Multiracial	1,319	1,287	97.6	_	21.7	342	26.6	_	5.6	945	73.4	_	15.6
Transmission category ^f													
Male sex at birth (≥13 yr at diagr	nosis) ^g												
Male-to-male sexual contact ^h	8,378	8,040	96.0	_	13.7	2,238	27.8	_	3.7	5,802	72.2	_	9.5
Injection drug use ⁱ	2,530	2,444	96.6	_	35.9	511	20.9	_	7.3	1,933	79.1	_	27.4
Male-to-male sexual contacth and	1,702	1,659	97.5	_	28.0	419	25.2	_	6.9	1,240	74.8	_	20.4
injection drug use ⁱ	•	,								•			
Heterosexual contact ^j	2,017	1,911	94.8	_	24.2	519	27.1	_	6.2	1,393	72.9	_	16.7
Perinatal ^k	62	62	100	_	11.9	27	44.2	_	5.3	34	55.8	_	6.6
Other ^l	68	65	96.7	_	24.1	14	21.4	_	5.0	51	78.6	_	18.3
Subtotal	14,756	14,181	96.1	10.6	17.7	3,728	26.3	2.7	4.5	10,453	73.7	7.5	12.5

Table 11b. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

-			Total				HIV-ı	related			Non-HI	V-related	
		Deaths with I		Rate per	Rate per 1,000		I to HIV	Rate per	Rate per 1,000	Deaths with k	ed to HIV	Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDH ^a
T						2020 (CO	VID-19 pande	mic) ^o (cont)					
Transmission category [†] (cont) Female sex at birth (≥13 yr at d	iannosis)g												
Injection drug use	1.533	1.491	97.2	_	30.3	341	22.8	_	6.7	1.150	77.2	_	22.7
Heterosexual contact ^j	3,127	2,994	95.7	_	16.2	858	28.7	_	4.4	2,136	71.3	_	11.0
Perinatal ^k	44	43	97.7	_	7.3	31	73.9	_	5.2	11	26.1	_	1.9
Other ^l	38	34	90.5	_	22.1	8	22.9	_	4.6	26	77.1	_	15.4
Subtotal	4,741	4,561	96.2	3.3	18.8	1,238	27.1	0.9	4.9	3,323	72.9	2.3	13.2
Child (<13 yr at diagnosis)		•	75.0		0.7	•	0.0	0.0	0.0	•	400		0.4
Perinatal Other ^l	4 1	3 1	75.0	_	2.7 3.3	0 1	0.0	0.0	0.0 3.3	3	100 0.0	0.0	2.1 0.0
Subtotal	5	4	100 80.0	0.0	3.3 2.8	1	100 25.0	0.0	3.3 0.6	0 3	75.0	0.0	0.0 1.7
Region of residence ^m	3	4	00.0	0.0	2.0	'	23.0	0.0	0.0	3	75.0	0.0	1.7
Northeast	4,525	4,452	98.4	7.9	19.0	794	17.8	1.4	3.3	3,658	82.2	6.4	15.4
Midwest	2,343	2,293	97.9	3.4	18.2	519	22.6	0.8	4.0	1,774	77.4	2.6	13.8
South	9,104	8,705	95.6	7.2	18.6	2,694	30.9	2.1	5.5	6,011	69.1	4.8	12.3
West	3,169	2,943	92.9	4.0	14.9	833	28.3	1.1	3.9	2,110	71.7	2.7	9.9
U.S. territories and freely associated states	361	353	97.8	9.8	21.8	127	36.0	3.5	7.7	226	64.0	6.1	13.7
Total ⁿ	19,502	18,746	96.1	5.8	17.9	4,967	26.5	1.5	4.6	13,779	73.5	4.1	12.7
							2021						
Gender													
Man	15,354	14,851	96.7	_	18.4	3,677	24.8	_	4.4	11,174	75.2	_	13.4
Woman	4,966	4,827	97.2	_	19.5	1,141	23.6	_	4.5	3,686	76.4	_	14.5
Transgender woman/girl ^b	228	220	96.5	_	16.2	54	24.5	_	3.8	166	75.5	_	11.8
Transgender man/boyb	3	3	100	_	4.9	1	33.3	_	1.6	2	66.7	_	3.3
Additional gender identity ^c	1	1	100	_	2.5	0	0.0	0.0	0.0	1	100	_	2.5
Age at diagnosis (yr) <13	1	1	100	0.0	0.6	1	100	0.0	0.6	0	0.0	0.0	0.0
13–14	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0 0	0.0	0.0	0.0
15–14	5	5	100	0.0	0.9	1	20.0	0.0	0.0	4	80.0	0.0	0.7
20–24	112	108	96.4	0.5	3.7	30	27.8	0.1	1.0	78	72.2	0.3	2.6
25–29	490	472	96.3	2.2	6.7	156	33.1	0.7	2.1	316	66.9	1.4	4.3
30–34	929	895	96.3	4.0	8.9	315	35.2	1.4	3.0	580	64.8	2.5	5.5
35–39	1,116	1,087	97.4	5.0	10.9	353	32.5	1.6	3.5	734	67.5	3.3	7.2
40–44	1,244	1,209	97.2	5.9	11.9	385	31.8	1.8	3.7	824	68.2	3.9	7.9
45–49 50–54	1,603 2,365	1,552 2,307	96.8 97.5	8.0 11.2	14.2 15.9	464 565	29.9 24.5	2.3 2.7	4.1 3.8	1,088 1,742	70.1 75.5	5.4 8.3	9.6 11.7
50–54 55–59	2,365 3,516	2,30 <i>1</i> 3,414	97.5 97.1	16.2	21.1	802	24.5 23.5	2.7 3.7	3.8 4.8	2,612	75.5 76.5	6.3 12.0	15.7
60–64	3,430	3,329	97.1 97.1	16.1	28.0	718	23.5	3.4	4.0 5.9	2,612	76.5 78.4	12.0	21.3
65–69	2,607	2,510	96.3	14.1	35.6	537	21.4	2.9	7.3	1,973	78.6	10.7	27.0
70–74	1,657	1,592	96.1	10.8	45.8	300	18.8	2.0	8.3	1,292	81.2	8.4	35.7
≥75	1,477	1,421	96.2	6.4	65.6	246	17.3	1.1	10.9	1,175	82.7	5.1	52.2

Vol. 35

Table 11b. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Total				HIV-r	elated			Non-HIV	/-related	
		Deaths with I	nown cause	Rate per	Rate per 1,000	Deaths with I		Rate per	Rate per 1,000	Deaths with k not relate		Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDH ^a
							2021 (cont)						
Race/ethnicity													
American Indian/Alaska Native	81	79	97.5	_	25.2	24	30.4	_	7.5	55	69.6	_	17.1
Asian ^d	126	111	88.1	_	7.6	41	36.9	_	2.5	70	63.1	_	4.2
Black/African American	8,671	8,455	97.5	_	19.8	2,066	24.4	_	4.7	6,389	75.6	_	14.6
Hispanic/Latino ^e	3,941	3,737	94.8	_	14.2	1,018	27.2	_	3.7	2,719	72.8	_	9.8
Native Hawaiian/	15	13	86.7	_	15.8	4	30.8	_	4.2	, 9	69.2	_	9.5
other Pacific Islander										-			
White	6,216	6,029	97.0	_	20.1	1,328	22.0	_	4.3	4,701	78.0	_	15.2
Multiracial	1,500	1,476	98.4	_	24.7	392	26.6	_	6.5	1,084	73.4	_	17.9
Transmission category ^f	1,000	1,170	00.1			002	20.0		0.0	1,001	10.1		11.0
Male sex at birth (≥13 yr at diagno	nsis) ^g												
Male-to-male sexual contact ^h	8,976	8,662	96.5		14.3	2,255	26.0	_	3.6	6,407	74.0	_	10.2
Injection drug use ⁱ	2,514	2,439	97.0	_	36.2	499	20.4	_	7.2	1,940	79.6	_	27.9
Male-to-male sexual contact ^h and	1,768	1,733	98.0	_	29.2	371	21.4	_	6.1	1,362	78.6	_	22.5
injection drug use	1,700	1,733	30.0	_	23.2	37 1	21.4	_	0.1	1,502	70.0	_	22.5
Heterosexual contact ^j	2,210	2,128	96.3	_	26.3	563	26.5		6.7	1,564	73.5	_	18.6
Perinatal ^k	56	2,120 53	94.7	_	10.7	26	49.1	_	5.0	27	50.9		5.2
Other ^l	59	53 57	94.7 95.8		21.2	20 17	29.5		6.0	40	70.5	_	14.3
			95.6 96.7	 11.1	18.3		29.5 24.8	2.7			70.5 75.2	_	14.3
Subtotal	15,583	15,072	90.7	11.1	10.3	3,731	24.0	2.1	4.4	11,341	75.2	8.1	13.3
Female sex at birth (≥13 yr at diag		4 500	07.0		00.0	070	40.5			4 000	04.5		04.4
Injection drug use ^l	1,537	1,500	97.6	_	30.6	278	18.5	_	5.5	1,222	81.5	_	24.4
Heterosexual contact ^l	3,342	3,245	97.1	_	17.0	823	25.4	_	4.2	2,422	74.6	_	12.3
Perinatal ^k	54	50	92.6	_	8.8	30	60.6	_	4.9	20	39.4	_	3.2
Other ^l	36	34	96.1	-	20.7	10	28.7	-	5.7	24	71.3	_	14.1
Subtotal	4,968	4,829	97.2	3.4	19.5	1,141	23.6	8.0	4.5	3,688	76.4	2.6	14.5
Child (<13 yr at diagnosis)													
Perinatal	1	1	100	_	8.0	1	100	_	0.8	0	0.0	0.0	0.0
Other ^l	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Subtotal	1	1	100	0.0	0.6	1	100	0.0	0.6	0	0.0	0.0	0.0
Region of residence ^m													
Northeast	4,387	4,278	97.5	7.7	18.4	751	17.6	1.3	3.1	3,527	82.4	6.2	14.8
Midwest	2,398	2,344	97.7	3.5	18.3	528	22.5	0.8	4.0	1,816	77.5	2.6	13.9
South	9,828	9,584	97.5	7.7	19.6	2,609	27.2	2.0	5.2	6,975	72.8	5.5	13.9
West	3,569	3,340	93.6	4.5	16.4	849	25.4	1.1	3.9	2,491	74.6	3.2	11.4
U.S. territories and freely	370	356	96.2	10.1	22.3	136	38.2	3.7	8.2	220	61.8	6.0	13.2
associated states	310	330	30.∠	10.1	22.3	130	JU.Z	J.1	0.2	220	01.0	0.0	13.2
Total ⁿ	00 550	40.000	00.0	0.4	40.0	4.070	04.5	4.5		45.000	75.5	4.5	40.0
	20,552	19,902	96.8	6.1	18.6	4,873	24.5	1.5	4.4	15,029	75.5	4.5	13.6

Table 11b. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Total				HIV-r	elated			Non-HI\	/-related	
			known cause	Rate per	Rate per 1,000	Deaths with k related	to HIV	Rate per	Rate per 1,000	Deaths with k not relate	d to HIV	Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDHa	No.	%	100,000 pop	PWDHa
							2022						
Gender													
Man	14,532	12,837	88.3	_	17.0	3,220	25.1	_	3.8	9,617	74.9	_	11.2
Woman	4,522	3,928	86.9	_	17.5	967	24.6	_	3.8	2,961	75.4	_	11.5
Transgender woman/girl ^b	243	207	85.2	_	16.4	54	26.1	_	3.6	153	73.9	_	10.3
Transgender man/boy ^b	7	5	71.4	_	10.6	2	40.0	_	3.0	3	60.0	_	4.5
Additional gender identity ^c	6	6	100	_	12.7	0	0.0	0.0	0.0	6	100	_	12.7
Age at diagnosis (yr)													
<13	2	2	100	0.0	1.5	1	50.0	0.0	0.7	1	50.0	0.0	0.7
13–14	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
15–19	6	5	83.3	0.0	1.2	1	20.0	0.0	0.2	4	80.0	0.0	0.8
20–24	118	105	89.0	0.5	3.9	33	31.4	0.1	1.1	72	68.6	0.3	2.4
25–29	490	428	87.3	2.2	6.8	138	32.2	0.6	1.9	290	67.8	1.3	4.1
30–34	913	795	87.1	3.9	8.3	263	33.1	1.1	2.4	532	66.9	2.3	4.9
35–39	1,099	957	87.1	4.9	10.3	304	31.8	1.4	2.8	653	68.2	2.9	6.1
40–44	1,337	1,181	88.3	6.2	12.4	375	31.8	1.7	3.5	806	68.2	3.7	7.5
45–49	1,359	1,210	89.0	6.8	12.5	371	30.7	1.9	3.4	839	69.3	4.2	7.7
50–54	2,061	1,818	88.2	9.8	14.5	460	25.3	2.2	3.2	1,358	74.7	6.5	9.5
55–59	3,047	2,704	88.7	14.4	18.3	622	23.0	2.9	3.7	2,082	77.0	9.8	12.5
60–64	3,201	2,812	87.8	15.0	24.6	598	21.3	2.8	4.6	2,214	78.7	10.4	17.0
65–69	2,556	2,234	87.4	13.6	31.7	489	21.9	2.6	6.1	1,745	78.1	9.3	21.6
70–74	1,634	1,424	87.1	10.6	39.9	294	20.6	1.9	7.2	1,130	79.4	7.4	27.6
≥75	1,487	1,308	88.0	6.1	57.6	294	22.5	1.2	11.4	1,014	77.5	4.2	39.3
Race/ethnicity	.,	,,,,,								1,0			
American Indian/Alaska Native	80	63	78.8	_	23.9	15	23.8	_	4.5	48	76.2	_	14.3
Asian ^d	108	92	85.2	_	6.2	25	27.2	_	1.4	67	72.8	_	3.8
Black/African American	8,062	7,159	88.8	_	18.2	1,838	25.7	_	4.1	5,321	74.3	_	12.0
Hispanic/Latino ^e	3,678	3,061	83.2	_	12.7	865	28.3	_	3.0	2,196	71.7	_	7.6
Native Hawaiian/	9	3,001	88.9	_	8.8	2	25.0	_	2.0	2,190	75.0	_	5.9
other Pacific Islander	3	O	00.5	_	0.0	2	25.0	_	2.0	U	75.0	_	5.5
White	5,957	5,311	89.2	_	19.0	1,199	22.6	_	3.8	4,112	77.4	_	13.1
Multiracial	1,416	1,289	91.0	_	23.5	299	23.2	_	5.0	990	76.8	_	16.4
_	1,410	1,209	31.0	_	20.0	233	25.2	_	5.0	330	70.0	_	10.4
Transmission category ^f													
Male sex at birth (≥13 yr at diagr	nosis) ⁹												
Male-to-male sexual contacth	8,804	7,766	88.2	_	13.6	2,087	26.9	_	3.2	5,679	73.1	_	8.8
Injection drug use ^I	2,293	1,960	85.5	_	33.4	407	20.8	_	5.9	1,553	79.2	_	22.6
Male-to-male sexual contacth and	1,711	1,560	91.1	_	28.4	330	21.1	_	5.5	1,230	78.9	_	20.5
injection drug use ^l													
Heterosexual contact ^J	1,864	1,662	89.2	_	22.0	418	25.2	_	4.9	1,244	74.8	_	14.7
Perinatal ^k	60	54	90.7	_	11.2	22	40.8	_	4.1	32	59.2	_	6.0
Other ^l	47	46 13,048	97.4	 10.5	16.8	10 3,274	20.8 25.1	2.3	3.4 3.8	36	79.2 74.9	6.9	13.0 11.2
Subtotal	14,779		88.3		17.0					9,774			

Table 11b. Total deaths, HIV-related deaths, and non-HIV-related deaths of persons with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			Total				HIV-	related			Non-Hi	V-related	
		Deaths with I	known cause	Rate per	Rate per 1,000	Deaths with I	known cause I to HIV	Rate per	Rate per 1,000	Deaths with k not relate		Rate per	Rate per 1,000
	No.	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDH ^a	No.	%	100,000 pop	PWDH ^a
							2022 (cont)						
Transmission category (cont)							, ,						
Female sex at birth (≥13 yr at o	diagnosis) ^g												
Injection drug use ⁱ	1,473	1,249	84.8	_	29.5	264	21.1	_	5.3	986	78.9	_	19.8
Heterosexual contact ^j	2,981	2,621	87.9	_	14.9	679	25.9	_	3.4	1,941	74.1	_	9.7
Perinatal ^k	47	38	80.6	_	7.5	20	53.6	_	3.2	18	46.4	_	2.8
Other ^l	28	25	92.0	_	15.9	5	17.8	_	2.6	21	82.2	_	12.0
Subtotal	4,529	3,933	86.8	3.1	17.6	968	24.6	0.7	3.8	2,965	75.4	2.0	11.5
Child (<13 yr at diagnosis)													
Perinatal	2	2	100	_	1.7	1	50.0	_	0.9	1	50.0	_	0.9
Other ^l	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Subtotal	2	2	100	0.0	1.5	1	50.0	0.0	0.7	1	50.0	0.0	0.7
Region of residence ^m													
Northeast	4,178	2,977	71.3	7.3	17.4	570	19.1	1.0	2.4	2,407	80.9	4.2	10.0
Midwest	2,387	1,992	83.5	3.5	17.8	430	21.6	0.6	3.2	1,562	78.4	2.3	11.7
South	8,959	8,581	95.8	7.0	17.4	2,379	27.7	1.8	4.6	6,202	72.3	4.8	12.0
West	3,415	3,116	91.2	4.3	15.4	766	24.6	1.0	3.4	2,350	75.4	3.0	10.6
U.S. territories and freely	371	317	85.4	10.3	22.3	98	30.9	2.7	5.9	219	69.1	6.1	13.2
associated states													
Total ⁿ	19,310	16,983	87.9	5.7	17.1	4,243	25.0	1.3	3.8	12,740	75.0	3.8	11.3

Abbreviations: pop, population; PWDH, persons with diagnosed HIV infection; CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Deaths of persons with diagnosed HIV infection are based on residence at death. When information on residence at death was unavailable, state at death (where a person's death occurred) was used. When information on both residence at death and state at death (where a person's death occurred) are not available, the most recent known address on or before the date of death is used. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data for the year 2022 are preliminary and based on death data received by CDC as of December 2023. HIV-related deaths with an underlying cause with an International Classification of Diseases, Tenth Revision code of B20–B24, O98.7, or R75. Non-HIV-related deaths include all other deaths with a known underlying cause. HIV-related deaths numbers and percentages exclude deaths with an unknown underlying cause. Asterisk (*) indicates cause of death data should be interpreted with a known underlying cause of death). Deaths in 2020 and beyond should be interpreted considering the impact of the COVID-19 pandemic. For additional information, see https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm.

a Denominator was calculated as (No. PWDH alive at the end of [year X - 1]) + (No. new diagnoses during year X).

b "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

^C Additional gender identity examples include "nonbinary," "gender gueer," and "two-spirit."

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

^e Hispanic/Latino persons can be of any race.

f Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^g Data include transgender and additional gender identity persons.

h Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

^k Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

m Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used; when both residence at death and state where a person's death occurred were not available, the most recent known address on or before the date of death is used.

ⁿ Includes persons whose race/ethnicity is unknown.

O Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

Table 12a. Deaths of persons aged ≥13 years with diagnosed HIV infection, by year of death, sex assigned at birth, and selected characteristics, 2018–2022—United States

	20	18	20	19	2020 (Co pande		20	21	20	22
	No.	Rate ^b	No.	Rateb	No.	Rate ^b	No.	Rateb	No.	Rateb
Male sex at birth ^c										
Age at death (yr)										
13–14	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0
15–19	5	0.0	9	0.1	9	0.1	5	0.0	4	0.0
20–24	95	0.9	95	0.9	109	1.0	85	0.7	97	8.0
25–29	345	2.9	370	3.1	365	3.1	386	3.4	398	3.5
30–34	466	4.2	510	4.5	607	5.2	764	6.5	756	6.4
35–39	577	5.4	613	5.6	704	6.3	865	7.7	852	7.5
40–44	634	6.5	641	6.5	818	7.9	874	8.2	932	8.6
45–49	1,129	11.0	982	9.7	1,053	10.3	1,099	11.1	973	9.9
50–54	1,898	18.5	1,666	16.5	1,750	16.8	1,666	15.9	1,471	14.1
55–59	2,252	21.1	2,272	21.4	2,555	23.6	2,580	24.3	2,287	22.0
60–64	1,906	19.6	2,060	20.9	2,449	24.1	2,562	24.9	2,391	23.2
65–69	1,384	17.3	1,485	18.1	1,822	21.4	1,996	23.0	1,950	22.0
70–74	780	12.6	866	13.3	1,176	17.4	1,305	18.4	1,241	17.6
>75 ≥75	740	8.2	862	9.2	1,170	11.5	1,109	11.7	1,132	11.3
	740	0.2	002	3.2	1,004	11.5	1,109	11.7	1,132	11.5
Race/ethnicity										
American Indian/Alaska Native	34	3.5	38	3.9	49	5.0	58	5.8	49	4.9
Asian ^d	73	1.0	96	1.3	91	1.1	104	1.3	96	1.2
Black/African American	4,715	29.7	4,799	29.9	5,738	34.9	5,875	35.5	5,524	33.2
Hispanic/Latino ^e	2,247	9.7	2,195	9.3	2,720	11.1	2,846	11.4	2,642	10.3
Native Hawaiian/other Pacific Islander	12	5.0	9	3.6	10	3.9	15	5.8	8	3.0
White	4,314	5.1	4,482	5.3	4,932	5.8	5,256	6.2	5,087	6.0
Multiracial	816	35.8	810	34.3	940	37.7	1,142	44.3	1,078	40.4
Transmission category ^f										
Male-to-male sexual contact ^g	6,872	_	7,176	_	8,296	_	8,912	_	8,712	_
Injection drug use ^h	2,166	_	2,082	_	2,424	_	2,397	_	2,196	_
Male-to-male sexual contact ^g and injection	1,449	_	1,396	_	1,673	_	1,740	_	1,680	_
drug use ^h	1,110		1,000		1,010		1,7 10		1,000	
Heterosexual contact ⁱ	1,614	_	1,677	_	1,963	_	2,132	_	1,795	_
Perinatal ^j	51	_	41	_	59	_	55	_	56	_
Other ^k	58	_	58	_	68	_	59	_	45	_
·	00		00		00		00			
Region of residence	0.400	40.7	0.500	44.0	2.004	40.4	2 455	40.0	0.007	40.5
Northeast	2,483	10.7	2,599	11.2	3,224	13.4	3,155	13.2	2,987	12.5
Midwest	1,603	5.7	1,574	5.6	1,885	6.6	1,905	6.6	1,897	6.6
South	5,704	11.3	5,865	11.5	6,621	12.7	7,137	13.6	6,638	12.5
West	2,421	7.5	2,394	7.4	2,751	8.3	3,099	9.3	2,962	8.9
Subtotal ^m	12,211	9.1	12,432	9.2	14,481	10.5	15,296	11.0	14,484	10.4
Female sex at birth ^c										
Age at death (yr)										
13–14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15–19	4	0.0	2	0.0	4	0.0	0	0.0	2	0.0
20–24	26	0.2	28	0.3	30	0.3	26	0.2	21	0.2
25–29	74	0.6	66	0.6	100	0.9	96	0.9	85	0.8
30–34	149	1.4	154	1.4	193	1.7	159	1.4	149	1.3
35–39	236	2.2	237	2.2	246	2.3	237	2.2	233	2.1
40–44	328	3.3	292	2.2	332	3.3	339	3.3	382	3.6
45–49	469	4.5	418	4.1	469	3.3 4.7	474	4.8	365	3.7
50–54	469 682	4.5 6.4	576	4.1 5.5	469 599	4.7 5.8	474 656	4.0 6.3	552	5.7 5.3
	669								552 688	
55–59 60, 64		5.9	643	5.7	762 735	6.9	875 910	8.1		6.5
60–64	617	5.8	606	5.7	735	6.9	810	7.5	744	6.9
65–69	353	3.9	374	4.0	538	5.7	565	5.9	555	5.7
70–74	181	2.5	216	2.9	323	4.2	321	4.0	367	4.5
≥75	193	1.5	222	1.7	324	2.5	327	2.4	310	2.2

Table 12a. Deaths of persons aged ≥13 years with diagnosed HIV infection, by year of death, sex assigned at birth, and selected characteristics, 2018–2022—United States (cont)

	20	2018		19	2020 (Co		20	21	20	22
	No.	Rateb	No.	Rateb	No.	Rate ^b	No.	Rateb	No.	Rateb
Female sex at birth ^c (cont)										
Race/ethnicity										
American Indian/Alaska Native	15	1.5	19	1.9	33	3.3	23	2.2	30	2.9
Asian ^d	11	0.1	8	0.1	16	0.2	21	0.2	12	0.1
Black/African American	2,269	12.8	2,202	12.3	2,625	14.5	2,793	15.3	2,538	13.8
Hispanic/Latino ^e	583	2.6	565	2.4	736	3.1	730	3.0	666	2.7
Native Hawaiian/other Pacific Islander	1	0.4	5	2.0	1	0.4	0	0.0	1	0.4
White	826	0.9	773	0.9	865	1.0	959	1.1	869	1.0
Multiracial	276	11.4	261	10.4	379	14.5	357	13.3	337	12.1
Transmission category ^f										
Injection drug useh	1,327	_	1,311	_	1,507	_	1,516	_	1,443	_
Heterosexual contacti	2,590	_	2,462	_	3,067	_	3,279	_	2,937	_
Perinatal ^j	36	_	37	_	44	_	54	_	45	_
Other ^k	28	_	25	_	38	_	36	_	28	_
Region of residence										
Northeast	1,034	4.2	1,047	4.2	1,299	5.2	1,232	4.9	1,191	4.8
Midwest	407	1.4	385	1.3	458	1.6	493	1.7	490	1.7
South	2,159	4.0	2,028	3.7	2,481	4.6	2,690	4.9	2,320	4.2
West	381	1.2	374	1.1	417	1.3	470	1.4	452	1.4
Subtotal ^m	3,981	2.8	3,834	2.7	4,655	3.3	4,885	3.4	4,453	3.1
Total ^m	16,192	5.9	16,266	5.9	19,136	6.8	20,181	7.2	18,937	6.7

Note. Deaths of persons with a diagnosis of HIV infection may be due to any cause. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Deaths in 2020 and beyond should be interpreted considering the impact of the COVID-19 pandemic. For additional information, see https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

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

^C Data include transgender and additional gender identity persons.

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

^e Hispanic/Latino persons can be of any race.

Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

g Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

h Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

^j Persons were aged ≥13 years at time of diagnosis of HIV infection.

K Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used; when both residence at death and state where a person's death occurred were not available, the most recent known address on or before the date of death is used.

^m Includes persons whose race/ethnicity is unknown.

Table 12b. Death of persons aged ≥13 years with diagnosed HIV infection, by year of death, sex assigned at birth, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

	20	18	20	19	2020 (Co pande		20	21	20	22
-	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rateb
Male sex at birth ^c										
Age at death (yr)										
13–14	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0
15–19	5	0.0	9	0.1	9	0.1	5	0.0	4	0.0
20–24	99	0.9	97	0.9	111	1.0	86	0.7	97	8.0
25–29	352	2.9	374	3.1	367	3.1	393	3.4	404	3.5
30–34	474	4.2	515	4.5	611	5.2	769	6.5	764	6.4
35–39	590	5.4	624	5.7	723	6.4	875	7.7	862	7.6
40–44	657	6.6	669	6.7	843	8.0	901	8.4	949	8.7
45–49	1,155	11.1	1,009	9.9	1,074	10.4	1,123	11.2	989	9.9
50–54	1,936	18.7	1,726	16.9	1,785	17.0	1,704	16.1	1,500	14.2
55–59	2,308	21.4	2,313	21.5	2,613	23.9	2,625	24.5	2,345	22.4
60–64	1,947	19.8	2,103	21.1	2,485	24.2	2,606	25.1	2,440	23.4
65–69	1,412	17.4	1,508	18.2	1,853	21.6	2,031	23.1	1,991	22.2
70–74	801	12.7	885	13.4	1,200	17.5	1,323	18.5	1,264	17.7
≥75	765	8.3	879	9.2	1,082	11.5	1,142	11.9	1,170	11.5
Race/ethnicity										
American Indian/Alaska Native	34	_	38	_	49	_	58	_	49	_
Asian ^d	73	_	96	_	92	_	105	_	96	_
Black/African American	4,716	_	4,803	_	5,739	_	5,877	_	5,524	_
Hispanic/Latino ^e	2,533	_	2,465	_	2,991	_	3,129	_	2,936	_
Native Hawaiian/other Pacific Islander	13	_	11	_	10	_	15	_	8	_
White	4,315	_	4,484	_	4,934	_	5,257	_	5,087	_
Multiracial	817	_	812	_	940	_	1,142	_	1,079	_
Transmission category ^f										
Male-to-male sexual contact ^g	6,951	_	7,248	_	8,378	_	8,976	_	8,804	_
Injection drug useh	2,287	_	2,205	_	2,530	_	2,514	_	2,293	_
Male-to-male sexual contact ^g and injection drug use ^h	1,472	_	1,421	_	1,702	_	1,768	_	1,711	_
Heterosexual contact ⁱ	1,676	_	1,736	_	2,017	_	2,210	_	1,864	_
Perinatal ^j	57	_	43	_	62	_	56	_	60	_
Other ^k	59	_	58	_	68	_	59	_	47	_
Region of residence										
Northeast	2,483	10.7	2,599	11.2	3,224	13.4	3,155	13.2	2,987	12.5
Midwest	1,603	5.7	1,574	5.6	1,885	6.6	1,905	6.6	1,897	6.6
South	5,704	11.3	5,865	11.5	6,621	12.7	7,137	13.6	6,638	12.5
West	2,421	7.5	2,394	7.4	2,751	8.3	3,099	9.3	2,962	8.9
U.S. territories and freely associated states	290	19.7	280	18.9	275	18.1	287	18.9	295	19.6
Subtotal ^m	12,501	9.2	12,712	9.3	14,756	10.6	15,583	11.1	14,779	10.5
Female sex at birth ^b			•		,		•		·	
Age at death (yr)	0	0.0	٥	0.0	0	0.0	٥	0.0	٥	0.0
13–14	0 4	0.0	0	0.0 0.0	0	0.0 0.0	0	0.0	0	0.0
15–19 20–24	26	0.0 0.2	2 28	0.0	4 30	0.0	0 26	0.0 0.2	2 21	0.0 0.2
25–29	75	0.2	68	0.5	100	0.3	20 97	0.2	86	0.2
30–34	153	1.4	160	1.4	195	1.7	160	1.4	149	1.3
35–39	242	2.2	243	2.2	250	2.3	241	2.2	237	2.1
40–44	334	3.3	303	3.0	338	3.3	343	3.3	388	3.6
45–49	480	4.5	427	4.1	483	3.3 4.7	480	4.8	370	3.7
50–54	695	6.5	589	5.6	610	5.8	661	6.3	561	5.3
55–59	684	6.0	655	5.8	779	6.9	891	8.1	702	6.5
60–64	624	5.8	617	5.7	749	6.9	824	7.5	761	6.9
65–69	358	3.9	377	4.0	546	5.8	576	6.0	565	5.7
70–74	184	2.5	221	2.9	328	4.2	334	4.1	370	4.5
	198	2.5 1.5	221	2.9 1.7		4.2 2.5	335	4.1 2.5	317	2.2
≥75	านx	1 2	// <	1 /	329	/ 5	445	/ ^	317	, ,

Table 12b. Death of persons aged ≥13 years with diagnosed HIV infection, by year of death, sex assigned at birth, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

	20	18	20	19	pande	emic) ^a	20	21	20	22
	No.	Rateb	No.	Rateb	No.	Rateb	No.	Rate ^b	No.	Rateb
Female sex at birth ^b (cont)										
Race/ethnicity										
American Indian/Alaska Native	15	_	19	_	33	_	23	_	30	_
Asian ^d	11	_	8	_	16	_	21	_	12	_
Black/African American	2,269	_	2,202	_	2,627	_	2,794	_	2,538	_
Hispanic/Latino ^e	657	_	643	_	820	_	811	_	742	_
Native Hawaiian/other Pacific Islander	3	_	5	_	1	_	0	_	1	_
White	826	_	773	_	865	_	959	_	869	_
Multiracial	276	_	262	_	379	_	358	_	337	_
Transmission category ^f										
Injection drug use ^h	1,360	_	1,341	_	1,533	_	1,537	_	1,473	_
Heterosexual contacti	2,631	_	2,509	_	3,127	_	3,342	_	2,981	_
Perinatal ^j	38	_	38	_	44	_	54	_	47	_
Other ^k	28	_	26	_	38	_	36	_	28	_
Region of residence										
Northeast	1,034	4.2	1,047	4.2	1,299	5.2	1,232	4.9	1,191	4.8
Midwest	407	1.4	385	1.3	458	1.6	493	1.7	490	1.7
South	2,159	4.0	2,028	3.7	2,481	4.6	2,690	4.9	2,320	4.2
West	381	1.2	374	1.1	417	1.3	470	1.4	452	1.4
U.S. territories and freely associated states	76	4.6	79	4.8	86	5.1	83	4.9	76	4.5
Subtotal ^m	4,057	2.9	3,913	2.7	4,741	3.3	4,968	3.4	4,529	3.1
Total ^m	16,558	6.0	16,625	6.0	19,497	6.9	20,551	7.2	19,308	6.8

Note. Deaths of persons with a diagnosis of HIV infection may be due to any cause. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Deaths in 2020 and beyond should be interpreted considering the impact of the COVID-19 pandemic. For additional information, see https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution.

a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

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

^c Data include transgender and additional gender identity persons.

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

^e Hispanic/Latino persons can be of any race.

f Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

g Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

h Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

¹ Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

Persons were aged ≥13 years at time of diagnosis of HIV infection.

^k Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used; when both residence at death and state where a person's death occurred were not available, the most recent known address on or before the date of death is used.

^m Includes persons whose race/ethnicity is unknown.

Table 13a. Deaths of persons with diagnosed HIV infection, by race/ethnicity and selected characteristics, 2022—United States

	American Indian/ Alaska Native Asian ^a			· a		African		n e h	other	Hawaiian/ Pacific	1411	.,	8.8 141		-	. 10
-	No.	Rate ^d	No.	ran ^u Rate ^d	No.	rican Rate ^d	No.	c/Latino ^b Rate ^d	No.	ander Rate ^d	No.	nite Rate ^d	No.	racial Rate ^d	No.	tal ^c Rate ^d
Gender	NO.	Nate	NO.	Nate	NO.	Nate	NO.	Nate	NO.	Nate	NO.	Nate	NO.	Nate	NO.	Nate
Man	48	_	95	_	5,411	_	2,574		7		5,046		1,056	_	14,237	
Woman	31				2,534	_	2,574 664	_	1	_	868	_	336	_	4,446	_
	1	_	12	_		_	68	_	1	_		_		_		_
Transgender woman/girl ^e	-	_	1	_	110	_		_	-	_	41	_	21	_	243	_
Transgender man/boy ^e	0	_	0	_	4	_	1	_	0	_	1 1	_	1 1	_	7	_
Additional gender identity ^f	0	_	0	_	3	_	1	_	0	_	Į	_	ļ	_	6	_
Age at death (yr)																
<13	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	2	0.0
13–14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15–19	0	0.0	0	0.0	5	0.2	0	0.0	0	0.0	1	0.0	0	0.0	6	0.0
20–24	0	0.0	1	0.1	63	2.0	29	0.5	0	0.0	17	0.1	8	1.0	118	0.5
25–29	7	3.9	4	0.3	228	7.1	123	2.5	0	0.0	95	0.8	26	4.1	483	2.2
30–34	6	3.2	7	0.4	455	13.5	177	3.7	1	1.9	202	1.6	57	10.8	905	3.9
35–39	12	7.3	6	0.3	462	16.0	252	5.5	1	1.9	273	2.2	79	19.2	1,085	4.9
40–44	10	6.7	3	0.2	571	20.8	260	5.8	0	0.0	358	3.0	112	31.4	1,314	6.1
45–49	4	2.9	18	1.2	562	22.7	299	7.4	1	2.5	357	3.2	97	33.7	1,338	6.8
50–54	6	4.3	10	0.7	872	33.9	381	10.5	0	0.0	579	4.5	175	66.0	2,023	9.7
55–59	8	4.3 5.5	11	0.7		33.9 47.7	498	16.0	3	8.5	989	4.5 7.2	246		2,023	
	-				1,220									105.1		14.2
60–64	9	6.2	17	1.6	1,357	55.6	470	18.5	0	0.0	1,030	7.0	252	113.2	3,135	14.8
65–69	11	9.0	12	1.3	1,088	54.5	371	19.4	1	3.9	846	6.3	176	97.2	2,505	13.4
70–74	3	3.2	10	1.3	670	45.4	227	16.7	0	0.0	597	5.3	101	75.6	1,608	10.6
≥75	3	2.3	9	8.0	509	25.6	221	11.0	2	7.5	612	3.3	86	43.5	1,442	6.0
Transmission category ^g																
Male sex at birth (≥13 yr at death) ^h																
Male-to-male sexual contact ⁱ	25		72		2,817		1,557		7	_	3,648	_	587		8,712	
Injection drug use ^j	9	_	9	_	994	_	491	_	0		518		175	_	2,196	_
Male-to-male sexual contact ⁱ and	9	_	5		479	_	339	_	0	_	654	_	194	_	1,680	_
	9	_	5	_	479	_	339	_	U	_	004	_	194	_	1,000	_
injection drug use ^j	-		40		4.404		000				0.40		444		4 705	
Heterosexual contact ^k	7	_	10	_	1,194	_	230	_	1	_	240	_	114	_	1,795	_
Perinatal ^l	0	_	0	_	27	_	14	_	0	_	9	_	6	_	56	_
Other ^m	0	_	0	_	13	_	10	_	0	_	19	_	2	_	45	_
Subtotal	49	4.9	96	1.2	5,524	33.2	2,642	10.3	8	3.0	5,087	6.0	1,078	40.4	14,484	10.4
Female sex at birth (≥13 yr at death) ^h																
Injection drug use ^j	10	_	3	_	687	_	231	_	0	_	389	_	124	_	1,443	_
Heterosexual contact ^k	19	_	9	_	1,811	_	425	_	1	_	465	_	207	_	2,937	_
Perinatal ^l	0	_	0	_	30	_	8	_	0	_	3	_	4	_	45	_
Other ^m	1	_	0	_	11	_	2	_	0	_	12	_	2	_	28	_
Subtotal	30	2.9	12	0.1	2,538	13.8	666	2.7	1	0.4	869	1.0	337	12.1	4,453	3.1
	00	2.5	14	0.1	۷,000	10.0	500	2.1	1	٠.٦	505	1.0	001	14.1	- 7, - 700	0.1
Child (<13 yr at death)	4		^		^		^		^		4		^		0	
Perinatal	1	_	0	_	0	_	0	_	0	_	1	_	0	_	2	_
Other ^m Subtotal	0	_	0	_	0	_	0	_	0	_	0	_	0	_	0	_
	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	2	0.0

Table 13a. Deaths of persons with diagnosed HIV infection, by race/ethnicity and selected characteristics, 2022—United States (cont)

		an Indian/ a Native	As	ian ^a		African erican	Hispani	c/Latino ^b	other	Hawaiian/ Pacific ander	W	hite	Multi	racial	То	ıtal ^c
	No.	Rated	No.	Rate ^d	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rate ^d	No.	Rated
Region of residence ⁿ																
Northeast	0	0.0	15	0.4	1,635	25.2	1,175	13.2	0	0.0	947	2.6	406	37.6	4,178	7.3
Midwest	9	2.2	15	0.6	1,039	14.2	163	2.7	0	0.0	975	1.9	186	12.1	2,387	3.5
South	25	3.1	21	0.4	4,800	19.5	999	4.1	2	1.8	2,537	3.6	575	21.1	8,959	7.0
West	46	4.3	57	0.7	588	16.1	971	4.0	7	1.5	1,498	3.9	248	9.3	3,415	4.3
Total	80	3.3	108	0.5	8,062	19.2	3,308	5.2	9	1.4	5,957	3.0	1,415	17.7	18,939	5.7

Note. Deaths of persons with a diagnosis of HIV infection may be due to any cause. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. 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 Hispanic/Latino persons can be of any race.

^c Includes persons whose race/ethnicity is unknown.

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

e "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

f Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

⁹ Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

h Data include transgender and additional gender identity persons.

includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

^k Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

Persons were aged ≥13 years at time of diagnosis of HIV infection.

^m Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

ⁿ Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used; when both residence at death and state where a person's death occurred were not available, the most recent known address on or before the date of death is used.

Table 13b. Deaths of persons with diagnosed HIV infection, by race/ethnicity and selected characteristics, 2022—United States and 6 territories and freely associated states

	Native Hawaiian/ American Indian/ Black/African other Pacific											
	Alaska Native	Asian ^a	American	Hispanic/Latino ^b	Islander	White	Multiracial	Total ^c				
	No.	No.	No.	No.	No.	No.	No.	No.				
Gender												
Man	48	95	5,411	2,868	7	5,046	1,057	14,532				
Woman	31	12	2,534	740	1	868	336	4,522				
Transgender woman/girl ^d	1	1	110	68	1	41	21	243				
Transgender man/boy ^d	0	0	4	1	0	1	1	7				
Additional gender identity ^e	0	0	3	1	0	1	1	6				
Age at death (yr)												
<13	1	0	0	0	0	1	0	2				
13–14	0	0	0	0	0	0	0	0				
15–19	0	0	5	0	0	1	0	6				
20–24	0	1	63	29	0	17	8	118				
25–29	7	4	228	130	0	95	26	490				
30–34	6	7	455	185	1	202	57	913				
35–39	12	6	462	266	1	273	79	1,099				
40–44	10	3	571	283	Ö	358	112	1,337				
45–49	4	18	562	320	1	357	97	1,359				
50–54	6	10	872	419	0	579	175	2,061				
55–5 4 55–59	8	11	1,220	570	3	989	246	3,047				
60–64	9	17	1,357	536	0	1,030	252	3,201				
65–69	11	12	1,088	421	1	846	177	2,556				
70–74	3	10	670	253	0	597	101	1,634				
≥75	3	9	509	266	2	612	86	1,487				
Transmission category ^f												
Male sex at birth (≥13 yr at death) ⁹												
Male-to-male sexual contact ^h	25	72	2,817	1,649	7	3,648	587	8,804				
Injection drug use ⁱ	9	9	994	588	0	518	175	2,293				
Male-to-male sexual contact ^h and injection drug use ⁱ	9	5	479	370	0	654	195	1,711				
Heterosexual contact ^j	7	10	1,194	299	1	240	114	1,864				
Perinatal ^k	0	0	27	18	0	9	6	60				
Other ^l	0	0	13	12	0	19	2	47				
Subtotal	49	96	5,524	2,936	8	5,087	1,079	14,779				
Female sex at birth (≥13 yr at death) ^g	10	00	0,021	2,000	Ŭ	0,001	1,070	11,110				
Injection drug use ⁱ	10	3	687	261	0	389	124	1,473				
Heterosexual contact ^j	19	9	1,811	469	1	465	207	2,981				
Perinatal ^k	0	Ő	30	10	Ó	3	4	47				
Other ¹	1	0	11	2	0	12	2	28				
Subtotal	30	12	2,538	742	1	869	337	4,529				
	50	12	2,000	144	I	003	331	4,523				
Child (<13 yr at death)	4	^	^	^	0	4	^	0				
Perinatal	1	0	0	0	0	1	0	2				
Other ^I	0	0	0	0	0	0	0	0				
Subtotal	1	0	0	0	0	1	0	2				

Table 13b. Deaths of persons with diagnosed HIV infection, by race/ethnicity and selected characteristics, 2022—United States and 6 territories and freely associated states (cont)

	American Indian/ Alaska Native	A sian ^a	Black/African American	Hispanic/Latino ^b	Native Hawaiian/ other Pacific Islander	White	Multiracial	Total ^c
	No.	No.	No.	No.	No.	No.	No.	No.
Region of residence ^m								
Northeast	0	15	1,635	1,175	0	947	406	4,178
Midwest	9	15	1,039	163	0	975	186	2,387
South	25	21	4,800	999	2	2,537	575	8,959
West	46	57	588	971	7	1,498	248	3,415
U.S. territories and freely associated states	0	0	0	370	0	0	1	371
Total	80	108	8,062	3,678	9	5,957	1,416	19,310

Note. Deaths of persons with a diagnosis of HIV infection may be due to any cause. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data reported for freely associated states do not include the Marshall Islands or Federated States of Micronesia who do not report HIV surveillance data to CDC. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Numbers less than 12 should be interpreted with caution.

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

b Hispanic/Latino persons can be of any race.

^c Includes persons whose race/ethnicity is unknown.

d "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

^e Additional gender identity examples include "nonbinary," "gender gueer," and "two-spirit."

Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

g Data include transgender and additional gender identity persons.

h Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Heterosexual contact with a person known to have, or with a risk factor for. HIV infection.

^k Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

m Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used; when both residence at death and state where a person's death occurred were not available, the most recent known address on or before the date of death is used.

Table 14a. Deaths of transgender and additional gender identity persons aged ≥13 years with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States

	2020 (COVID-19				
	2018 No.	2019 No.	pandemic) ^a	2021 No.	2022 No.
h	No.	No.	No.	No.	No.
ransgender woman ^b Age at death (yr)					
13–14	0	0	0	0	0
15–19	Ö	0	0	0	0
20–24	1	5	7	5	4
25–29	12	17	18	12	17
30–34 35–39	10	19 17	30	44 33	50 41
55–59 10–44	14 12	17	29 24	33 29	21
15–49	12	17	27	16	22
50–54	20	17	21	20	22 35 23
55–59	18	17	25	30	23
60–64	11	12	14	20	16
65–69 70–74	7 4	4 3	12 4	9 6	10 2
°0–74 ≥75	0	0	0	3	2
	O	U	U	0	2
Race/ethnicity American Indian/Alaska Native	2	1	4	5	1
Asian ^c	2	1	3	2	i
Black/African American	47	69	107	104	110
Hispanic/Latino ^d	36	33	54	66	68
Native Hawaiian/other Pacific Islander	0	0	1	0	1
White Multiracial	21 13	24 17	23 19	25 25	41 21
	13	17	19	20	21
Exposure category^e Sexual contact ^f	80	99	146	169	178
	80 0	99 1	146	0	0
njection drug use ^s Sexual contact ^t and injection drug use ^g Other ^h	39	39	58	51	54
Other ^h	2	6	5	7	11
Region of residence ⁱ					
Vortheast	33	39	61	57	55
Midwest	11	22	22	27	32
South	43	55	73	82	95
Vest u btotal	34	29 145	55 211	61	61 243
	121	140	211	227	243
ransgender man ^b					
Age at death (yr)	_		_	_	
13–14	0	0	0	0	0
15–19 20–24	0 0	0 0	0	0 0	1 0
25–29	0	1	1	0	0
30–34	Ŏ	Ó	1	ŏ	ĭ
35–39	Ö	Ö	1	Ö	2
10–44	0	0	2	0	1
15–49 	2	0	1	0	1
50–54 55–59	1	1 1	0	0	0
55–59 60–64	0	2	1	2	0
00-04 05-69	0	0	Ó	0	1
70–74	Ĭ	Ö	Ö	Ö	Ö
2 75	0	0	1	0	0
Race/ethnicity					
American Indian/Alaska Native	0	0	0	0	0
Asian ^C	0	0	0	0	0
Black/African American Hispanic/Latino ^d	0 2	1 2	3	2 1	4
Native Hawaiian/other Pacific Islander	0	0	2 0	0	0
Vhite	2	1	2	Ö	1
Multiracial	<u>-</u>	1	3	Ö	1
Exposure catęgory ^e					
Sexual contact ^r	0	3	6	1	4
njection drug use ^g	0	0	O ₁	0	0
Sexual contact ¹ and injection drug use ⁹	5	1	4	2	2
Other ^h	0	1	0	0	1
			•		-
	•		7		2
Northeast	0	1	2	1	3
Region of residence ⁱ Northeast Midwest South	1	1 1 3	1	1 1 1	1
Northeast		1 1 3 0		1 1 1 0	

Table 14a. Deaths of transgender and additional gender identity persons aged ≥13 years with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States (cont)

			2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.
Additional gender identity ^j					
Age at death (yr)					
13–14	0	0	0	0	0
15–19	ŏ	0	Ŏ	Ô	0
20–24	0	0	0	0	1
25–29	0	0	0	0	1
25–29 30–34	0	0	0	0	2
30-34	0	0	0	0	0
35–39	0	0	0	0	1
40–44	0	1	Q	0	0
45–49	0	0	0	0	0
50–54	0	0	0	0	0
55–59	1	0	0	0	0
60–64	0	0	0	1	0
65–69	Ô	Ô	Ô	Ò	1
70–74	ñ	ĭ	ñ	ň	1
≥75	0	Ó	Õ	Õ	Ó
	· ·	U	U	U	U
Race/ethnicity					
American Indian/Alaska Native	0	0	0	0	0
Asian ^c	0	0	0	0	0
Black/African American	0	2	0	0	3
Hispanic/Latino ^d	1	0	0	0	1
Native Hawaiian/other Pacific Islander	Ò	Õ	Õ	Ď	'n
White	ň	Ô	ň	ñ	1
Multiracial	0	0	0	1	1
	O	U	0	ı	,
Exposure category ^e					
Sexual contact ¹	0	1	0	1	6
Injection drug use ^g Sexual contact ^f and injection drug use ^g	0	0	0	0	0
Sexual contact ^f and injection drug use ^g	1	1	0	0	0
Other ^h	0	0	0	0	0
Region of residence ⁱ	·	•	·	·	•
	٥	1	٥	4	0
Northeast	U	ļ	U	1	2
Midwest	Ü	1	Ü	Ü	1
South	Ö	0	Ü	Ü	1
West	1	0	0	0	2
Subtotal	1	2	0	1	6
Total	127	152	221	231	256

Note. Deaths of persons with a diagnosis of HIV infection may be due to any cause. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Deaths in 2020 and beyond should be interpreted considering the impact of the COVID-19 pandemic. For additional information, see https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess deaths.htm. Numbers less than 12, and trends based on these numbers, should be interpreted with caution.

a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

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

^d Hispanic/Latino persons can be of any race.

e Risk factor data for transgender and additional gender identity persons aged ≥13 years are presented using the exposure category classification, which is meant to convey all the known ways the person could have been exposed to HIV. Exposure categories are mutually exclusive and have no presumed hierarchical order of probability, except for rare circumstances where route of transmission has been confirmed through investigation. See Technical Notes for more information on exposure categories.

f For persons assigned "male" sex at birth, sexual contact with any person. For persons assigned "female" sex at birth, sexual contact with a person assigned "male" sex at birth.

⁹ Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

h Other risk factors, including perinatal transmission, hemophilia, blood transfusion, and risk factor not reported or not identified. Data were not statistically adjusted to account for missing exposure category; therefore, case counts for "Other" might be high.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html.

Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used; when both residence at death and state where a person's death occurred were not available, the most recent known address on or before the date of death is used.

Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

Table 14b. Deaths of transgender and additional gender identity persons aged ≥13 years with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

una solottaa sharastoriotioo, 20			2020 (COVID-19		
	2018 No.	2019 No.	pandemic) ^a No.	2021 No.	2022 No.
ransgender woman ^b	110.	110.	110.	NO.	1101
Age at death (yr)					
13–14	0	0	0	0	0
15–19	0	0	0	0	0
20–24	1	5	7	5	4
25–29	12 10	17 10	18 30	12 44	17 50
30–34 35–39	14	19 17	30 29	34	41
40–44	12	17	24	29	21
45–49	12	18	27	16	22
50–54	20	17	22	20	35 23
55–59	18	17	25	30	23
60–64 65–69	11 7	12	14 12	20 9	16 10
70–74	5	5 3	4	6	2
>75 ≥75	ŏ	Ö	Õ	3	2
Race/ethnicity		·	·	· ·	_
American Indian/Alaska Native	2	1	4	5	1
Asian ^c	2 2 47	1	3	2	. 1
Black/African American Hispanic/Latino ^d	47	69 35	107	104	110
Native Hawaiian/other Pacific Islander	37 0	35 0	55 1	67 0	68 1
White	21	24	23	25	41
Multiracial	13	17	19	25	21
Exposure category ^e					
Sexual contact ^r	81	99	147	169	178
Injection drug useg	0	.1	2	0	_0
Sexual contact ^f and injection drug use ^g	39 2	41	58	52	54
Other ^h Region of residence ⁱ	Z	6	5	7	11
Northeast	33	39	61	57	55
Midwest	11	22	22	27	32
South	43	55	73	82	95
West	34	29	55	61	61
U.S. territories and freely associated states	1	2	1	1	0
Subtotal	122	147	212	228	243
ransgender man ^b					
Age at death (yr)	٥	0	0	0	0
13–14 15–19	0 0	0 0	0	0 0	0 1
20–24	0	0	1	0	Ó
25–29		1	1	Ö	ŏ
30–34	0 0	0	1	0	1
35–39	0	0	1	0	2
40–44	0	0	2	0	1
45–49 50–54	<u> </u>	U 1	n O	0	1 0
55–59	1	1	0 1	1	0
60–64	Ó	2	1	2	ŏ
65-69	Ö	0	0	0	1
70–74	1	0	0	0	0
≥75	0	0	1	0	0
Race/ethnicity	0	Λ	Λ	Λ	0
American Indián/Alaska Native Asian ^c	0 0	0 0	0	0 0	0
Black/African American	0	1	3	2	4
Hispanic/Latino ^d	2	2	2	<u>-</u>	1
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	2	1	2	0	1
Multiracial	1	1	3	0	1
Exposure category ^e Sexual contact ^f	0	3	G	1	4
Sexual contact Injection drug yse ^g	0	0	6 0	0	0
Sexual contact ^r and injection drug use ^g	5	ĭ	4	2	2
Other ^h	Ŏ	1	Ö	0	1
Region of residence ⁱ					
Northeast	0	1	2	1	3
	1	1	1	1	1
Midwest	^				
South	3	3	4	1	1
	3 1 0	3 0 0	4 3 0	1 0 0	1 2 0

Table 14b. Deaths of transgender and additional gender identity persons aged ≥13 years with diagnosed HIV infection, by year of death and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.
Additional gender identity ^j					
Age at death (yr)					
13–14	0	0	0	0	0
15–19	n	0	Ô	Û	0
20–24	Û	0	0	0	1
25–29	Ů	0	ň	0	2
30–34	Ů	0	ň	0	0
35–39	Ů	0	0	0	1
40–44	0	1	0	0	,
45–49	0	0	0	0	0
50–54	0	0	0	0	0
55–59	U 1	0	0	0	0
60–64	1	0	0	0	0
	0	Ü	0	1	0
65–69	0	U	0	U	1
70–74	0	1	0	0	1
≥75	0	Ü	0	0	0
Race/ethnicity			_		
American Indian/Alaska Native	0	0	0	0	0
Asian ^c	0	0	0	0	0
Black/African American	0	2	0	0	3
Hispanic/Latino ^d	1	0	0	0	1
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	0	0	0	0	1
Multiracial	0	0	0	1	1
Exposure category ^e Sexual contact ^f	0	1	0	1	6
Injection drug useg	Õ	Ò	Õ	Ò	Õ
Sexual contact ^f and injection drug use ^g	ĭ	ĭ	Õ	Ŏ	Õ
Other ^h	'n	Ó	Ô	Ŏ	ñ
Region of residence ⁱ	v	v	•	v	Ū
Northeast	Λ	1	Λ	1	2
Midwest	Û	1	0	'n	1
South	Û	Ů	0	Û	1
West	1	0	0	0	1
U.S. territories and freely associated states	1	0	0	0	2
Subtotal	1	2	0	1	6
	100	_	· ·	1	Ū
Total	128	154	222	232	256

Note. Deaths of persons with a diagnosis of HIV infection may be due to any cause. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Deaths in 2020 and beyond should be interpreted considering the impact of the COVID-19 pandemic. For additional information, see https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm. Numbers less than 12, and trends based on these numbers, should be interpreted with caution.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

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

^d Hispanic/Latino persons can be of any race.

e Risk factor data for transgender and additional gender identity persons aged ≥13 years are presented using the exposure category classification, which is meant to convey all the known ways the person could have been exposed to HIV. Exposure categories are mutually exclusive and have no presumed hierarchical order of probability, except for rare circumstances where route of transmission has been confirmed through investigation. See Technical Notes for more information on exposure categories.

f For persons assigned "male" sex at birth, sexual contact with any person. For persons assigned "female" sex at birth, sexual contact with a person assigned "male" sex at birth.

⁹ Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

h Other risk factors, including perinatal transmission, hemophilia, blood transfusion, and risk factor not reported or not identified. Data were not statistically adjusted to account for missing exposure category; therefore, case counts for "Other" might be high.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html.

Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used; when both residence at death and state where a person's death occurred were not available, the most recent known address on or before the date of death is used.

Additional gender identity examples include "nonbinary," "gender gueer," and "two-spirit."

Table 15a. Persons living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States

	20 ⁻	18	201	19	2020 (COVID-1	9 pandemic) ^a	202	21	203	22
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rateb
Gender										
Man	765,818	_	783,618	_	794,561	_	809,730	_	829,121	_
Woman	237,910	_	241,503	_	242,637	_	244,876	_	248,381	_
Transgender woman/girl ^c	11,883	_	12,506	_	13,054	_	13,772	_	14,524	_
Transgender man/boy ^c	469	_	512	_	542	_	600	_	653	_
Additional gender identity ^d	294	_	328	_	355	_	404	_	466	_
Age at end of year (yr)										
<13	1,895	3.6	1,668	3.2	1,442	2.8	1,265	2.5	1,124	2.2
13–14	669	8.0	657	7.9	642	7.4	596	6.8	525	6.1
15–19	4,363	20.7	4,251	20.2	3,818	17.4	3,718	17.2	3,626	16.8
20–24	27,033	123.9	26,103	120.6	24,328	110.2	23,890	106.2	23,741	104.6
25–29	70,814	300.7	69,360	294.7	65,618	288.3	62,742	280.2	61,131	275.4
30–34	87,541	395.5	92,966	413.8	96,979	425.6	100,681	437.1	103,964	446.0
35–39	93,229	432.6	95,210	437.7	96,467	435.8	100,027	450.4	104,858	470.9
40–44	96,102	488.2	97,644	490.2	99,959	485.1	102,673	488.0	105,495	492.3
45–49	122,445	591.1	116,353	570.6	108,672	536.0	104,384	528.6	103,428	527.0
50–54	156,379	749.8	149,552	730.6	144,246	696.3	137,937	661.6	132,259	635.6
55–59	151,547	691.5	158,852	726.3	161,550	737.4	161,351	751.9	157,958	753.4
60–64	103,416	509.4	111,219	540.9	119,221	570.8	126,767	601.3	134,859	638.6
65–69	57,834	338.9	64,983	372.5	71,229	398.6	78,525	430.5	86,021	461.7
70–74	26,519	198.2	30,518	217.6	35,196	242.7	39,868	262.6	44,844	295.9
70-74 ≥75	16,590	75.7	19,133	84.8	21,784	97.0	24,960	109.4	29,314	122.1
	10,590	73.7	19,133	04.0	21,704	97.0	24,900	109.4	29,314	122.1
Race/ethnicity	0.775	445.4	0.000	440 7	0.007	404.0	2.420	400.7	2.070	405.0
American Indian/Alaska Native	2,775	115.1	2,900	119.7	2,997	124.6	3,130	129.7	3,272	135.2
Asian ^e	14,405	76.9	15,141	79.4	15,729	80.3	16,457	83.1	17,338	85.5
Black/African American	408,505	998.8	417,326	1,013.1	421,963	1,011.0	428,293	1,023.2	435,699	1,035.6
Hispanic/Latino [†]	235,577	396.1	243,702	403.5	249,104	402.8	257,341	410.9	269,308	423.0
Native Hawaiian/other Pacific Islander	743	125.2	787	130.3	836	135.5	899	143.9	976	153.5
White	294,622	149.1	298,425	151.3	300,462	152.0	303,423	154.1	307,013	156.5
Multiracial	59,093	821.6	59,536	807.1	59,409	778.7	59,193	758.5	58,892	736.7
Transmission category ⁹										
Male sex at birth (≥13 yr at end of year) ^h										
Male-to-male sexual contact ⁱ	566,603	_	584,334	_	597,308	_	613,879	_	633,765	_
Injection drug use ^J	66,578	_	65,959	_	64,806	_	63,947	_	63,409	_
Male-to-male sexual contact ⁱ and injection drug use ^j	58,514	_	58,752	_	58,333	_	58,038	_	57,732	_
Heterosexual contact ^k	77,713	_	78,811	_	78,977	_	79,504	_	80,635	_
Perinatal ^l	4,895	_	5,020	_	5,102	_	5,191	_	5,274	_
Other ^m	2,760	_	2,759	_	2,737	_	2,731	_	2,739	_
Subtotal	777,063	579.4	795,634	589.4	807,263	585.1	823,290	594.2	843,554	605.6
Female sex at birth (≥13 yr at end of year) ^h										
Injection drug use ^j	48,778	_	48,690	_	48,108	_	47,739	_	47,539	_
Heterosexual contact ^k	181,306	_	184,962	_	186,693	_	189,314	_	192,991	_
Perinatal ^l	5,670	_	5,830	_	5,951	_	6,075	_	6,229	_
Other ^m	1,664	_	1,685	_	1,694	_	1,701	_	1,710	_
Subtotal	237,418	169.4	241,167	170.9	242,446	171.2	244,829	172.0	248,469	173.5
Child (<13 yr at end of year)										
Perinatal	1,564	_	1,383	_	1,207	_	1,066	_	956	_
Other ^m	331	_	285	_	235	_	199	_	168	_
		3.6	1,668	3.2	1,442	2.8	1,265	2.5		2.2

Vol. 35

Table 15a. Persons living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States (cont)

	201	2018		2019		2020 (COVID-19 pandemic) ^a		21	2022	
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
Region of residence ⁿ										
Northeast	232,535	414.6	233,982	417.8	233,477	406.4	234,065	408.8	236,341	414.3
Midwest	121,533	178.0	124,253	181.8	126,159	182.9	128,618	186.8	131,602	191.3
South	460,724	369.6	473,420	376.7	481,441	380.7	492,500	386.7	506,546	393.5
West	201,584	259.0	206,814	264.1	210,074	267.1	214,201	272.6	218,658	277.7
Total ^o	1,016,376	311.0	1,038,469	316.3	1,051,151	317.1	1,069,384	322.1	1,093,147	328.0

Note. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

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

^C "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

d Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

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

f Hispanic/Latino persons can be of any race.

⁹ Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

h Data include transgender and additional gender identity persons.

Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

j Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles cookers)

k Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

Persons were aged ≥13 years at time of diagnosis of HIV infection.

^m Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

ⁿ Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at the end of the specified year (i.e., most recent known address).

⁰ Includes persons of unknown gender and persons whose race/ethnicity is unknown.

Table 15b. Persons living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

	201	18	201	9	2020 (COVID-1	9 pandemic) ^a	202	21	202	22
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
Gender										
Man	777,102	_	794,983		805,905	_	821,160	_	840,579	_
Woman	242,735	_	246,324	_	247,412	_	249,640	_	253,150	_
Transgender woman/girl ^c	11,919	_	12,545	_	13,095	_	13,808	_	14,565	_
Transgender man/boy ^c	473	_	516	_	546	_	604	_	656	_
Additional gender identity ^d	296	_	329	_	356	_	405	_	466	_
Age at end of year (yr)										
<13	1,904	3.6	1,674	3.2	1,445	2.8	1,268	2.5	1,126	2.2
13–14	677	8.0	663	7.9	648	7.4	599	6.8	526	6.0
15–19	4,405	20.7	4,276	20.1	3,841	17.3	3,738	17.1	3,652	16.7
20–24	27,299	123.7	26,353	120.4	24,546	109.9	24,081	105.9	23,909	104.2
25–29	71,500	300.5	70,038	294.4	66,222	287.7	63,331	279.7	61,688	274.9
30–34	88,391	395.8	93,842	413.9	97,870	425.3	101,569	436.5	104,866	445.4
35–39	94,378	433.6	96,265	438.3	97,464	436.2	101,027	450.8	105,859	471.1
40–44	97,596	490.3	99,078	491.9	101,357	486.6	104,056	489.4	106,793	493.3
45–49	124,389	593.8	118,179	573.1	110,322	537.9	105,939	530.4	104,955	528.8
50–54	159,156	754.3	152,129	734.6	146,717	700.0	140,228	665.0	134,381	638.6
55–59	154,255	696.1	161,715	731.2	164,385	741.8	164,168	756.2	160,708	757.6
60–64	105,412	513.4	113,338	545.2	121,492	575.1	129,130	605.6	137,329	643.0
65–69	58,965	341.4	66,272	375.5	72,621	401.6	80,084	433.9	87,691	465.2
70–74	27,138	200.0	31,194	219.4	35,986	244.8	40,742	264.9	45,822	298.5
≥75	17,062	76.8	19,683	86.0	22,400	98.2	25,659	110.7	30,113	123.4
Race/ethnicity	0.777		0.000		2.000		0.400		0.074	
American Indian/Alaska Native	2,777	_	2,902	_	2,999	_	3,132	_	3,274	_
Asian ^e	14,465	_	15,208	_	15,796	_	16,525	_	17,406	_
Black/African American	408,815	_	417,639	_	422,282	_	428,620	_	436,028	_
Hispanic/Latino ^f	251,216	_	259,399	_	264,725	_	273,015	_	285,014	_
Native Hawaiian/other Pacific Islander	775	_	819	_	869	_	932	_	1,010	_
White	294,703	_	298,515	_	300,554	_	303,523	_	307,118	_
Multiracial	59,117	_	59,562	_	59,437	_	59,220	_	58,916	_
Transmission category ^g										
Male sex at birth (≥13 yr at end of year) ^h										
Male-to-male sexual contacti	571,430	_	589,335	_	602,436	_	619,204	_	639,235	_
Injection drug use ^j	69,861	_	69,143	_	67,887	_	66,941	_	66,335	_
Male-to-male sexual contact ⁱ and injection drug use ^j	59,275	_	59,507	_	59,067	_	58,763	_	58,439	_
Heterosexual contact ^k	80,009		81,121	_	81,269	_	81,782	_	82,897	
Perinatal ^l	5,019	_	5,145			_	5,308	_	5,383	_
Other ^m		_		_	5,224	_		_		_
	2,786		2,785		2,764		2,756		2,764	
Subtotal	788,380	581.5	807,036	591.4	818,647	586.9	834,755	595.9	855,052	607.2
Female sex at birth (≥13 yr at end of year) ^h										
Injection drug use ^j	49,729	_	49,629		49,020	_	48,626	_	48,407	_
Heterosexual contact ^k	185,055	_	188,727	_	190,437	_	193,073	_	196,775	_
Perinatal ^l	5,786	_	5,939	_	6,063	_	6,185	_	6,339	_
Other ^m	1,674	_	1,694	_	1,704	_	1,712	_	1,719	_
Subtotal	242,243	170.8	245,989	172.4	247,224	172.5	249,596	173.3	253,240	174.8
Child (<13 yr at end of year)	, -		-,		,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Perinatal	1,573	_	1,389	_	1,210	_	1,069	_	958	_
Other ^m	331	_	285		235		199	_	168	_

Vol. 35

Table 15b. Persons living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

	2018		201	2019		9 pandemic) ^a	2021		2022	
	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
Region of residence ⁿ										
Northeast	232,535	414.6	233,982	417.8	233,477	406.4	234,065	408.8	236,341	414.3
Midwest	121,533	178.0	124,253	181.8	126,159	182.9	128,618	186.8	131,602	191.3
South	460,724	369.6	473,420	376.7	481,441	380.7	492,500	386.7	506,546	393.5
West	201,584	259.0	206,814	264.1	210,074	267.1	214,201	272.6	218,658	277.7
U.S. territories and freely associated states	16,151	449.7	16,230	452.0	16,165	439.6	16,235	443.9	16,271	450.1
Total ^o	1,032,527	312.5	1,054,699	317.8	1,067,316	318.4	1,085,619	323.4	1,109,418	329.3

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

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

^C "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

^d Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

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

f Hispanic/Latino persons can be of any race.

⁹ Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

h Data include transgender and additional gender identity persons.

includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

j Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

k Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

Persons were aged ≥ 13 years at time of diagnosis of HIV infection.

^m Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

ⁿ Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at the end of the specified year (i.e., most recent known address).

O Includes persons of unknown gender and persons whose race/ethnicity is unknown.

	America		٨٥	an ^a		nck/	Uiononia	o/Latinab	other	Hawaiian/ Pacific	Wh	:40	M14	iracial	Tot	La IC
	No.	Native Rate ^d	No.	Rate ^d	No.	American Rate ^d	No.	C/Latino ^b Rate ^d	No.	ander Rate ^d	No.	Rate ^d	No.	Rate ^d	No.	Rate ^d
Gender																
Man	2,405	_	14,121	_	286,213	_	216,719	_	782	_	264,402	_	44,010	_	829,121	_
Woman	797	_	2,951	_	142,475	_	47,307	_	153	_	40,858	_	13,660	_	248,381	_
Transgender woman/girl ^e	65	_	244	_	6,578	_	4,996	_	41	_	1,488	_	1,112	_	14,524	_
Transgender man/boy ^e	3	_	12	_	257	_	156	_	0	_	163	_	62	_	653	_
Additional gender identity ^f	2	_	10	_	175	_	130	_	Ö	_	101	_	48	_	466	_
Age at end of year (yr)																
<13	6	1.5	84	2.9	629	8.9	170	1.3	3	2.7	138	0.6	94	3.7	1,124	2.2
13–14	1	1.4	34	7.6	304	25.3	70	3.1	0	0.0	71	1.7	45	11.8	525	6.1
15–19	6	3.4	113	9.8	2,105	71.8	786	14.4	5	11.3	412	3.7	199	23.4	3,626	16.8
20–24	102	54.7	384	29.3	12,849	406.5	6,313	118.0	38	84.5	3,014	25.3	1,039	136.0	23,741	104.6
25–29	239	131.7	1,149	77.6	29,262	916.8	17,708	362.1	71	152.8	9,635	81.9	3,060	479.4	61,131	275.4
30–34	430	227.6	1,899	109.7	48,020	1,425.2	28,467	591.0	131	244.7	19,025	150.7	5,986	1,137.4	103,964	446.0
35–39	377	230.7	2,049	119.2	44,179	1,530.0	29,848	647.8	128	245.5	22,230	178.9	6,042	1,470.5	104,858	470.9
40–44	383	255.5	2,118	133.8	41,662	1,518.5	30,588	686.0	126	267.8	24,518	202.8	6,089	1,706.7	105,495	492.3
45–49	320	234.7	2,283	155.1	40,233	1,627.7	29,573	733.2	109	277.4	25,168	225.0	5,718	1,984.9	103,428	527.0
50–54	426	302.4	2,399	174.7	49,152	1,913.4	33,835	929.5	107	287.9	38,878	304.2	7,390	2,785.1	132,259	635.6
55–59	404	275.7	1,852	156.3	57,054	2,231.3	35,714	1,144.2	102	288.4	54,026	394.7	8,671	3,703.0	157,958	753.4
60–64	303	207.1	1,253	117.7	49,768	2,039.2	26,685	1,051.9	67	206.2	49,664	338.4	6,979	3,134.4	134,859	638.6
65–69	156	127.9	849	90.6	33,075	1,657.6	15,951	835.8	47	181.6	31,509	234.1	4,320	2,386.4	86,021	461.7
70–74	76	82.3	495	65.5	16,938	1,148.7	7,894	580.2	26	132.4	17,277	152.6	2,063	1,544.6	44,844	295.9
≥75	43	32.8	377	32.4	10,469	527.2	5,706	283.0	16	59.7	11,448	61.9	1,197	604.8	29,314	122.1
Transmission category ^g					,		.,				,		, -		- /-	
Male sex at birth (≥ 13 yr at end	of year)h															
Male-to-male sexual contact ⁱ	1,774	_	12,204	_	196,790	_	170,880	_	701	_	217,304	_	33,797	_	633,765	_
Injection drug use ^j	221	_	466	_	28,141	_	18,291	_	27	_	13,490	_	2,705	_	63,409	_
Male-to-male sexual contact ⁱ and	296	_	434	_	14,990	_	13,916	_	50	_	23,323	_	4,681		57,732	_
injection drug use ^j	290	_	434		14,330	_	13,910	_	30	_	25,525	_	4,001	_	31,132	_
Heterosexual contact ^k	158	_	1,095	_	48,942	_	16,971	_	38	_	9,978	_	3,424	_	80,635	_
Perinatal ^l	6	_	70	_	2,995	_	1,263	_	3		567	_	361	_	5,274	_
Other ^m	15	_	69	_	797	_	442	_	2	_	1,260	_	149	_	2,739	
Subtotal	2,469	247.0	14,337	173.2	292,655	 1,759.7	221,763	868.4	821	311.6	265,923	313.1	45,117	1,689.4	843,554	605.6
Female sex at birth (≥ 13 yr at er	-		11,001	110.2	202,000	1,7 00.7	221,100	000.1	02.	011.0	200,020	0.10.1	10,111	1,000.1	0 10,00 1	000.0
Injection drug use ^j	276		193	_	21,533	_	9,404	_	29	_	12,932	_	3,115	_	47,539	_
Heterosexual contact ^k	504	_	2,556	_	116,476		36,295		122	_	26,909		10,019		192,991	
Perinatal ^l	10	_	2,550	_	3,623	_	1,405	_	0	_	20,909	_	454	_	6,229	_
Other ^m	7	_	78	_	783	_	271	_	1	_	471	_	454 94	_	1,710	_
Subtotal	797	— 77.1	2,917	32.0	142,415	— 776.2	47,375	190.3	152	<u> </u>	40,952	<u> </u>	13,681	492.2	248,469	173.5
Child (<13 yr at end of year)	101	77.1	2,011	02.0	112,710	110.2	11,010	100.0	102	00.0	10,002	11.4	10,001	102.2	210,700	170.0
Perinatal	5	_	53		545		156		3		112		82		956	_
Other ^m	1	_	31	_	84	_	14	_	0	_	26	_	12	_	168	_
Subtotal	6	 1.5	84	2.9	629	8.9	170	1.3	3	2.7	138	0.6	94	3.7	1,124	2.2
Justolai	U	1.5	UH	۷.5	023	0.3	170	1.5	3	۷.1	130	0.0	J -1	J.1	1,124	۷.۷

Table 16a. Persons living with diagnosed HIV infection, by race/ethnicity and selected characteristics, year-end 2022—United States (cont)

	American Indian/ Alaska Native		Asi	an ^a		ack/ American	Hispanio	:/Latino ^b	other	Hawaiian/ Pacific Inder	Wh	ite	Mult	iracial	Tot	tal ^c
	No.	Rated	No.	Rate ^d	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated
Region of residence ⁿ																
Northeast	151	114.8	3,694	88.9	88,473	1,363.8	75,375	848.4	70	298.0	53,004	146.1	15,249	1,411.2	236,341	414.3
Midwest	435	105.7	1,668	66.2	54,839	751.3	18,510	310.6	56	127.5	48,602	95.3	7,420	484.4	131,602	191.3
South	789	96.6	3,792	75.6	258,639	1,050.0	96,462	392.8	162	149.8	120,350	169.8	26,205	962.2	506,546	393.5
West	1,897	178.7	8,184	95.3	33,748	924.5	78,961	325.4	688	149.4	85,057	223.4	10,018	376.9	218,658	277.7
Total ^o	3,272	135.2	17,338	85.5	435,699	1,035.6	269,308	423.0	976	153.5	307,013	156.5	58,892	736.7	1,093,147	328.0

Note. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. 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 Hispanic/Latino persons can be of any race.

^C Includes persons whose race/ethnicity is unknown.

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

e "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

f Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

⁹ Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

h Data include transgender and additional gender identity persons.

Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

^k Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

Persons were aged ≥13 years at time of diagnosis of HIV infection.

^m Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

ⁿ Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at the end of the specified year (i.e., most recent known address).

⁰ Includes persons of unknown gender.

Table 16b. Persons living with diagnosed HIV infection, by race/ethnicity and selected characteristics, year-end 2022—United States and 6 territories and freely associated states

Alaska Native No. 2,407 797 65 3 2 6 1 6 102 239 430	Asian ^a No. 14,178 2,962 244 12 10 84 34 113	Black/ African American No. 286,413 142,604 6,578 257 175 630 304	Hispanic/Latino ^b No. 227,784 51,905 5,036 159 130	other Pacific Islander No. 809 160 41 0	White No. 264,489 40,876 1,488 163 101	Multiracial No. 44,028 13,665 1,113 62	Total ^c No. 840,579 253,150 14,565 656
2,407 797 65 3 2 6 1 6 102 239 430	14,178 2,962 244 12 10 84 34	286,413 142,604 6,578 257 175	227,784 51,905 5,036 159 130	809 160 41 0	264,489 40,876 1,488 163	44,028 13,665 1,113 62	840,579 253,150 14,565
797 65 3 2 6 1 6 102 239 430	2,962 244 12 10 84 34 113	142,604 6,578 257 175	51,905 5,036 159 130	160 41 0	40,876 1,488 163	13,665 1,113 62	253,150 14,565
797 65 3 2 6 1 6 102 239 430	2,962 244 12 10 84 34 113	142,604 6,578 257 175	51,905 5,036 159 130	160 41 0	40,876 1,488 163	13,665 1,113 62	253,150 14,565
65 3 2 6 1 6 102 239 430	244 12 10 84 34 113	6,578 257 175 630	5,036 159 130	41 0	1,488 163	1,113 62	14,565
3 2 6 1 6 102 239 430	244 12 10 84 34 113	6,578 257 175 630	5,036 159 130	0	1,488 163	1,113 62	14,565
2 6 1 6 102 239 430	10 84 34 113	175 630	130				656
2 6 1 6 102 239 430	84 34 113	630		0	101		000
1 6 102 239 430	34 113		171			48	466
1 6 102 239 430	34 113		171				
1 6 102 239 430	34 113	304	17.1	3	138	94	1,126
102 239 430		001	70	1	71	45	526
239 430	201	2,107	809	5	412	200	3,652
430	384	12,853	6,475	39	3,014	1,040	23,909
	1,149	29,267	18,253	72	9,639	3,062	61,688
	1,905	48,034	29,335	138	19,032	5,986	104,866
377	2,057	44,193	30,812	133	22,240	6,042	105,859
383	2,125	41,691	31,834	130	24,526	6,093	106,793
320	2,288	40,266	31,051	110	25,176	5,720	104,955
426	2,408	49,199	35,880	110	38,891	7,393	134,381
405	1,862	57,116	38,365	107	54,042	8,676	160,708
304	1,268	49,805	29,078	71	49,682	6,981	137,329
156	851	33,104	17,575	47	31,520	4,323	87,691
76	497	16,962	8,839	28	17,281	2,064	45,822
43	381	10,497	6,467	16	11,454	1,197	30,113
]							
1,775	12,251	196,884	176,094	722	217,377	33,814	639,235
221	471	28,173	21,176	28	13,493	2,706	66,335
296	436	14,996	14,607	52		4,682	58,439
159	1,098	49,007	19,154	41	9,984	3,424	82,897
6	70	2,997	1,371	3	567	361	5,383
15	70	797	466	2	1,260	149	2,764
2,471	14,394	292,854	232,868	848	266,010	45,136	855,052
ar) ^h							
276	195	21,544	10,252	29	12,938	3,115	48,407
504	2,565	116,586	39,938	128	26,920	10,022	196,775
				1	641		6,339
7	79	785	278	1	471	94	1,719
797	2,928	142,544	51,975	159	40,970	13,686	253,240
5	53	546	157	3	112	82	958
1				0	26		168
	84	630					
	304 156 76 43 1,775 221 296 159 6 15 2,471 r) ^h 276 504 10 7	304 1,268 156 851 76 497 43 381 1,775 12,251 221 471 296 436 159 1,098 6 70 15 70 2,471 14,394 r) h 276 195 504 2,565 10 90 7 79 797 797 2,928	304 1,268 49,805 156 851 33,104 76 497 16,962 43 381 10,497 1,775 12,251 196,884 221 471 28,173 296 436 14,996 159 1,098 49,007 6 70 2,997 15 70 797 2,471 14,394 292,854 r) h 276 195 21,544 504 2,565 116,586 10 90 3,628 7 79 785 797 2,928 142,544	304 1,268 49,805 29,078 156 851 33,104 17,575 76 497 16,962 8,839 43 381 10,497 6,467 1,775 12,251 196,884 176,094 221 471 28,173 21,176 296 436 14,996 14,607 159 1,098 49,007 19,154 6 70 2,997 1,371 15 70 797 466 2,471 14,394 292,854 232,868 10 90 3,628 1,508 7 79 785 278 797 2,928 142,544 51,975	304	304 1,268 49,805 29,078 71 49,682 156 851 33,104 17,575 47 31,520 76 497 16,962 8,839 28 17,281 43 381 10,497 6,467 16 11,454 1,775 121 471 28,173 21,176 28 13,493 296 436 14,996 14,607 52 23,328 159 1,098 49,007 19,154 41 9,984 6 70 2,997 1,371 3 567 15 70 797 466 2 1,260 2,471 14,394 292,854 232,868 848 266,010 10 10 90 3,628 1,508 1 641 7 7 79 785 278 1 641 797 2,928 142,544 51,975 159 40,970 55 159 40,970 55 53 546 157 3 112	304

Table 16b. Persons living with diagnosed HIV infection, by race/ethnicity and selected characteristics, year-end 2022—United States and 6 territories and freely associated states (cont)

	American Indian/ Alaska Native	Asian ^a	Black/ African American	Hispanic/Latino ^b	Native Hawaiian/ other Pacific Islander	White	Multiracial	Total ^c
	No.	No.	No.	No.	No.	No.	No.	No.
Region of residence ^m								
Northeast	151	3,694	88,473	75,375	70	53,004	15,249	236,341
Midwest	435	1,668	54,839	18,510	56	48,602	7,420	131,602
South	789	3,792	258,639	96,462	162	120,350	26,205	506,546
West	1,897	8,184	33,748	78,961	688	85,057	10,018	218,658
U.S. territories and freely associated states	2	68	329	15,706	34	105	24	16,271
Total ⁿ	3,274	17,406	436,028	285,014	1,010	307,118	58,916	1,109,418

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Numbers less than 12 should be interpreted with caution.

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

b Hispanic/Latino persons can be of any race.

^c Includes persons whose race/ethnicity is unknown.

d "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

^e Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

f Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

⁹ Data include transgender and additional gender identity persons.

h Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

^k Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

m Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at the end of the specified year (i.e., most recent known address).

ⁿ Includes persons of unknown gender.

Table 17a. Persons aged ≥13 years living with diagnosed HIV infection, by year, sex assigned at birth, and selected characteristics, 2018–2022—United States

	201	8	201	9	2020 (CC pande		202	 !1	202	22
	No.	Rateb	No.	Rate ^b	No.	Rateb	No.	Rate ^b	No.	Rateb
Male sex at birth ^c										
Age at end of year										
13–14	299	7.0	311	7.3	315	7.1	299	6.7	264	6.0
15–19	2,882	26.8	2,861	26.6	2,514	22.4	2,439	22.1	2,371	21.4
20–24	22,143	198.2	21,472	194.0	20,172	178.0	19,986	173.5	19,929	
25–29	59,645	496.6	58,694	488.3	55,628	478.2	53,247	464.9	51,983	
30–34	71,384	638.1	76,717	674.7	80,887	697.9	84,745	724.0	88,073	
35–39	70,288	651.9	72,933	669.6	75,318	670.7	79,330	703.8	84,381	746.6
40–44	68,211	697.3	70,138	708.0	72,730	699.9	75,701	713.1	78,922	
45–49	89,159	869.9	83,753	830.7	77,485	760.0	74,026	746.5	73,565	
50–54	119,286		113,172		108,180		102,606	981.0	97,183	
55–59	116,795		122,486		124,521		124,069			1,167.2
60–64	79,101	814.0	84,912	861.9	91,058	894.9	97,017	943.9	103,258	
65–69	44,672	556.8	50,013	610.5	54,621	642.6	60,009	691.4	65,674	
70–74	20,646	333.0	23,669	364.2	27,279	402.8	30,826	435.8	34,506	
≥75	12,552	138.7	14,503	154.8	16,555	178.6	18,990	201.1	22,357	
	12,002	100.7	14,000	104.0	10,000	170.0	10,550	201.1	22,001	220.2
Race/ethnicity	0.054	040.0	0.457	004.0	0.050	200.0	0.050	007.0	0.400	0.47.0
American Indian/Alaska Native	2,054	212.6	2,157	221.2	2,250	229.0	2,359	237.9	2,469	247.0
Asian ^d	11,812	157.7	12,436	162.6	12,945	162.7	13,579	168.2	14,337	
Black/African American	270,096	,	277,065		281,283		286,670		292,655	
Hispanic/Latino ^e	190,828	824.3	198,194	839.0	203,312	827.3	210,875	842.6	221,763	868.4
Native Hawaiian/other Pacific Islander	622	257.0	666	269.8	701	275.5	755	292.1	821	311.6
White	256,170	304.7	259,244	308.3	260,870	305.9	263,254	309.4	265,923	313.1
Multiracial	45,008	1,973.1	45,402	1,922.7	45,433	1,822.9	45,330	1,757.1	45,117	1,689.4
Transmission category ^f										
Male-to-male sexual contact ^g	566,603	_	584,334	_	597,308	_	613,879	_	633,765	_
Injection drug useh	66,578	_	65,959	_	64,806	_	63,947	_	63,409	_
Male-to-male sexual contact ^g and	58,514	_	58,752	_	58,333	_	58,038	_	57,732	
injection drug use ^h	,		,		,		,		•	
Heterosexual contact ⁱ	77,713	_	78,811	_	78,977	_	79,504	_	80,635	_
Perinatal ^j	4,895	_	5,020	_	5,102	_	5,191	_	5,274	
Other ^k	2,760	_	2,759	_	2,737	_	2,731	_	2,739	
Region of residence	,		,		, -		, -		,	
Northeast	164,612	711.7	166,138	718.5	166,145	693.0	167,032	697.1	169,223	708.0
Midwest	96,014	342.1	98,108	348.6	99,677	346.7	101,703	353.5	109,223	
South	340,750	672.9	351,116	686.4	358,318	688.0	367,874	699.7	379,762	
						552.2				
West	175,687	544.3	180,272	553.6	183,123		186,681	561.5	190,459	
Subtotal	777,063	579.4	795,634	589.4	807,263	585.1	823,290	594.2	843,554	605.6
Female sex at birth ^c										
Age at end of year										
13–14	370	9.1	346	8.5	327	7.7	297	6.9	261	6.2
15–19	1,481	14.4	1,390	13.5	1,304	12.2	1,279	12.1	1,255	
20–24	4,890	45.9	4,631	43.8	4,156	38.7	3,904	35.6	3,812	
25–29	11,169	96.8	10,666	92.6	9,990	89.7	9,495	86.8	9,148	
30–34	16,157	147.6	16,249	146.5	16,092	143.7	15,936	140.6	15,891	138.5
35–39	22,941	213.1	22,277	205.1	21,149	194.0	20,697	189.3	20,477	186.7
40–44	27,891	281.7	27,506	274.7	27,229	266.6	26,972	258.8	26,573	
45–49	33,286	318.0	32,600	316.3	31,187	309.4	30,358	308.8	29,863	
50–54	37,093	350.2	36,380	350.2	36,066	349.2	35,331	340.1	35,076	
55–59	34,752	308.7	36,366	323.8	37,029	334.2	37,282	343.7	36,870	
60–64	24,315	229.7	26,307	245.7	28,163	262.9	29,750	275.3	31,601	292.0
65–69	13,162	145.6	14,970	161.8	16,608	177.2	18,516	193.7	20,347	
70–74	5,873	81.8	6,849	91.0	7,917	102.4	9,042	111.5	10,338	
>75 ≥75	4,038	31.4	4,630	35.1	5,229	39.7	5,970	44.7	6,957	49.7
		J 1. T		JU. 1						

Table 17a. Persons aged ≥13 years living with diagnosed HIV infection, by year, sex assigned at birth, and selected characteristics, 2018–2022—United States (cont)

	201	18 2019		9	2020 (CO panden				202	22
	No.	Rate ^b	No.	Rateb	No.	Rateb	No.	Rate ^b	No.	Rateb
Female sex at birth ^c (cont)										
Race/ethnicity										
American Indian/Alaska Native	716	70.8	738	72.2	741	73.1	766	74.8	797	77.1
Asian ^d	2,486	29.5	2,598	30.3	2,686	30.7	2,789	31.4	2,917	32.0
Black/African American	137,304	772.4	139,296	776.5	139,850	772.2	140,898	773.3	142,415	776.2
Hispanic/Latino ^e	44,492	194.8	45,281	194.1	45,596	190.9	46,282	190.0	47,375	190.3
Native Hawaiian/other Pacific Islander	119	49.6	119	48.7	132	53.0	141	55.6	152	58.6
White	38,212	43.7	38,972	44.6	39,411	45.3	40,013	46.0	40,952	47.2
Multiracial	13,906	573.8	13,981	558.9	13,848	531.6	13,760	511.4	13,681	492.2
Transmission category ^f										
Injection drug use ^h	48,778	_	48,690	_	48,108	_	47,739	_	47,539	_
Heterosexual contacti	181,306	_	184,962	_	186,693	_	189,314	_	192,991	_
Perinatal ^j	5,670	_	5,830	_	5,951	_	6,075	_	6,229	_
Other ^k	1,664	_	1,685	_	1,694	_	1,701	_	1,710	_
Region of residence										
Northeast	67,648	273.8	67,597	273.8	67,126	267.0	66,848	266.1	66,953	267.1
Midwest	25,058	85.9	25,746	88.0	26,133	89.1	26,616	90.7	27,250	92.8
South	119,116	222.5	121,549	224.7	122,460	226.1	124,037	226.7	126,237	227.8
West	25,596	78.1	26,275	79.5	26,727	80.9	27,328	82.5	28,029	84.1
Subtotal ^m	237,418	169.4	241,167	170.9	242,446	171.2	244,829	172.0	248,469	173.5
Total ^m	1,014,481	369.9	1,036,801	375.6	1,049,709	375.4	1,068,119	380.3	1,092,023	386.6

Note. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

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

^c Data include transgender and additional gender identity persons.

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

^e Hispanic/Latino persons can be of any race.

f Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

⁹ Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

h Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

Persons were aged ≥13 years at time of diagnosis of HIV infection.

^k Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at the end of the specified year (i.e., most recent known address).

^m Includes persons whose race/ethnicity is unknown.

Table 17b. Persons aged ≥13 years living with diagnosed HIV infection, by year, sex assigned at birth, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

	201	18	201	a	2020 (CO panden		202	1	202	22
	No.	Rate ^b	No.	Rate ^b	No.	Rateb	No.	Rate ^b	No.	Rate ^b
Male sex at birth ^c	140.	Nate	110.	Nate	110.	Nate	110.	Nate	110.	Nate
Age at end of year										
13–14	303	7.1	315	7.3	318	7.1	300	6.6	264	5.9
15–19	2,909	26.7	2,877	26.5	2,529	22.3	2,451	22.0	2,387	21.3
20–24	22,344	197.8	21,672	193.7	20,353	177.6	20,138	173.0	20,056	171.1
25–29	60,197	496.2	59,243	487.8	56,114	477.2	53,737	464.0	52,449	457.0
30–34	72,033	638.4	77,398	674.7	81,593	697.4	85,462	723.1	88,816	743.0
35–39	71,097	653.2	73,701	670.4	76,068	671.4	80,093	704.5	85,157	747.1
40–44	69,246	700.3	71,147	710.6	73,709	702.0	76,673	715.1	79,851	731.1
45–49	90,459	873.1	84,960	833.5	78,591	762.6	75,076	748.9	74,594	749.6
50–54 55–50	121,271		115,008		109,933		104,205	985.6	98,653	935.4
55–59 60–64	118,666 80,464	819.1	124,474 86,343	867.1	126,496 92,587	1,155.6 900.2	126,066 98,598	949.1	123,024 104,936	
65–69	45,452	560.0	50,906	614.4	55,590	646.6	61,098	696.1	66,830	744.8
70–74	21,060	335.2	24,108	366.1	27,789	405.0	31,410	438.6	35,160	493.6
≥75	12,879	140.3	14,884	156.6	16,977	180.2	19,448	202.6	22,875	224.7
Race/ethnicity	12,070	110.0	11,001	100.0	10,011	100.2	10,110	202.0	22,010	
American Indian/Alaska Native	2,056	_	2,159	_	2,252	_	2,361	_	2,471	
Asian ^d	11,861	_	12,492	_	13,001	_	13,636	_	14,394	_
Black/African American	270,281	_	277,248	_	281,471	_	286,866	_	292,854	_
Hispanic/Latino ^e	201,798	_	209,234	_	214,324	_	221,953	_	232,868	
Native Hawaiian/other Pacific Islander	648	_	691	_	727	_	781	_	848	_
White	256,235	_	259,317	_	260,946	_	263,336	_	266,010	_
Multiracial	45,026	_	45,423	_	45,455	_	45,351	_	45,136	_
Transmission category ^f										
Male-to-male sexual contact ^g	571,430	_	589,335	_	602,436	_	619,204	_	639,235	
Injection drug use ^h	69,861	_	69,143	_	67,887	_	66,941	_	66,335	_
Male-to-male sexual contact ^g and	59,275	_	59,507	_	59,067	_	58,763	_	58,439	_
injection drug use ^h	•		,		•		•		,	
Heterosexual contact ⁱ	80,010	_	81,121	_	81,269	_	81,782	_	82,897	_
Perinatal ^j	5,019	_	5,145	_	5,224	_	5,308	_	5,383	_
Other ^k	2,786		2,785	_	2,764	_	2,756	_	2,764	_
Region of residence										
Northeast	164,612	711.7	166,138	718.5	166,145	693.0	167,032	697.1	169,223	708.0
Midwest	96,014	342.1	98,108	348.6	99,677	346.7	101,703	353.5	104,110	361.5
South	340,750	672.9	351,116	686.4	358,318	688.0	367,874	699.7	379,762	713.9
West	175,687	544.3	180,272	553.6	183,123	552.2	186,681	561.5	190,459	570.1
U.S. territories and freely	11,317	769.2	11,402	771.6	11,384	748.3	11,465	754.3	11,498	762.0
associated states										
Subtotal	788,380	581.5	807,036	591.4	818,647	586.9	834,755	595.9	855,052	607.2
Female sex at birth ^c										
Age at end of year	27/	0.4	240	0.4	220	77	200	6.0	262	6.0
13–14 15–19	374 1,496	9.1 14.3	348 1,399	8.4 13.4	330 1,312	7.7 12.1	299 1,287	6.9 12.1	262 1,265	6.2 11.9
20–24	4,955	46.0	4,681	43.8	4,193	38.6	3,943	35.5	3,853	34.3
25–29	11,303	97.0	10,795	92.7	10,108	89.8	9,594	86.7	9,239	84.3
30–34	16,358	148.0	16,444	146.8	16,100	143.9	16,107	140.7	16,050	138.5
35–39	23,281	214.0	22,564	205.6	21,396	194.3	20,934	189.6	20,702	187.0
40–44	28,350	283.0	27,931	275.7	27,648	267.6	27,383	259.8	26,942	251.2
45–49	33,930	320.5	33,219	318.5	31,731	311.0	30,863	310.2	30,361	306.8
50-54	37,885	353.3	37,121	353.1	36,784	351.8	36,023	342.6	35,728	340.4
55–59	35,589	312.5	37,241	327.7	37,889	337.9	38,102	347.0	37,684	351.3
60–64	24,948	233.0	26,995	249.2	28,905	266.6	30,532	279.2	32,393	295.8
65–69	13,513	147.6	15,366	164.1	17,031	179.5	18,986	196.2	20,861	211.2
70–74	6,078	83.5	7,086	92.8	8,197	104.6	9,332	113.5	10,662	129.6
≥75	4,183	32.1	4,799	35.9	5,423	40.5	6,211	45.7	7,238	50.9
Race/ethnicity										
American Indian/Alaska Native	716	_	738	_	741	_	766	_	797	_
d	2,497	_	2,609	_	2,697	_	2,800	_	2,928	_
Asian ^d			139,425	_	139,980	_	141,028	_	142,544	_
Black/African American	137,428									
Black/African American Hispanic/Latino ^e	49,154	_	49,934	_	50,204	_	50,877	_	51,975	_
Black/African American Hispanic/Latino ^e Native Hawaiian/other Pacific Islander	49,154 124		49,934 125	_	50,204 138	_	147	_	51,975 159	
Black/African American Hispanic/Latino ^e	49,154	_	49,934		50,204				51,975	_

Table 17b. Persons aged ≥13 years living with diagnosed HIV infection, by year, sex assigned at birth, and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

					2020 (CO	VID-19				
	201	8	201	9	pander		202	1	202	2
	No.	Rateb								
Female sex at birth ^c (cont)										_
Transmission category ^f Injection drug use ^h Heterosexual contact ⁱ Perinatal ^j Other ^k	49,729 185,055 5,786 1,674	_ _ _ _	49,629 188,727 5,939 1,694	_ _ _ _	49,020 190,437 6,063 1,704	_ _ _ _	48,626 193,073 6,185 1,712	_ _ _ _	48,407 196,775 6,339 1,719	_ _ _ _
Region of residence ¹ Northeast Midwest South West U.S. territories and freely associated states	67,648 25,058 119,116 25,596 4,825	273.8 85.9 222.5 78.1 294.9	67,597 25,746 121,549 26,275 4,822	273.8 88.0 224.7 79.5 293.1	67,126 26,133 122,460 26,727 4,778	267.0 89.1 226.1 80.9 281.4	66,848 26,616 124,037 27,328 4,767	266.1 90.7 226.7 82.5 280.5	66,953 27,250 126,237 28,029 4,771	267.1 92.8 227.8 84.1 282.1
Subtotal ^m Total ^m	242,243 1,030,623	170.8 371.5	245,989 1,053,025	172.4 377.2	247,224 1,065,871	172.5 376.9	249,596 1,084,351	173.3 381.7	253,240 1,108,292	174.8 387.9

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Numbers less than 12, and rates and trends based on these numbers, should be interpreted with caution.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

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

^c Data include transgender and additional gender identity persons.

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

^e Hispanic/Latino persons can be of any race.

f Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

g Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

h Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Heterosexual contact with a person known to have, or with a risk factor for, HIV infection.

^j Persons were aged ≥13 years at time of diagnosis of HIV infection.

^k Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on residence at the end of the specified year (i.e., most recent known address).

^m Includes persons whose race/ethnicity is unknown.

Table 18a. Transgender and additional gender identity persons aged ≥13 years living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States

and Selected Characteristics, 20			2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022
Tb	No.	No.	No.	No.	No.
Transgender woman ^b					
Age at end of year 13–14	0	1	2	2	0
15–19	90	88	62	73	8Ž
20–24	912	869	848	866	847
25–29	2,126	2,054	1,969	1,972	1,991
30–34 35–39	2,216	2,491	2,753	2,890	2,983
35–39 40–44	1,687 1,275	1,822 1,367	1,904 1,518	2,095 1,664	2,379 1,770
45–49	1,188	1,233	1,216	1,242	1,300
50–54	1,087	1,097	1,153	1,178	1,162
55–59	731	820	856	903	1,002
60–64	357	397	468	542	594
65–69 70–74	146 50	184 62	206 76	235 80	273 104
70-74 ≥75	15	19	22	29	36
Race/ethnicity	10	10	22	20	00
American Indian/Alaska Native	47	51	55	60	65
Asian ^c	184	196	209	230	244
Black/African American	5,489	5,773	6,019	6,320	6,578
Hispanic/Latino ^d	3,880	4,133	4,343	4,616	4,996
Native Hawaiian/other Pacific Islander White	25 1,211	30 1,266	32 1,322	38 1,414	41 1,488
Multiracial	1,044	1,055	1,073	1,093	1,400 1,111
Exposure category ^e	1,077	1,000	1,070	1,000	1,111
Sexual contact ^f	9,932	10,518	11,054	11,724	12,436
Injection drug use ^g	28	29	29	33	36
Sexual contact [†] and injection drug use ^g	1,733	1,757	1,750	1,764	1,765
Perinatal ^h	24	24	24	23	23
Other ^l	163	176	196	227	263
Region of residence	2.050	2 160	2 262	3,393	2 550
Northeast Midwest	3,050 1,654	3,168 1,708	3,262 1,792	3,393 1,929	3,550 2,027
South	4,264	4,506	4,759	5,031	5,327
West	2,912	3,122	3,240	3,418	3,619
Subtotal	11,880	12,504	13,053	13,771	14,523
Transgender man ^b					
Age at end of year					
13–14	0	0	1	2	0
15–19	7	5	3	6	7
20–24 25–29	25 78	32 78	42 73	43 76	47 87
30–34	76 71	76 94	104	76 129	148
35–39	67	71	80	88	86
40–44	52	56	57	65	77
45–49	52	53	49	48	46
50–54	48	46	48	47	52
55–59 60–64	27 27	36 23	40 26	46 23	49 23
65–69	8	8	11	16	19
70–74	3	6	6	8	7
≥75	3	3	2	3	5
Race/ethnicity					
American Indian/Alaska Native	3	3	3	.3	3
Asian ^c	8	9	9	11	12 257
Black/African American Hispanic/Latino ^d	198 102	215 115	222 124	238 141	257 156
Native Hawaiian/other Pacific Islander	0	0	0	0	0
White	104	113	125	145	163
Multiracial	53	56	59	62	62
Exposure catęgory ^e					
Sexual contact ^r	347	381	406	457	507
Injection drug use ^g	8	10	11	11	11
Séxual contact ^f and injection drug use ^g Perinatal ^h	68 21	70 20	71 21	70 21	69 21
Other ⁱ	24	30	33	41	45
Region of residence ^j	~ 1	•	•		10
Northeast	88	100	103	110	124
Midwest	124	129	131	137	141
South	146	161	185	208	229
West Subtotal	110 468	121 511	123 542	145 600	159 653
Jubiolai	400	וונ	J4Z	OUU	บบง

Table 18a. Transgender and additional gender identity persons aged ≥13 years living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States (cont)

15–19 20–24 25–29 37 37 425–29 35 30–34 54 77 35–39 43 40–44 45–49 28 50–54 17 255–59 17 60–64 10 65–69 4 70–74 ≥ ₹ 75	No. No. 0 0 0 6 4 9 43 3 64 1 81 6 46 9 25 8 32 21 8 13 8 15 8 8	0 0 5 57 75 83 50 335 33 24 15 14 9	2022 No. 0 5 65 96 89 60 48 23 35 19
Additional gender identity ^k Age at end of year 0 13–14 0 15–19 6 20–24 37 4 25–29 55 5 30–34 54 7 35–39 43 4 40–44 20 1 45–49 28 2 50–54 17 2 55–59 17 1 60–64 10 65–69 70–74 2 2 ≥75 1 Race/ethnicity American Indian/Alaska Native 1 Asian ^c Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	0 0 6 4 9 43 3 64 1 81 6 46 9 25 0 21 8 13 8 15 8	0 5 57 75 83 50 35 33 24 15	0 5 65 96 89 60 48 23 315
Age at end of year 13–14 0 15–19 6 20–24 37 4 25–29 55 5 30–34 54 7 35–39 43 4 40–44 20 1 45–49 28 2 50–54 17 2 55–59 17 1 60–64 10 65–69 70–74 2 2 ≥75 1 2 Race/ethnicity 3 1 American Indian/Alaska Native 1 1 Asian ^c 5 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	6 4 9 43 3 64 1 81 6 46 9 25 8 32 0 21 8 13 8 15	5 57 75 83 50 35 33 24 15	5 65 96 89 60 48 23 35
Age at end of year 13–14 0 15–19 6 20–24 37 4 25–29 55 5 30–34 54 7 35–39 43 4 40–44 20 1 45–49 28 2 50–54 17 2 55–59 17 1 60–64 10 65–69 70–74 2 2 ≥75 1 Race/ethnicity American Indian/Alaska Native 1 Asian ^C Asian ^C 5 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White White 55 6 Multiracial 38 4	6 4 9 43 3 64 1 81 6 46 9 25 8 32 0 21 8 13 8 15	5 57 75 83 50 35 33 24 15	5 65 96 89 60 48 23 35
13-14 0 0 15-19 6 6 20-24 37 4 4 25-29 55 55 55 55 30-34 54 77 33-39 44 34 44 44 20 11 45-49 28 22 50-54 17 25-59 17 17 1 60-64 10 65-69 4 70-74 2 ≥ ≥75 1 1 Race/ethnicity American Indian/Alaska Native 1 Asian American Indian/Alaska Native 1 Asian Black/African American 120 13 Hispanic/Latino Native Hawaiian/other Pacific Islander 0 White 55 6 6 Multiracial 38 4 4	6 4 9 43 3 64 1 81 6 46 9 25 8 32 0 21 8 13 8 15	5 57 75 83 50 35 33 24 15	5 65 96 89 60 48 23 35
15–19 20–24 20–24 37 45–29 35 30–34 35–39 43 40–44 45–49 20 55–59 17 55–59 17 60–64 10 65–69 4 70–74 ≥ 75	6 4 9 43 3 64 1 81 6 46 9 25 8 32 0 21 8 13 8 15	5 57 75 83 50 35 33 24 15	5 65 96 89 60 48 23 35
20-24 37 4 25-29 55 55 30-34 54 7 35-39 43 43 4 40-44 20 11 45-49 28 28 50-54 17 28 55-59 17 17 1 60-64 10 65-69 7 70-74 2 2 ≥75 1 Race/ethnicity American Indian/Alaska Native 1 Asian S 5 Black/African American 120 13 Hispanic/Latino 7 75 8 Native Hawaiian/other Pacific Islander 0 White 55 66 Multiracial 38 44	9 43 33 64 1 81 6 46 9 25 8 32 0 21 8 13 8 15	57 75 83 50 35 33 24 15	65 96 89 60 48 23 35
25–29	3 64 1 81 6 46 9 25 8 32 0 21 8 13 8 15 8	75 83 50 35 33 24 15	96 89 60 48 23 35
30–34 54 7 35–39 43 43 44 40–44 20 11 45–49 28 28 29 50–54 17 2 55–59 17 10 60–64 10 65–69 4 20 ≥75 1 2 ≥75 1 5 Race/ethnicity Race/ethnicity Rareican Indian/Alaska Native 1 Asian ^c 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 66 Multiracial 38 44	1 81 6 46 9 25 8 32 0 21 8 13 8 15 8 8	83 50 35 33 24 15	89 60 48 23 35 19
35–39 43 43 44 40–44 20 11 45–49 28 28 29 50–54 17 29 55–59 17 17 19 60–64 10 65–69 4 47 70–74 2 2 ≥75 1 1 Race/ethnicity Rareican Indian/Alaska Native 1 Asian ^c 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 66 Multiracial 38 44	6 46 9 25 8 32 0 21 8 13 8 15	50 35 33 24 15 14	60 48 23 35 19
40-44 20 1 45-49 28 28 2 50-54 17 2 55-59 17 17 1 60-64 10 65-69 4 70-74 2 ≥75 1 1 Race/ethnicity American Indian/Alaska Native 1 Asian ^c 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	9 25 8 32 0 21 8 13 8 15 8 8	35 33 24 15 14	48 23 35 19
45-49 28 2 50-54 17 2 55-59 17 17 1 60-64 10 65-69 4 70-74 2 ≥75 1 1 Race/ethnicity American Indian/Alaska Native 1 Asian 5 Black/African American 120 13 Hispanic/Latinod 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	8 32 0 21 8 13 8 15 8 8	33 24 15 14	23 35 19
50-54 17 2 55-59 17 1 60-64 10 6 65-69 4 4 70-74 2 ≥ ≥75 1 1 Race/ethnicity American Indian/Alaska Native 1 1 Asian ^c 5 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White White 55 6 Multiracial 38 4	0 21 8 13 8 15 8 8	24 15 14	35 19
55–59 17 17 1 1 60–64 10 65–69 4 4 70–74 2 ≥ ≥75 1 1	8 13 8 15 8 8	15 14	19
60-64 10 65-69 4 70-74 2 ≥75 1 Race/ethnicity American Indian/Alaska Native 1 Asian ^c 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	8 15 8 8	14	
65–69 70–74 ≥75 1 Race/ethnicity American Indian/Alaska Native Asian° 5 Black/African American 120 13 Hispanic/Latino ^d Native Hawaiian/other Pacific Islander White 55 6 Multiracial 38	8		1/1
70–74 2 ≥75 1 Race/ethnicity American Indian/Alaska Native 1 Asian ^C 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38			9
≥75 1 Race/ethnicity American Indian/Alaska Native 1 Asian ^C 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	1 2	3	2
Race/ethnicity American Indian/Alaska Native 1 Asian ^c 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	1 1	1	1
American Indian/Alaska Native 1 Asian ^c 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	'	'	'
Asian ^c 5 Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	4	4	0
Black/African American 120 13 Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	1 1	1	2
Hispanic/Latino ^d 75 8 Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	5	5	10
Native Hawaiian/other Pacific Islander 0 White 55 6 Multiracial 38 4	1 144	159	175
White 55 6 Multiracial 38 4		108	130
Multiracial 38 4		0	0
	4 71	85	101
	3 44	46	48
Exposure category ^e			
Sexual contact ^f 254 28	4 307	349	404
Injection drug use ^g 1	1 1	1	1
Séxual contact [†] and injection drug use ^g 32 3		40	46
	4 4	4	4
Other ^I 3	5 8	10	11
Region of residence			
Northeast 146 15	6 164	176	190
Midwest 48 6	0 67	77	83
South 80 8	8 92	98	122
West 20 2		53	71
Subtotal 294 32	355	404	466
Total 12,642 13,34	3 13,950	14,775	15,642

Note. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Numbers less than 12, and trends based on these numbers, should be interpreted with caution.

^a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

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

^d Hispanic/Latino persons can be of any race.

e Risk factor data for transgender and additional gender identity persons aged ≥13 years are presented using the exposure category classification, which is meant to convey all the known ways the person could have been exposed to HIV. Exposure categories are mutually exclusive and have no presumed hierarchical order of probability, except for rare circumstances where route of transmission has been confirmed through investigation. See Technical Notes for more information on exposure categories.

f For persons assigned "male" sex at birth, sexual contact with any person. For persons assigned "female" sex at birth, sexual contact with a person assigned "male" sex at birth.

⁹ Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

h Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including perinatal transmission, hemophilia, blood transfusion, and risk factor not reported or not identified. Data were not statistically adjusted to account for missing exposure category; therefore, case counts for "Other" might be high.

Programs of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on address of residence at end of the specified year (i.e., most recent known address).

^k Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

Table 18b. Transgender and additional gender identity persons aged ≥13 years living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States and 6 territories and freely associated states

	2018 No.	2019 No.	2020 (COVID-19 pandemic) ^a No.	2021 No.	2022 No.
Transgender woman ^b	1101	110.	1101	110.	110.
Age at end of year			•		•
13–14 15–19	0 90	1 88	2 62	2 73	0 82
20–24	90 917	875	855	870	850
25–29	2,129	2,057	1,971	1,977	1,998
30–34	2,224	2,498	2,759	2,894	2,987
35–39 40–44	1,690 1,281	1,825 1,374	1,909 1,526	2,097 1,672	2,383 1,778
45–49	1,188	1,234	1,218	1,244	1,302
50–54	1,089	1,101	1,155	1,179	1,164
55–59	737	825	861	908	1,006
60–64 65–69	358 147	399 184	471 206	545 236	598 274
70–74	51	63	77	81	105
≥75	15	19	22	29	37
Race/ethnicity	47	F.4		00	05
American Indian/Alaska Native Asian ^c	47 184	51 196	55 209	60 230	65 244
Black/African American	5,490	5,774	6,020	6,320	6,578
Hispanic/Latino ^a	3,915	4,169	4,382	4,651	5,036
Native Hawaiian/other Pacific Islander	25	30	32	38	41
White Multiracial	1,211 1,044	1,267 1,056	1,322 1,074	1,414 1,094	1,488 1,112
Exposure category ^e	1,011	1,000	1,011	1,001	1,112
Sexual contact ^f	9,961	10,551	11,089	11,755	12,472
Injection drug use ^g	28	29 4 702	29 4.750	33	36
Sexual contact [†] and injection drug use ^g Perinatal ^h	1,740 24	1,763 24	1,756 24	1,769 23	1,770 23
Other ⁱ	163	176	196	227	263
Region of residence					
Northeast	3,050	3,168	3,262	3,393	3,550
Midwest South	1,654 4,264	1,708 4,506	1,792 4,759	1,929 5,031	2,027 5,327
West	2,912	3,122	3,240	3,418	3,619
U.S. territories and freely associated states	36	39	41	36	41
Subtotal	11,916	12,543	13,094	13,807	14,564
Transgender man ^b					
Age at end of year 13–14	0	0	1	2	0
15–19	8	5	3	6	7
20–24	25 79	33 79	43	44	48
25–29	79 71	79	73	76	87
30–34 35–39	67	94 71	105 80	130 88	148 86
40–44	52	56	57	65	77
45–49	52	53	49	48	46
50–54 55–59	48 27	46 36	48 40	47 46	52 49
60–64	28	24	27	24	23
65–69	9	9	11	16	20
70–74	3	6	6	8	7
≥75 Race/ethnicity	3	3	3	4	6
American Indian/Alaska Native	3	3	3	3	3
Asian ^c	8	9	9	11	12
Black/African American	198	215	222	238	257
Hispanic/Latino ^d Native Hawaiian/other Pacific Islander	106 0	119 0	128 0	145 0	159 0
White	104	113	125	145	163
Multiracial	53	56	59	62	62
Exposure category ^e	0.10	222	100	450	500
Sexual contact ¹ Injection drug use ^g	349 8	383 10	408 11	459 11	508 11
Sexual contact ^r and injection drug use ⁹	69	71	72	71	70
Perinatal ⁿ	22	21	22	22	22
Other ⁱ	24	30	33	41	45
Region of residence	00	100	102	110	104
Northeast Midwest	88 124	100 129	103 131	110 137	124 141
South	146	161	185	208	229
West	110	121	123	145	159
U.S. territories and freely associated states	4	4 515	4 546	4	3
Subtotal	472	515	546	604	656

Table 18b. Transgender and additional gender identity persons aged ≥13 years living with diagnosed HIV infection, by year and selected characteristics, 2018–2022—United States and 6 territories and freely associated states (cont)

			2020 (COVID-19		
	2018	2019	pandemic) ^a	2021	2022
	No.	No.	No.	No.	No.
Additional gender identity ^k					
Age at end of year					
13–14	0	0	0	0	0
15–14	6	6	4	5	5
20–24	37	49	43	57	65
25–29	55	53	64	75	96
30–34	55	71	81	83	89
35–34 35–39	43	46	46	50	60
40–44	20	19	25	35	48
45–49	28	28	32	33	23
45–49 50–54	20 18	20 21	32 22	33 25	23 35
50–54 55–59	17	21 18	13	25 15	35 19
60–64	10	8	15 15		
65–69		8 8		14 9	14
70–74	4 2	0	8 2	3	9
70-74 ≥75	1	1	1	ى 1	2
	I	ļ	I	ļ	ı
Race/ethnicity					
American Indian/Alaska Native	1	1	<u>1</u>	1	.2
Asian ^c	5	. 5	. 5	5	10
Black/African American	120	131	144	159	175
Hispanic/Latino ^d	77	85	91	109	130
Native Hawaiian/other Pacific Islander	0	0	_0	0	0
White	55	64	71	85	101
Multiracial	38	43	44	46	48
Exposure category ^e					
Sexual contact ^r	256	285	308	350	404
Injection drug use ⁹	1	1	1	1	1
Sexual contact ¹ and injection drug use ^g Perinatal ^h	32	34	35	40	46
Perinatal ^h	4	4	4	4	4
Other ⁱ	3	5	8	10	11
Region of residence					
Northeast	146	156	164	176	190
Midwest	48	60	67	77	83
South	80	88	92	98	122
West	20	24	32	53	71
U.S. territories and freely associated states	2	1	1	1	Ó
Subtotal	296	329	356	405	466
Total	12,684	13,387	13,996	14,816	15,686
I Otal Note: LLS territories and freely associated states include Ar	•	•		•	•

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. Numbers less than 12, and trends based on these numbers, should be interpreted with caution.

a Data for 2020, which coincided with the onset of the COVID-19 pandemic, should be interpreted with caution. The pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. As the COVID-19 pandemic lasted beyond 2020, readers should also consider the potential influence of these pandemic effects on U.S. public health systems when interpreting HIV data for 2021–2022.

b "Transgender woman" includes persons who were assigned male sex at birth but have ever identified as a woman. "Transgender man" includes persons who were assigned female sex at birth but have ever identified as a man.

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

^d Hispanic/Latino persons can be of any race.

e Risk factor data for transgender and additional gender identity persons aged ≥13 years are presented using the exposure category classification, which is meant to convey all the known ways the person could have been exposed to HIV. Exposure categories are mutually exclusive and have no presumed hierarchical order of probability, except for rare circumstances where route of transmission has been confirmed through investigation. See Technical Notes for more information on exposure categories.

f For persons assigned "male" sex at birth, sexual contact with any person. For persons assigned "female" sex at birth, sexual contact with a person assigned "male" sex at birth.

⁹ Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

h Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including perinatal transmission, hemophilia, blood transfusion, and risk factor not reported or not identified. Data were not statistically adjusted to account for missing exposure category; therefore, case counts for "Other" might be high.

j Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on address of residence at end of the specified year (i.e., most recent known address).

^k Additional gender identity examples include "nonbinary," "gender queer," and "two-spirit."

Table 19a. Persons aged 13–24 years living with diagnosed HIV infection, by age at end of year, sex assigned at birth, and selected characteristics, year-end 2022—United States

Female	otal	To	years	23–24	years	20-22	years	18–19	years	15–17	years	13–14	
Male	Ratea	No.	Ratea	No.	Ratea	No.	Ratea	No.	Ratea	No.	Ratea	No.	
Female													Sex at birth
Race/ethnicity	83.2	22,564	248.8										Male
American Indian/Alaska Native 1 1 1.4 2 1.9 4 5.8 4.3 38.0 59 80.4 105 Asian Parican Indian/Alaska Native 34 7.6 57 8.4 56 11.7 164 21.0 220 41.7 53 Black/African American 304 25.3 801 45.1 3.04 113.1 5,740 299.3 7,109 572.1 15,256 Hispanic/Latino 70 3.1 233 7.0 553 26.1 2,715 82.1 3,598 176.1 7,165 Native Hawaiian/other Pacific Islander 0 0.0 3 11.3 2 11.4 22 80.6 16 90.4 43 White 71 1.7 156 2.4 256 5.7 1,238 17.2 1,776 37.9 3,499 Multiracial 45 11.8 91 17.2 108 33.6 435 91.6 604 209.2 1,283 Transmission category d Sex at birth Male-to-male sexual contact 5 5 242 2 10.8 3.6 3.6 435 91.6 604 209.2 1,283 Male-to-male sexual contact and 0 2 5 2 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	20.6	5,328	47.5	2,055	25.9	1,757	15.1	636	9.8	619	6.2	261	Female
American Indian/Alaska Native 1 1 1.4 2 1.9 4 5.8 4.3 38.0 59 80.4 10.5 Asian													Race/ethnicity
Asian P	25.1	109	80.4	59	38.0	43	5.8	4	1.9	2	1.4	1	
Hispanic/Latino ^c 70 3.1 233 7.0 553 26.1 2,715 82.1 3,598 176.1 7,168 Native Hawaiian/other Pacific Islander 0 0.0 0.0 3 11.3 2 11.4 22 80.6 16 90.4 4.5 White 71 1.7 156 2.4 256 5.7 1,238 17.2 1,776 37.9 3,493 Multiracial 45 11.8 91 17.2 108 33.6 435 91.6 604 209.2 1,283 Transmission category ^d Male sex at birth ^e Male-to-male sexual contact ^f 5 — 242 — 1,261 — 7,573 — 10,117 — 19,198 Injection drug use ^g 0 — 3 — 8 — 75 — 125 — 216 Male-to-male sexual contact ^f and 0 — 5 — 27 — 170 — 320 — 52° injection drug use ^g Heterosexual contact ^f 0 — 12 — 31 — 215 — 313 — 57° Perinatal ¹ 206 — 379 — 254 — 475 — 406 — 1,718 Subtotal 264 6.0 724 10.9 1,647 37.3 8,601 122.0 11,328 248.8 22,564 Female sex at birth ^e Injection drug use ^g 0 — 10 — 20 — 122 — 161 — 31° Heterosexual contact ^h 5 — 82 — 216 — 974 — 1,361 — 2,634 Heterosexual contact ^h 5 — 82 — 216 — 974 — 1,361 — 2,634 Heterosexual contact ^h 5 — 82 — 216 — 974 — 1,361 — 2,634 Heterosexual contact ^h 5 — 82 — 216 — 974 — 1,361 — 2,634 Subtotal 261 6.2 619 9.8 636 15.1 1,757 25.9 2,055 47.5 5,326 Region of residence ^k Northeast 76 5.6 224 10.8 357 23.7 1,445 62.5 1,968 136.7 4,077 South 226 6.6 626 12.3 1,228 37.0 5,855 10.94 7,299 211.8 15,234	18.2	531	41.7	220	21.0	164	11.7	56		57	7.6	34	Asian ^b
Native Hawaiian/other Pacific Islander 0 0.0 3 11.3 2 11.4 22 80.6 16 90.4 4.5 White 71 1.7 156 2.4 256 5.7 1,238 17.2 1,776 37.9 34.97 Multiracial 45 11.8 91 17.2 108 33.6 435 91.6 604 209.2 1,283 Transmission categoryd Male sex at birthe Male-to-male sexual contact 5 5 — 242 — 1,261 — 7,573 — 10,117 — 19,195 Male-to-male sexual contact and 0 — 5 — 27 — 170 — 320 — 52 injection drug useg Heterosexual contact 1 — 20 — 31 — 215 — 313 — 57 Male-to-male sexual contact 1 — 33 — 84 — 67 — 92 — 48 — 34 Subtotal 264 6.0 724 10.9 1,647 37.3 8,601 122.0 11,328 248.8 22,564 Melerosexual contact 1 — 20 — 122 — 161 — 313 Mele-to-male sexual contact 1 — 313 Mele-to-male sexual contact 1 — 313 Mele-to-male sexual contact 1 — 314 Mele-to-male sexual contact 1 — 315 Mele-to-male sexual contact 1 — 315 — 318 — 57 Mele-to-male sexual contact 1 — 318 — 215 — 318 — 57 Mele-to-male sexual contact 1 — 318 — 344 Mele-to-male sexual contact 1 — 318 — 344 Mele-to-male sexual contact 1 — 348 — 344 Mele-to-	209.2	15,258	572.1	7,109	299.3	5,740	113.1	1,304	45.1	801	25.3	304	Black/African American
White 71 1.7 156 2.4 256 5.7 1,238 17.2 1,776 37.9 3,497 Multracial 45 11.8 91 17.2 108 33.6 435 91.6 604 209.2 1,283 Transmission category ^d Male sex at birthe [®] Wale formale sexual contact ^f 5 — 242 — 1,261 — 7,573 — 10,117 — 19,195 Injection drug use ^g 0 — 3 — 8 — 75 — 125 — 210 Male-to-male sexual contact ^f and injection drug use ^g 0 — 12 — 31 — 75 — 125 — 210 Heterosexual contact ^h 0 — 12 — 31 — 215 — 313 — 57** Perinatal ^l 206 — 379 — 254 — 475 — 40	55.0	7,169	176.1	3,598	82.1	2,715	26.1	553	7.0	233	3.1	70	Hispanic/Latino ^c
Multiracial 45 11.8 91 17.2 108 33.6 435 91.6 604 209.2 1,283 Transmission category ^d Male sex at birth ^e Male sex at birth ^e Sex at birth ^e Sex at birth ^e 10,117 19,199 Injection drug use ^g 0 - 3 - 8 - 75 - 125 - 211 Male-to-male sexual contact ^f and 0 - 5 - 27 - 170 - 320 - 52 Male-to-male sexual contact ^f and 0 - 5 - 27 - 170 - 320 - 52 Heterosexual contact ^{fh} 0 - 12 - 31 - 215 - 313 - 57 Perinatali 206 - 379 - 254 - 475 - 406 - 1,715 Otherl 53 - 84 - 67 - 92 - 48 - <td>40.2</td> <td>43</td> <td>90.4</td> <td>16</td> <td>80.6</td> <td>22</td> <td>11.4</td> <td>2</td> <td>11.3</td> <td>3</td> <td>0.0</td> <td>0</td> <td>Native Hawaiian/other Pacific Islander</td>	40.2	43	90.4	16	80.6	22	11.4	2	11.3	3	0.0	0	Native Hawaiian/other Pacific Islander
Transmission category ^d Male sex at birthe Male to-male sexual contact ^f 5 — 242 — 1,261 — 7,573 — 10,117 — 19,195 Injection drug use ⁹ 0 — 3 — 8 — 75 — 125 — 210 Male to-male sexual contact ^f and one use ⁹ — 5 — 27 — 170 — 320 — 52 injection drug use ⁹ — 12 — 31 — 215 — 313 — 57' Perinatal [†] 206 — 379 — 254 — 475 — 406 — 171' Perinatal [†] 206 — 379 — 254 — 475 — 406 — 171' Subtotal 264 6.0 724 10.9 1,647 37.3 8,601 122.0 11,328 248.8 22,564 Female sex at birthe Injection drug use ⁹ 0 —<	12.9	3,497											
Male sex at birthe Male-to-male sexual contact ^f 5 — 242 — 1,261 — 7,573 — 10,117 — 19,195 Injection drug use ^g 0 — 3 — 8 — 75 — 125 — 210 Male-to-male sexual contact ^f and injection drug use ^g — 5 — 27 — 170 — 320 — 52° Heterosexual contact ^h 0 — 12 — 31 — 215 — 313 — 57° Perinatal ¹ 206 — 379 — 254 — 475 — 406 — 1,719 Other 92 — 48 — 34° Subtotal 264 6.0 724 10.9 1,647 37.3 8,601 122.0 11,328 248.8 22,564 Female sex at birthe Injection drug use ^g 0 — 10 — 20 —	64.3	1,283	209.2	604	91.6	435	33.6	108	17.2	91	11.8	45	Multiracial
Male-to-male sexual contact ^f 5 — 242 — 1,261 — 7,573 — 10,117 — 19,195 Injection drug use ⁹ 0 — 3 — 8 — 75 — 125 — 210 Male-to-male sexual contact ^f and injection drug use ⁹ — 5 — 27 — 170 — 320 — 52° Heterosexual contact ^h 0 — 12 — 31 — 215 — 313 — 57° Perinatall 206 — 379 — 254 — 475 — 406 — 1,715 Other ¹ 53 — 84 — 67 — 92 — 48 — 34° Subtotal 264 6.0 724 10.9 1,647 37.3 8,601 122.0 11,328 248.8 22,564 Female sex at birth ^e Injection drug use ⁹ 0 — 10 — 20 — 122 — 161													Transmission category ^d
Male-to-male sexual contact ^f 5 — 242 — 1,261 — 7,573 — 10,117 — 19,195 Injection drug use ⁹ 0 — 3 — 8 — 75 — 125 — 210 Male-to-male sexual contact ^f and injection drug use ⁹ — 5 — 27 — 170 — 320 — 52° Heterosexual contact ^h 0 — 12 — 31 — 215 — 313 — 57° Perinatal ¹ 206 — 379 — 254 — 475 — 406 — 1,719 Other ¹ 53 — 84 — 67 — 92 — 48 — 34° Subtotal 264 6.0 724 10.9 1,647 37.3 8,601 122.0 11,328 248.8 22,564 Female sex at birthe Injection drug use													Male sex at birth ^e
Injection drug useg	_	19,199	_	10.117	_	7.573	_	1.261	_	242	_	5	
Male-to-male sexual contact [†] and injection drug use ⁹ 12 27 170 320 522 Heterosexual contact [†] 0 12 31 215 313 574 Perinatal [†] 206 379 254 475 406 1,719 Other [†] 53 84 67 92 48 344 Subtotal 264 6.0 724 10.9 1,647 37.3 8,601 122.0 11,328 248.8 22,564 Female sex at birth ^e Injection drug use ⁹ 0 10 20 122 161 313 248.8 22,564 Heterosexual contact ^{†h} 5 82 216 974 1,361 263 263 274 322 564 495 2,014 263 294 322 564 495 2,014 207 427 322 564 495 2,014 201 201 201 201 201 201 201 201 201 201 201 201 201 201 201 201 201 201	_	210	_		_		_		_		_		
Heterosexual contact ^h	_	521	_		_	170	_	27	_	5	_	0	Male-to-male sexual contact and
Heterosexual contact ^h													injection drug use ^g
Perinatal ¹ 206 — 379 — 254 — 475 — 406 — 1,719 Other ¹ 53 — 84 — 67 — 92 — 48 — 344 Subtotal 264 6.0 724 10.9 1,647 37.3 8,601 122.0 11,328 248.8 22,564 Female sex at birth ^e Injection drug use ⁹ 0 — 10 — 20 — 122 — 161 — 313 Heterosexual contact ^h 5 — 82 — 216 — 974 — 1,361 — 2,637 Perinatal ¹ 207 — 427 — 322 — 564 — 495 — 2,014 Other ¹ 49 — 101 — 78 — 97 — 39 — 364 Subtotal 261 6.2 619 9.8 636 15.1 1,757 25.9 2,055 47.5 5,328 Region of residence ^k Northeast 76 5.6 224 10.8 357 23.7 1,445 62.5 1,968 136.7 4,070 Midwest 138 7.6 271 9.9 313 17.6 1,488 50.9 1,960 106.8 4,170 South 226 6.6 626 12.3 1,228 37.0 5,855 109.4 7,299 211.8 15,234	_	571	_	313	_	215	_	31	_	12	_	0	Heterosexual contacth
Subtotal 264 6.0 724 10.9 1,647 37.3 8,601 122.0 11,328 248.8 22,564 Female sex at birthe Injection drug use ⁹ 0 — 10 — 20 — 122 — 161 — 313 Heterosexual contacth 5 — 82 — 216 — 974 — 1,361 — 2,637 Perinatali 207 — 427 — 322 — 564 — 495 — 2,014 Otheri 49 — 101 — 78 — 97 — 39 — 364 Subtotal 261 6.2 619 9.8 636 15.1 1,757 25.9 2,055 47.5 5,326 Region of residence ^k 8 8 636 15.1 1,757 25.9 2,055 47.5 5,326 Region of residence ^k 8 76 5.6	_	1,719	_	406	_	475	_	254	_		_		
Female sex at birthe Injection drug use ⁹ 0 — 10 — 20 — 122 — 161 — 313 Heterosexual contact ^h 5 — 82 — 216 — 974 — 1,361 — 2,637 Perinatal ^l 207 — 427 — 322 — 564 — 495 — 2,014 Other ^l 49 — 101 — 78 — 97 — 39 — 364 Subtotal 261 6.2 619 9.8 636 15.1 1,757 25.9 2,055 47.5 5,326 Region of residence ^k Northeast 76 5.6 224 10.8 357 23.7 1,445 62.5 1,968 136.7 4,070 Midwest 138 7.6 271 9.9 313 17.6 1,488 50.9 1,960 106.8 4,170 <td>_</td> <td>344</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>84</td> <td></td> <td>53</td> <td>Other^j</td>	_	344								84		53	Other ^j
Injection drug use ^g	83.2	22,564	248.8	11,328	122.0	8,601	37.3	1,647	10.9	724	6.0	264	Subtotal
Héterosexual contact ^h 5 — 82 — 216 — 974 — 1,361 — 2,637 Perinatal ⁱ 207 — 427 — 322 — 564 — 495 — 2,014 Other ⁱ 49 — 101 — 78 — 97 — 39 — 364 Subtotal 261 6.2 619 9.8 636 15.1 1,757 25.9 2,055 47.5 5,326 Region of residence ^k Northeast 76 5.6 224 10.8 357 23.7 1,445 62.5 1,968 136.7 4,070 Midwest 138 7.6 271 9.9 313 17.6 1,488 50.9 1,960 106.8 4,170 South 226 6.6 626 12.3 1,228 37.0 5,855 109.4 7,299 211.8 15,234													Female sex at birth ^e
Heterosexual contact ^h 5 — 82 — 216 — 974 — 1,361 — 2,637 Perinatal ^l 207 — 427 — 322 — 564 — 495 — 2,014 Other ^l 49 — 101 — 78 — 97 — 39 — 364 Subtotal 261 6.2 619 9.8 636 15.1 1,757 25.9 2,055 47.5 5,328 Region of residence^k Northeast 76 5.6 224 10.8 357 23.7 1,445 62.5 1,968 136.7 4,070 Midwest 138 7.6 271 9.9 313 17.6 1,488 50.9 1,960 106.8 4,170 South 226 6.6 626 12.3 1,228 37.0 5,855 109.4 7,299 211.8 15,234	_	313	_	161	_		_		_	10	_	0	Injection drug use ^g
Perinatal ^I Other ^I 207 — 427 — 322 — 564 — 495 — 2,014 Other ^I 49 — 101 — 78 — 97 — 39 — 364 Subtotal 201 — 325 —	_	2,637	_	1,361	_	974	_	216	_	82	_	5	Heterosexual contacth
Subtotal 261 6.2 619 9.8 636 15.1 1,757 25.9 2,055 47.5 5,328 Region of residence ^k Northeast 76 5.6 224 10.8 357 23.7 1,445 62.5 1,968 136.7 4,070 Midwest 138 7.6 271 9.9 313 17.6 1,488 50.9 1,960 106.8 4,170 South 226 6.6 626 12.3 1,228 37.0 5,855 109.4 7,299 211.8 15,234	_	2,014	_	495	_	564	_	322	_	427	_		
Region of residence ^k Northeast 76 5.6 224 10.8 357 23.7 1,445 62.5 1,968 136.7 4,070 Midwest 138 7.6 271 9.9 313 17.6 1,488 50.9 1,960 106.8 4,170 South 226 6.6 626 12.3 1,228 37.0 5,855 109.4 7,299 211.8 15,234	_	364											Other ^j
Northeast 76 5.6 224 10.8 357 23.7 1,445 62.5 1,968 136.7 4,070 Midwest 138 7.6 271 9.9 313 17.6 1,488 50.9 1,960 106.8 4,170 South 226 6.6 626 12.3 1,228 37.0 5,855 109.4 7,299 211.8 15,234	20.6	5,328	47.5	2,055	25.9	1,757	15.1	636	9.8	619	6.2	261	Subtotal
Northeast 76 5.6 224 10.8 357 23.7 1,445 62.5 1,968 136.7 4,070 Midwest 138 7.6 271 9.9 313 17.6 1,488 50.9 1,960 106.8 4,170 South 226 6.6 626 12.3 1,228 37.0 5,855 109.4 7,299 211.8 15,234													Region of residence ^k
Midwest 138 7.6 271 9.9 313 17.6 1,488 50.9 1,960 106.8 4,170 5outh 226 6.6 626 12.3 1,228 37.0 5,855 109.4 7,299 211.8 15,234	46.9	4 070	136 7	1 968	62.5	1 445	23.7	357	10.8	224	5.6	76	
South 226 6.6 626 12.3 1,228 37.0 5,855 109.4 7,299 211.8 15,234	37.6												
	73.8												
	35.1	4,418											
Total 525 6.1 1,343 10.3 2,283 26.5 10,358 74.9 13,383 150.7 27,892	52.6	27,892											

Note. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. 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 Includes Asian/Pacific Islander legacy cases (see Technical Notes).

^C Hispanic/Latino persons can be of any race.

d Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^e Data include transgender and additional gender identity persons.

f Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

⁹ Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

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

ⁱ Persons were aged ≥13 years at time of diagnosis of HIV infection.

J Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

k Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. Data are based on address of residence at the end of the specified year (i.e., most recent known address).

Includes persons whose race/ethnicity is unknown.

Table 19b. Persons aged 13–24 years living with diagnosed HIV infection, by age at end of year, sex assigned at birth, and selected characteristics, year-end 2022—United States and 6 territories and freely associated states

	13-14 years	15-17 years	18-19 years	20-22 years	23-24 years	Total
	No.	No.	No.	No.	No.	No.
Sex at birth						
Male	264	731	1,656	8,649	11,407	22,707
Female	262	623	642	1,770	2,083	5,380
Race/ethnicity						
American Indian/Alaska Native	1	2	4	43	59	109
Asian ^a	34	57	56	164	220	531
Black/African American	304	801	1,306	5,741	7,112	15,264
Hispanic/Latino ^b	70	244	565	2,775	3,700	7,354
Native Hawaiian/other Pacific Islander	1	3	2	22	17	45
White	71	156	256	1,238	1,776	3,497
Multiracial	45	91	109	435	605	1,285
Transmission category ^c						
Male sex at birth ^d						
Male-to-male sexual contacte	5	244	1,268	7,612	10,184	19,313
Injection drug use ^f	0	3	8	75	126	212
Male-to-male sexual contact ^e and	Ō	5	27	170	323	524
injection drug use ^f						
Heterosexual contact ^g	0	12	31	219	314	576
Perinatal ^h	206	384	256	480	412	1,737
Other ⁱ	53	84	67	92	49	345
Subtotal	264	731	1,656	8,649	11,407	22,707
Female sex at birth ^d						
Injection drug use ^f	0	10	20	122	161	313
Heterosexual contact ^g	5	82	218	981	1,379	2,665
Perinatal ^h	208	431	326	570	502	2,036
Other ⁱ	49	101	78	97	41	366
Subtotal	262	623	642	1,770	2,083	5,380
Region of residence						
Northeast	76	224	357	1,445	1,968	4,070
Midwest	138	271	313	1,488	1,960	4,170
South	226	626	1,228	5,855	7,299	15,234
West	85	222	385	1,570	2,156	4,418
U.S. territories and freely associated states	1	11	15	61	107	195
Total ^k	526	1,354	2,298	10,419	13,490	28,087

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention through December 2023. 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 Hispanic/Latino persons can be of any race.

Transmission category is classified based on a hierarchy of the risk factors most likely responsible for HIV transmission; classification is determined based on the person's sex assigned at birth. Data have been statistically adjusted to account for missing transmission category; therefore, values may not sum to column subtotals and total.

^d Data include transgender and additional gender identity persons.

e Includes persons assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and persons assigned male sex at birth who have had sexual contact with both males and females (i.e., bisexual contact).

f Includes persons who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to persons if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

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

^h Persons were aged ≥13 years at time of diagnosis of HIV infection.

Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

j Region of residence defined by the U.S. Census Bureau. For more information, see https://www.census.gov/programs-surveys/economic-census/guidance-geographies/levels.html. 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 20. Diagnoses of HIV infection, 2022, and persons living with diagnosed HIV infection (prevalence), year-end 2022, by area of residence—United States and 6 territories and freely associated states

Persons aged 213 yr Children (<13 yr) Total Persons aged 213 yr Children (<13 yr)				Diagnos	ses, 2022 ^a			Prev	valence of d	iagnosed H	IIV infection	n, year-end 20)22
Alasham	ged ≥	-	ged ≥13 yr	Childre	n (<13 yr)	Tot	tal	Persons ag	ed ≥13 yr	Children	ı (<13 yr)	Tot	al
Alaska 38 6.3 0 0.0 33 5.2 788 126.7 2 1.6 Arazona 80 13.7 1 0.1 861 11.7 18.693 298.1 16 16 Arazonas 305 11.9 0 0.0 305 10.0 6.362 248.9 6 1.2 California 4.866 14.7 5 0.1 4.861 12.5 138.531 418.7 183 1.4 Colorado 433 8.7 0 0.0 433 7.4 13.713 274.7 13 1.5 Connecticut 220 7.0 0 0.0 20 6.1 10.638 340.5 8 1.6 Delaware 128 14.7 0 0.0 128 12.6 3.641 417.5 3 2.1 Delaware 128 14.7 0 0.0 128 12.6 3.641 417.5 3 2.1 Delaware 128 14.7 0 0.0 128 12.6 3.641 417.5 3 2.1 Delaware 128 14.7 0 0.0 129 13.6 0.0 1.3 1.6 Colorado 4.290 22.3 12 0.4 4.302 19.3 120.385 626.0 118 3.9 Georgia 2.511 27.4 3 0.2 2.514 23.0 6.0 0.0 2.1 31.4 13.650 2.355 3.6 6.2 Ceorgia 2.511 27.4 3 0.2 2.514 23.0 6.0 0.0 128 12.6 3.641 417.5 3 2.1 Delaware 178 6.4 0 0.0 78 5.4 2.435 199.1 1 0.5 Delaware 178 6.4 0 0.0 178 5.4 2.435 199.1 1 0.5 Delaware 178 6.4 0 0.0 41 2.1 13.85 8.4 4 1.2 Delaware 188 189 189 1 1 0.5 Delaware 189 189 1 1 0.5 Delaware 189 189 189 189 1 1 0.5 Delaware 189 189 189 1 1 0.5 Delaware 189 189 189 189 1 1 0.5 Delaware 189 189 189 1 1 0.5 Delaware 189 189 189 189 1 1 0.5 Delaware 189 189 189 189 189 189 189 189 189 189	Rat	Area of residence	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b	No.	Rate ^b
Arzona 860 13.7 1 0.1 861 11.7 18,693 298.8 18 1.6 Arkansas 305 11.9 0 0.0 305 10.0 6.362 249.9 6 1.2 California 4,866 14.7 5 0.1 4,861 12.5 138,531 418.7 83 1.4 Connecticut 220 7.0 0 0.0 433 7.4 13,713 274.7 13 1.5 Connecticut 220 7.0 0 0.0 433 7.4 13,713 274.7 13 1.5 Connecticut 220 7.0 0 0.0 1220 6.1 10,638 340.5 8 1.6 Delaware 128 14.7 0 0.0 128 12.6 3,641 417.5 3 2.1 District of Columbia 211 36.6 0 0.0 210 31.4 13,550 2,355.3 6 6.2 Florida 4,290 22.3 12 0.4 4,302 19.3 120,385 650.0 118 3.9 Georgia 2,511 27.4 3 0.2 2,514 23.0 60,902 664.1 69 4.0 Hawaii 7.8 6.4 0 0.0 78 5.4 2,435 199.1 1 0.5 Idaho 41 2.5 0 0.0 41 2.1 1,365 84.4 4 1.2 Illinos 1,306 12.2 3 0.2 13.09 10.4 36.225 338.8 52 2.8 Indiana 612 10.7 4 0.4 616 9.0 12,781 223.0 49 4.4 Illinos 1,306 12.2 3 0.2 13.09 10.4 36.225 338.8 52 2.8 Indiana 612 10.7 4 0.4 616 9.0 12,781 223.0 49 4.4 Iowa 133 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 133 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 133 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 133 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 133 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 133 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 133 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 143 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 143 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 153 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 153 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 153 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 153 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 153 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 153 5.4 0 0.0 133 4.5 3616 147.4 5 1.0 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 153 5.4 0 0.0 1.3 36.8 32.1 31.4 Kansas 154 5.2 0 0.0 1.3 36.8 32.1 31.4 Kansas 154 5.2 0 0.		Alabama		1								14,785	291.4
Arkansas 305 11-9 0 0.0 305 10.0 6,362 248.9 6 12 California 4,866 14.7 5 0.1 4,861 12.5 138,531 448.7 83 1.4 Colorado 433 8.7 0 0.0 433 7.4 13,713 274.7 13 1.5 Colorado 433 8.7 0 0.0 220 7.0 1 0.0 1.2 13.7 13,713 274.7 13 1.5 Colorado 433 8.7 0 0.0 220 7.0 1 0.0 1.2 13.7 13,713 274.7 13 1.5 Colorado 42.0 7.0 0 0.0 220 6.1 10,638 340.5 8 1.6 Colorado 42.0 7.0 0 0.0 128 12.6 3,641 417.5 3 2.1 District of Columbia 211 36.6 0 0.0 211 31.4 13,560 2,355.3 6 6.2 Florida 4,290 22.3 12 0.4 4,302 19.3 120,385 626.0 118 3.9 Georgia 2.511 27.4 3 0.2 5.1 13.4 23.0 60,902 66.1 16.9 4.0 Hawaii 78 6.4 0 0.0 78 5.4 2,435 199.1 1 0.5 Idaho 41 2.5 0 0.0 41 2.1 1,355 84.8 4 4 1.2 Ellinois 13,366 12.2 3 0.2 1,309 10.4 36,225 338.8 52 2.8 Indiana 612 10.7 4 0.4 616 9.0 12.781 2230 4.4 4 10wa 123 4.6 0 0.0 133 3.8 3.216 119.4 8 1.6 Kansas 133 5.4 0 0.0 133 3.8 3.216 119.4 8 1.6 Kansas 133 5.4 0 0.0 133 3.8 3.216 119.4 8 1.6 Kansas 133 5.4 0 0.0 133 3.8 3.216 119.4 8 1.6 Kansas 133 5.4 0 0.0 133 3.8 3.516 117.4 5 1.0 Kantucky 405 10.6 0 0.0 405 9.0 8,464 222.5 16 2.3 Louisiana 866 22.3 0 0.0 856 18.6 21.816 563.2 33 3.1 Maine 41 3.4 1 0.6 42 3.0 1,774 146.1 8 4.7 Kansas 134 3.4 1 0.6 74 12.2 3.3 5.00 43.5 3.5 80 643.3 3.3 4.8 Maryand 47.8 14.3 6 0.6 754 12.2 33.5 80 643.8 32.3 3.1 Maine 41 3.4 1 0.6 74 12.2 3.3 5.00 4.9 4.4 Massachusets 438 7.2 1 0.1 639 6.3 21,335 80 643.9 32.3 3.1 Maine 41 3.4 1 0.6 754 12.2 33.5 80 643.9 32.2 3.1 Michigan 629 7.3 2 0.1 631 6.3 17,756 205.5 32 2.2 Michigan 629 7.3 2 0.0 6 754 12.2 33.5 80 643.9 32.2 3.1 Michigan 629 7.3 2 0.1 631 6.3 17,756 205.5 32 2.2 Ellinoisca 2.2 1.0 1.2 49 15.3 9.915 401.2 24.9 14.9 9.1 40.9 Michigan 629 7.3 2 0.0 0.0 11 1.0 72.2 75.3 19.5 11.4 0.9 Michigan 629 7.3 2 0.0 0.0 11 1.0 72.2 75.3 12.2 12.1 Michigan 629 7.3 2 0.0 0.0 11 1.0 72.2 75.3 12.2 12.1 Michigan 629 7.3 2 0.0 0.0 11 1.0 72.2 75.3 12.2 12.1 Michigan 629 7.3 2 0.0 0.0 12.1 1.3 10.2 1.3 13.1 1.2 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4				0								770	105.0
California		Arizona										18,711	254.3
Colorado 433 87 0 0 0.0 433 7.4 13713 2747 13 1.5 Connecticut 220 7.0 0 0 0.0 220 6.1 10,638 340,5 8 1.6 Delaware 128 14.7 0 0.0 128 12.6 3,641 475.5 3 2.1 Delaware 128 14.7 0 0.0 128 12.6 3,641 475.5 3 2.1 Delaware 128 14.7 0 0.0 128 12.6 3,641 475.5 3 2.1 Delaware 128 14.7 0 0.0 128 12.6 3,641 475.5 3 2.1 Delaware 128 14.7 0 0.0 128 12.6 3,641 475.5 3 2.1 Delaware 121 36.6 0 0.0 2.2 11 31.4 13,650 2,355.3 6 6.2 Delaware 121 36.6 0 0.0 2.5 14 23.0 0 60,902 66.1 69 4.0 Delaware 12.8 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5												6,368	209.1
Connecticut 220 7.0 0 0.0 220 6.1 10,538 340,5 8 1.6 Delaware 128 147 0 0.0 1.28 126 3,641 417.5 3 2.1 District of Columbia 211 36.6 0 0.0 211 31.4 13,600 2,355.3 6 6.2 Elbridge 4,290 22.3 12 0.4 4,302 19.3 14.1 13,600 2,355.3 6 6.2 Elbridge 4,290 22.3 12 0.4 4,302 19.3 120,385 6,80.0 118 3.9 Georgia 2,511 27.4 3 0.2 2,514 23.0 60,902 664.1 69 4.0 Elbridge 4,290 22.3 12.0 4.4 20.0 120,385 19.0 118 3.9 Elbridge 4,20 19.3 120,385 6,80.0 118 3.9 Elbridge 4,20 19.3 120,385 6,80.0 118 3.9 Elbridge 4,20 19.3 120,385 6,80.0 118 3.9 Elbridge 4,0 19.5 Elb				-								138,614	355.2
Delaware		Colorado		0								13,726	235.0
District of Columbia 211 36.6 0 0.0 211 31.4 13.560 2,355 36 6.2 Florida 4,290 22.3 12 0.4 4,302 19.3 120,385 626.0 118 3.9 Georgia 2,511 27.4 3 0.2 2,514 23.0 60,902 664.1 69 4.0 Hawaii 78 64 0 0.0 78 5.4 2,435 81.9 1 0.5 Idaho 41 2.5 0 0.0 41 2.1 1,365 84.4 4 1.2 Illiflinois 1,306 12.2 3 0.2 1,309 10.4 36,225 338.8 52 2.8 Illiflinois 1,306 12.2 3 0.2 1,309 10.4 36,225 338.8 5.2 2.8 Illiflinois 1,306 12.2 3 0.2 1,309 10.4 36,225 338.8 5.2 2.8 Illiflinois 1,306 12.2 3 0.2 1,309 10.4 36,225 338.8 5.2 2.8 Illiflinois 1,306 12.2 3 0.2 1,309 10.4 36,225 338.8 5.2 2.8 Illiflinois 1,306 12.2 3 0.2 1,309 10.4 36,225 338.8 5.2 2.8 Illiflinois 1,306 12.2 3 0.2 1,309 10.4 36,225 338.8 5.2 2.8 Illiflinois 1,306 12.2 3 0.2 1,309 10.4 36,225 338.8 5.2 2.8 Illiflinois 1,306 12.2 3 0.0 12.3 3.8 3,216 119.4 8 1.6 Illiflinois 1,306 12.2 3.8 3.216 114.4 5 1.0 Illiflinois 1,306 12.2 3.8 3.216 114.4 3.4 1.0 Illiflinois 1,306 12.2 3.8 3.216 114.4 3.4 1.0 Illiflinois 1,306 12.2 3.8 3.2 1.0 Illiflinois 1,306 12.2 3.8 3.2 1.0 Illiflinois 1,306 12.2 3.8 3.2		Connecticut		0								10,646	293.6
Florida		Delaware		0						-		3,644	357.8
Georgia 2,511 27,4 3 0,2 2,514 23,0 60,902 664,1 69 4,0 1 Hawaii 78 64 0 0,0 78 5,4 2,435 84,4 1 2 1 1,0 5 1 1 1 1 1 1 0,5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		District of Columbia		0		211	31.4			6		13,566	2,019.3
Hawaii	22.	Florida	22.3	12	0.4		19.3			118	3.9	120,503	541.7
Idaho		Georgia		3	0.2	2,514	23.0			69		60,971	558.7
Illinois		Hawaii		0	0.0	78		2,435		1		2,436	169.1
Indiana	2.	Idaho	2.5	0	0.0	41	2.1	1,365		4		1,369	70.6
lowa	12.	Illinois	12.2	3	0.2	1,309	10.4	36,225	338.8	52	2.8	36,277	288.3
Kansas 133 5.4 0 0.0 133 4.5 8,616 147.4 5 1.0 Kentucky 405 10.6 0 0.0 405 9.0 8,464 222.5 16 2.3 Louisiana 856 22.3 0 0.0 455 9.0 8,464 222.5 16 2.3 Louisiana 856 22.3 0 0.0 856 18.6 21,816 568.3 23 3.1 Maine 41 3.4 1 0.6 42 3.0 1,774 146.1 8 4.7 Maryland 748 14.3 6 0.6 754 12.2 33,500 643.8 32 3.4 Massachusetts 438 7.2 1 0.1 439 6.3 21,336 352.7 20 2.1 Minchigan 62.9 7.3 2 0.1 631 6.3 17,596 205.5 32 2.2 Minnesota 261 5.4 1 0.1 262 4.6 17,596 205.5 32 2.2 Minssispip 448 18.1 1 0.2 449 15.3 9,915 401.2 4 0.9 Missouri 512 9.8 0 0.0 512 8.3 13,271 254.3 19 2.0 Montana 11 1.1 0 0.0 11 1.0 722 75.3 2 1.2 Nebraska 91 5.6 0 0.0 91 4.6 24.29 148.9 2 0.6 Nevada 528 19.6 2 0.4 530 16.7 11,750 436.0 7 1.4 New Hampshire 28 2.3 0 0.0 28 2.0 1,385 113.4 3 1.7 New Jersey 1,090 13.9 3 0.2 1,093 11.8 35,300 449.7 39 2.8 New Mexico 94 5.2 0 0.0 94 4.4 4,032 224.3 5 1.6 New York 2,226 13.2 4 0.1 2,230 11.3 124,940 741.9 50 1.8 North Carolina 1353 14.9 2 0.1 1,355 12.7 3,5016 385.0 38 2.4 North Dakota 38 5.9 0 0.0 38 4.9 545 84.3 2 1.5 Ohio 855 8.6 1 0.1 0.1 955 7.4 37,233 34.4 33 1.8 North Dakota 38 5.9 0 0.0 38 4.9 545 84.3 2 1.5 Ohio 855 8.6 1 0.1 0.1 955 7.4 37,233 34.4 33 1.8 North Carolina 17.7 15.9 1 0.1 1.9 55 7.4 37,233 34.4 33 1.8 Rodot 34.4 0.5 22.5 1.5 Ohio 855 8.6 1 0.1 0.1 955 7.4 37,233 34.4 33 1.8 Rodot 34.4 0.5 22.5 1.5 Ohio 855 8.6 1 0.1 0.1 955 7.4 37,233 34.4 33 1.8 Rodot 34.4 0.5 2.2 1.5 Ohio 855 8.6 1 0.1 0.1 955 7.4 37,233 34.4 33 1.8 Rodot 34.4 0.0 0.0 984 1.4 4.5 770 10.2 2 2.1 3 South Dakota 40 5.3 1 0.0 4.4 5.5 770 10.2 2 2.1 3 South Dakota 40 5.8 0.0 1.4 0.0 1.5 95 7.4 37,233 34.4 33 1.8 Rodot 34.4 0.0 0.0 984 9.8 7.264 217.0 11 1.6 Ohio 855 8.6 0 1 0.1 955 7.4 37,233 34.4 33 1.8 Rodot 34.9 54.5 84.3 2 1.5 South Dakota 40 5.3 1 0.0 4.4 4.0 0.0 4.6 6.7 7.1 3.3 2.4 1 1.3 1 0.1 1.8 5.5 7.0 0.0 1.5 4.6 3.6 1.3 1.3 2.4 2.3 7.3 3.4 1.8 Rodot 34.4 0.0 0.0 1.5 5.4 6.3 6.9 1.3 1.3 1.2 2.2 1.3 Tennessee 8.60 14.4 0.0 0.0 1.5 5.4 6.3 6.9 1.3 1.3 1.2 2.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	10.	Indiana	10.7	4	0.4	616	9.0	12,781	223.0	49	4.4	12,830	187.8
Kentucky	4.	lowa	4.6	0	0.0	123	3.8	3,216	119.4	8	1.6	3,224	100.7
Louislane	5.	Kansas	5.4	0	0.0	133	4.5		147.4	5	1.0	3,621	123.3
Louisiana 856 223 0 0 0.0 856 18.6 21.816 568.3 23 3.1 Maine 41 3.4 1 0.6 42 3.0 1,774 146.1 8 4.7 Maryland 748 14.3 6 0.6 754 122 33,580 643.8 32 3.4 Massachusetts 438 7.2 1 0.1 439 6.3 21,336 562.5 20 2.1 Minnesota 629 7.3 2 0.1 631 6.3 17,596 205.5 32 2.2 Minnesota 261 5.4 1 0.1 262 4.6 9,467 196.9 23 2.5 Mississippi 44.8 18.1 1 0.2 449 15.3 9.915 401.2 4 0.9 Mississippi 512 9.8 0 0.0 512 8.3 13,271 254.3 19 2.0 Montana 11 1.1 0 0.0 11 1.0 722 75.3 2 1.2 North Cabrada 528 19.6 0 0.0 91 4.6 2,429 148.9 2 0.6 Nevada 528 19.6 2 0.4 530 16.7 11,750 436.0 7 1.4 New Hampshire 28 2.3 0 0.0 28 2.0 1,385 113.4 3 1.7 New Jersey 1,090 13.9 3 0.2 1,093 11.8 35,360 449.7 39 2.8 New Mexico 94 5.2 0 0.0 94 4.4 4,032 224.3 5 1.6 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Carolina 1,353 14.9 1 0.0 0.8 55 8.6 1 0.1 866 7.3 24,501 246.1 36 2.0 Oklahoma 394 11.8 0 0.0 394 49.8 7,264 21.70 11 1.6 Oregon 250 6.8 1 0.2 251 5.9 7,553 206.5 9 1.5 Pennsylvania 954 8.6 1 0.1 866 7.3 24,501 246.1 36 2.0 Oklahoma 394 11.8 0 0.0 48.8 16.3 10,364 42.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 10,364 42.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 10,364 42.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 10,366 22.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 10,366 22.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 10,366 22.2 379 77.1 0 0 0.0 4 0.0 4 0.0 6 757 133.2 1 1.3 Virginia 834 11.3 1 0.1 492 6.3 14,928	10.	Kentucky	10.6	0	0.0	405			222.5	16		8,480	187.9
Maine 41 3.4 1 0.6 42 3.0 1,774 146.1 8 4.7 Maryland 748 14.3 6 0.6 754 12.2 33,580 643.8 32 3.4 Massachusetts 438 7.2 1 0.1 439 6.3 21,336 352.7 20 2.1 Michigan 629 7.3 2 0.1 631 6.3 17,596 205.5 32 2.2 Michigan 629 7.3 2 0.1 631 6.3 17,596 205.5 32 2.2 Michigan 629 7.3 2 0.1 631 6.3 17,596 205.5 32 2.2 Missouri 512 9.8 0 0.0 512 8.3 13,217 254.3 19 2.0 Mebraska 91 5.6 0 0.0 91 4.6 2,429 148.9 2 0.6		•										21,839	475.8
Maryland 748 14.3 6 0.6 754 12.2 33,580 643.8 32 3.4 Massachusetts 438 7.2 1 0.1 439 6.3 21,336 352.7 20 2.1 Michigan 629 7.3 2 0.1 631 6.3 21,336 352.7 20 2.2 Minnesota 261 5.4 1 0.1 262 4.6 9.467 196.9 23 2.5 Mississippi 448 18.1 1 0.2 449 15.3 9.915 401.2 4 0.9 Missouri 512 9.8 0 0.0 511 1.0 722 75.3 2 1.2 Montana 11 1.1 0 0.0 11 1.0 722 75.3 2 1.2 Mortana 528 19.6 2 0.4 530 16.7 11,750 436.0 7 1.4				1								1,782	128.6
Massachusetts 438 7.2 1 0.1 439 6.3 21,336 352.7 20 2.1 Michigan 629 7.3 2 0.1 631 6.3 17,596 205.5 32 2.2 Minnesota 261 5.4 1 0.1 262 4.6 9,467 196.9 23 2.5 Mississippi 448 18.1 1 0.2 449 15.3 9,915 401.2 4 0.9 Missouri 512 9.8 0 0.0 511 1.0 7.2 75.3 2 1.2 Nebraska 91 5.6 0 0.0 91 4.6 2.429 148.9 2 0.6 Newada 528 19.6 2 0.4 530 16.7 11,750 436.0 7 1.4 New Jersey 1,090 3.9 3 0.2 1,933 11.8 313.0 4 1.7 1.9 <td>14.</td> <td></td> <td>14.3</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>32</td> <td></td> <td>33,612</td> <td>545.2</td>	14.		14.3	6						32		33,612	545.2
Michigan 629 7.3 2 0.1 631 6.3 17,596 205.5 32 2.2 Minnesota 261 5.4 1 0.1 262 4.6 9,467 196.9 23 2.5 Missosipip 448 18.1 1 0.2 449 15.3 9,915 401.2 4 0.9 Missouri 512 9.8 0 0.0 512 8.3 13,271 254.3 19 2.0 Montana 11 1.1 0 0.0 11 1.0 72 75.3 2 1.2 Newada 528 19.6 2 0.4 530 16.7 11,750 436.0 7 1.4 New Hampshire 28 2.3 0 0.0 28 2.0 1,385 113.4 3 1.7 New Jersey 1,090 13.9 3 0.2 1,093 11.8 35,360 449.7 39 2.8 <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>21,356</td> <td>305.9</td>				1								21,356	305.9
MinneSota 261 5.4 1 0.1 262 4.6 9,467 196.9 23 2.5 Mississippi 448 18.1 1 0.2 449 15.3 9,915 401.2 4 0.9 Missouri 512 9.8 0 0.0 512 8.3 13,271 254.3 19 2.0 Montana 11 1.1 0 0.0 0.0 11 1.0 722 75.3 2 1.2 Nebraska 91 5.6 0 0.0 91 4.6 2,429 148.9 2 0.6 Newada 528 19.6 2 0.4 530 16.7 11,750 436.0 7 1.4 New Jersey 1,090 13.9 3 0.2 1,093 11.8 35,360 449.7 39 2.8 New Jersey 1,090 13.9 3 0.2 1,035 11.3 14.94.0 74.1				2								17,628	175.7
Mississippi 448 18.1 1 0.2 249 15.3 9,915 40.12 4 0.9 Missourin 512 9.8 0 0.0 512 8.3 13,271 254.3 19 2.0 Montana 11 1.1 0 0.0 91 4.6 2.429 148.9 2 0.6 Nevada 528 19.6 2 0.4 530 16.7 11,750 436.0 7 1.4 New Hampshire 28 2.3 0 0.0 28 2.0 1,385 113.4 3 1.7 New Jersey 1,090 13.9 3 0.2 1,093 11.8 35,360 449.7 39 2.8 New Mexico 94 5.2 0 0 0 94 4.4 4,032 224.3 5 1.6 New York 2,226 13.2 4 0.1 2,230 11.3 124,940 741.9 <t< td=""><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>9,490</td><td>166.0</td></t<>				1								9,490	166.0
Missouri 512 9.8 0 0.0 512 8.3 13,271 254.3 19 2.0 Montana 11 1.1 0 0.0 11 1.0 722 75.3 2 1.2 Nevada 528 19.6 2 0.4 530 16.7 11,750 436.0 7 1.4 New Hampshire 28 2.3 0 0.0 28 2.0 1,385 113.4 3 1.7 New Hampshire 28 2.3 0 0.0 28 2.0 1,385 113.4 3 1.7 New Jork 2.26 13.9 3 0.2 1.093 11.8 35,360 49.7 39 2.8 New York 2.226 13.2 4 0.1 2.230 11.3 124,940 741.9 50 1.8 North Carolina 1,353 14.9 2 0.1 355 12.7 35,016 385.0 38				1								9,919	337.4
Montana 11 1.1 0 0.0 11 1.0 722 75.3 2 1.2 Nebraska 91 5.6 0 0.0 91 4.6 2,429 148.9 2 0.6 Newadad 528 19.6 2 0.4 530 16.7 11,750 436.0 7 1.4 New Hampshire 28 2.3 0 0.0 28 2.0 1,385 113.4 3 1.7 New Jersey 1,090 13.9 3 0.2 1,093 11.8 35,360 449.7 39 2.8 New Mexico 94 5.2 0 0 0 94 4.4 4032 224.3 5 1.6 New York 2,226 13.2 4 0.1 2,230 11.3 124,940 741.9 50 1.8 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 <				0						19		13,290	215.1
Nebraska 91 5.6 0 0.0 91 4.6 2.429 148.9 2 0.6												724	64.5
Nevada												2,431	123.5
New Hampshire 28 2.3 0 0.0 28 2.0 1,385 113.4 3 1.7												11,757	370.0
New Jersey 1,090 13.9 3 0.2 1,093 11.8 35,360 449.7 39 2.8										3		1,388	99.5
New Mexico 94 5.2 0 0.0 94 4.4 4,032 224.3 5 1.6 New York 2,226 13.2 4 0.1 2,230 11.3 124,940 741.9 50 1.8 North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Dakota 38 5.9 0 0.0 38 4.9 545 84.3 2 1.5 Ohio 855 8.6 1 0.1 856 7.3 24,501 246.1 36 2.0 Oklahoma 394 11.8 0 0.0 394 9.8 7,264 217.0 11 1.6 Oregon 250 6.8 1 0.2 251 5.9 7,553 206.5 9 1.5 Pennsylvania 954 8.6 1 0.1 0.7 69 6.3 2,753 289.4 <t< td=""><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>35,399</td><td>382.2</td></t<>		•										35,399	382.2
New York												4,037	191.0
North Carolina 1,353 14.9 2 0.1 1,355 12.7 35,016 385.0 38 2.4 North Dakota 38 5.9 0 0.0 38 4.9 545 84.3 2 1.5 Ohio 855 8.6 1 0.1 856 7.3 24,501 246.1 36 2.0 Oklahoma 394 11.8 0 0.0 394 9.8 7,264 217.0 11 1.6 Oregon 250 6.8 1 0.2 251 5.9 7,553 206.5 9 1.5 Pennsylvania 954 8.6 1 0.1 955 7.4 37,233 334.4 33 1.8 Rhode Island 68 7.1 1 0.7 69 6.3 2,753 289.4 3 2.1 South Carolina 717 15.9 1 0.1 718 13.6 18,442 409.6 27 3.5 South Dakota 40 5.3 1 0.6 41 4.5 770 102.2 2 1.3 Tennessee 860 14.4 0 0.0 860 12.2 19,351 324.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 105,365 425.2 100 1.9 Utah 155 5.7 0 0.0 155 4.6 3,619 32.5 6 0.9 Vermont 4 0.7 0 0.0 4 0.6 757 133.2 1 1.3 Virginia 834 11.3 1 0.1 835 9.6 24,886 337.8 31 2.4 Washington 491 7.4 1 0.1 492 6.3 14,928 225.6 20 1.7 West Virginia 136 8.9 0 0.0 136 7.7 2,289 149.6 2 0.8 Wisconsin 291 5.8 0 0.0 291 4.9 6,943 138.1 12 1.4 Wyoming 13 2.6 0 0.0 0 291 4.9 6,943 138.1 12 1.4 Wyoming 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2 1 U.S. territories and freely associated states American Samoa 0 0.0 0 0.0 0 0.0 1 2.9 0 0.0												124,990	635.2
North Dakota 38 5.9 0 0.0 38 4.9 545 84.3 2 1.5				-								35,054	327.6
Ohio 855 8.6 1 0.1 856 7.3 24,501 246.1 36 2.0 Oklahoma 394 11.8 0 0.0 394 9.8 7,264 217.0 11 1.6 Oregon 250 6.8 1 0.2 251 5.9 7,553 206.5 9 1.5 Pennsylvania 954 8.6 1 0.1 955 7.4 37,233 334.4 33 1.8 Rhode Island 68 7.1 1 0.7 69 6.3 2,753 289.4 3 2.1 South Carolina 717 15.9 1 0.1 718 13.6 18,442 409.6 27 3.5 South Dakota 40 5.3 1 0.6 41 4.5 770 102.2 2 1.3 Tennessee 860 14.4 0 0.0 860 12.2 19,351 324.2 37 3.												547	70.2
Oklahoma 394 11.8 0 0.0 394 9.8 7,264 217.0 11 1.6 Oregon 250 6.8 1 0.2 251 5.9 7,553 206.5 9 1.5 Pennsylvania 954 8.6 1 0.1 955 7.4 37,233 334.4 33 1.8 Rhode Island 68 7.1 1 0.7 69 6.3 2,753 289.4 3 2.1 South Carolina 717 15.9 1 0.1 718 13.6 18,442 409.6 27 3.5 South Dakota 40 5.3 1 0.6 41 4.5 770 102.2 2 1.3 Tennessee 860 14.4 0 0.0 860 12.2 19,351 324.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 105,365 425.2 100				1								24,537	208.7
Oregon 250 6.8 1 0.2 251 5.9 7,553 206.5 9 1.5 Pennsylvania 954 8.6 1 0.1 955 7.4 37,233 334.4 33 1.8 Rhode Island 68 7.1 1 0.7 69 6.3 2,753 289.4 3 2.1 South Carolina 717 15.9 1 0.1 718 13.6 18,442 409.6 27 3.5 South Dakota 40 5.3 1 0.6 41 4.5 770 102.2 2 1.3 Tennessee 860 14.4 0 0.0 860 12.2 19,351 324.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 105,365 425.2 100 1.9 Utah 155 5.7 0 0.0 155 4.6 3,619 132.5 6 <td< td=""><td></td><td></td><td></td><td>Ò</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>7,275</td><td>181.0</td></td<>				Ò								7,275	181.0
Pennsylvania 954 8.6 1 0.1 955 7.4 37,233 334.4 33 1.8 Rhode Island 68 7.1 1 0.7 69 6.3 2,753 289.4 3 2.1 South Carolina 717 15.9 1 0.1 718 13.6 18,442 409.6 27 3.5 South Dakota 40 5.3 1 0.6 41 4.5 770 102.2 2 1.3 Tennessee 860 14.4 0 0.0 860 12.2 19,351 324.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 105,365 425.2 100 1.9 Utah 155 5.7 0 0.0 155 4.6 3,619 132.5 6 0.9 Vermont 4 0.7 0 0.0 4 0.6 757 133.2 1 1.3<				1								7,562	178.3
Rhode Island 68 7.1 1 0.7 69 6.3 2,753 289.4 3 2.1 South Carolina 717 15.9 1 0.1 718 13.6 18,442 409.6 27 3.5 South Dakota 40 5.3 1 0.6 41 4.5 770 102.2 2 1.3 Tennessee 860 14.4 0 0.0 860 12.2 19,351 324.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 105,365 425.2 100 1.9 Utah 155 5.7 0 0.0 155 4.6 3,619 132.5 6 0.9 Vermont 4 0.7 0 0.0 4 0.6 757 133.2 1 1.3 Virginia 834 11.3 1 0.1 492 6.3 14,928 225.6 20 1.7 <td></td> <td>•</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>37,266</td> <td>287.3</td>		•		1								37,266	287.3
South Carolina 717 15.9 1 0.1 718 13.6 18,442 409.6 27 3.5 South Dakota 40 5.3 1 0.6 41 4.5 770 102.2 2 1.3 Tennessee 860 14.4 0 0.0 860 12.2 19,351 324.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 105,365 425.2 100 1.9 Utah 155 5.7 0 0.0 155 4.6 3,619 132.5 6 0.9 Vermont 4 0.7 0 0.0 4 0.6 757 133.2 1 1.3 Virginia 834 11.3 1 0.1 835 9.6 24,886 337.8 31 2.4 Washington 491 7.4 1 0.1 492 6.3 14,928 225.6 20 1.7 </td <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,756</td> <td>252.0</td>				1								2,756	252.0
South Dakota 40 5.3 1 0.6 41 4.5 770 102.2 2 1.3 Tennessee 860 14.4 0 0.0 860 12.2 19,351 324.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 105,365 425.2 100 1.9 Utah 155 5.7 0 0.0 155 4.6 3,619 132.5 6 0.9 Vermont 4 0.7 0 0.0 4 0.6 757 133.2 1 1.3 Virginia 834 11.3 1 0.1 835 9.6 24,886 337.8 31 2.4 Washington 491 7.4 1 0.1 492 6.3 14,928 225.6 20 1.7 West Virginia 136 8.9 0 0.0 291 4.9 6,943 138.1 12 1.4				1								18,469	349.6
Tennessee 860 14.4 0 0.0 860 12.2 19,351 324.2 37 3.4 Texas 4,896 19.8 2 0.0 4,898 16.3 105,365 425.2 100 1.9 Utah 155 5.7 0 0.0 155 4.6 3,619 132.5 6 0.9 Vermont 4 0.7 0 0.0 4 0.6 757 133.2 1 1.3 Virginia 834 11.3 1 0.1 835 9.6 24,886 337.8 31 2.4 Washington 491 7.4 1 0.1 492 6.3 14,928 225.6 20 1.7 West Virginia 136 8.9 0 0.0 136 7.7 2,289 149.6 2 0.8 Wisconsin 291 5.8 0 0.0 291 4.9 6,943 138.1 12 1.4 Wyoming 13 2.6 0 0.0 13 2.2 379 77.1 0 0.0 Subtotal 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2 1 U.S. territories and freely associated states American Samoa 0 0.0 0 0.0 0.0 0.0 1 2.9 0 0.0				1								772	84.9
Texas 4,896 19.8 2 0.0 4,898 16.3 105,365 425.2 100 1.9 Utah 155 5.7 0 0.0 155 4.6 3,619 132.5 6 0.9 Vermont 4 0.7 0 0.0 4 0.6 757 133.2 1 1.3 Virginia 834 11.3 1 0.1 835 9.6 24,886 337.8 31 2.4 Washington 491 7.4 1 0.1 492 6.3 14,928 225.6 20 1.7 West Virginia 136 8.9 0 0.0 136 7.7 2,289 149.6 2 0.8 Wisconsin 291 5.8 0 0.0 291 4.9 6,943 138.1 12 1.4 Wyoming 13 2.6 0 0.0 13 2.2 379 77.1 0 0.0												19,388	275.0
Utah 155 5.7 0 0.0 155 4.6 3,619 132.5 6 0.9 Vermont 4 0.7 0 0.0 4 0.6 757 133.2 1 1.3 Virginia 834 11.3 1 0.1 835 9.6 24,886 337.8 31 2.4 Washington 491 7.4 1 0.1 492 6.3 14,928 225.6 20 1.7 West Virginia 136 8.9 0 0.0 136 7.7 2,289 149.6 2 0.8 Wisconsin 291 5.8 0 0.0 291 4.9 6,943 138.1 12 1.4 Wyoming 13 2.6 0 0.0 13 2.2 379 77.1 0 0.0 Subtotal 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2												105,465	351.2
Vermont 4 0.7 0 0.0 4 0.6 757 133.2 1 1.3 Virginia 834 11.3 1 0.1 835 9.6 24,886 337.8 31 2.4 Washington 491 7.4 1 0.1 492 6.3 14,928 225.6 20 1.7 West Virginia 136 8.9 0 0.0 136 7.7 2,289 149.6 2 0.8 Wisconsin 291 5.8 0 0.0 291 4.9 6,943 138.1 12 1.4 Wyoming 13 2.6 0 0.0 13 2.2 379 77.1 0 0.0 Subtotal 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2 1 U.S. territories and freely associated states 2 0 0 0 0 0 0 0 <td></td> <td>3,625</td> <td>107.2</td>												3,625	107.2
Virginia 834 11.3 1 0.1 835 9.6 24,886 337.8 31 2.4 Washington 491 7.4 1 0.1 492 6.3 14,928 225.6 20 1.7 West Virginia 136 8.9 0 0.0 136 7.7 2,289 149.6 2 0.8 Wisconsin 291 5.8 0 0.0 291 4.9 6,943 138.1 12 1.4 Wyoming 13 2.6 0 0.0 13 2.2 379 77.1 0 0.0 Subtotal 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2 1 U.S. territories and freely associated states American Samoa 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>758</td><td>117.1</td></t<>												758	117.1
Washington 491 7.4 1 0.1 492 6.3 14,928 225.6 20 1.7 West Virginia 136 8.9 0 0.0 136 7.7 2,289 149.6 2 0.8 Wisconsin 291 5.8 0 0.0 291 4.9 6,943 138.1 12 1.4 Wyoming 13 2.6 0 0.0 13 2.2 379 77.1 0 0.0 Subtotal 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2 1 U.S. territories and freely associated states American Samoa 0 0.0 0				1		•				•		24,917	286.9
West Virginia 136 8.9 0 0.0 136 7.7 2,289 149.6 2 0.8 Wisconsin 291 5.8 0 0.0 291 4.9 6,943 138.1 12 1.4 Wyoming 13 2.6 0 0.0 13 2.2 379 77.1 0 0.0 Subtotal 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2 1 U.S. territories and freely associated states American Samoa 0 0.0 0 0 0 1 2.9 0 0.0				1								14,948	192.0
Wisconsin 291 5.8 0 0.0 291 4.9 6,943 138.1 12 1.4 Wyoming 13 2.6 0 0.0 13 2.2 379 77.1 0 0.0 Subtotal 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2 1 U.S. territories and freely associated states American Samoa 0 0.0 0 0.0 0 0 1 2.9 0 0.0				'n								2,291	129.1
Wyoming 13 2.6 0 0.0 13 2.2 379 77.1 0 0.0 Subtotal 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2 1 U.S. territories and freely associated states American Samoa 0 0.0 0 0 0 1 2.9 0 0.0												6,955	118.0
Subtotal 37,601 13.3 62 0.1 37,663 11.3 1,092,023 386.6 1,124 2.2 1 U.S. territories and freely associated states American Samoa 0 0.0 0 0.0 0 0.0 1 2.9 0 0.0												379	65.2
U.S. territories and freely associated states American Samoa 0 0.0 0 0.0 0 0.0 1 2.9 0 0.0												1,093,147	328.0
associated states American Samoa 0 0.0 0 0.0 1 2.9 0 0.0	13.		13.3	02	0.1	37,003	11.3	1,092,023	300.0	1,124	2.2	1,093,147	320.0
0 00 0 00 0 00 00 00 00 00 00 00 00 00	0.	American Samoa	0.0	0		0				0		1	2.2
Guam 0 0.0 0 0.0 0 0.0 109 84.2 0 0.0		Guam	0.0	0	0.0	0	0.0	109	84.2	0	0.0	109	64.5
Northern Mariana Islands 0 0.0 0 0.0 0 0.0 15 36.1 0 0.0												15	29.1
Puerto Rico 365 12.6 0 0.0 365 11.3 15,574 539.4 1 0.3						365				1		15,575	483.4
Republic of Palau 0 0.0 0 0.0 9 48.7 0 0.0										0		9	41.5
U.S. Virgin Islands 15 17.1 0 0.0 15 14.2 561 638.6 1 5.7										1		562	533.1
Subtotal 380 11.9 0 0.0 380 10.5 16,269 508.4 2 0.5										2		16,271	450.1
·												1,109,418	329.3

Abbreviations: yr, years; CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Prevalence data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Data are based on residence at HIV diagnosis.

^b Rates are per 100,000 population.

Table 21. Persons aged ≥13 years living with diagnosed HIV infection, by race/ethnicity and area of residence, year-end 2022—United States and 6 territories and freely associated states

		an Indian/ a Native	Asi	an ^a		African rican	Hispani	c/Latino ^b		Hawaiian/ ific Islander	Wh	nite	Multi	iracial	Tot	tal ^c
Area of residence	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated
Alabama	10	39.0	45	67.3	9,173	823.1	598	331.8	3	135.6	3,921	137.8	973	1,682.6	14,761	343.8
Alaska	195	226.2	31	76.0	102	510.7	98	232.9	5	59.1	296	79.3	41	116.6	768	126.7
Arizona	730	322.5	255	109.4	2,592	893.9	6,284	332.2	30	243.0	8,095	232.2	664	567.7	18,693	298.8
Arkansas	7	33.8	29	65.2	2,675	705.1	547	280.1	4	42.6	2,674	143.5	422	965.2	6,362	248.9
California	269	195.3	6,037	114.0	21,875	1,162.5	57,674	454.6	250	201.2	46,059	379.7	6,358	762.6	138,531	418.7
Colorado	83	256.7	183	104.4	2,100	1,041.4	3,562	344.1	20	272.6	7,387	215.0	333	315.9	13,713	274.7
Connecticut	12	180.0	119	76.9	3,465	1,052.4	3,788	732.1	7	639.3	2,972	143.8	274	560.2	10,638	340.5
Delaware	4	145.7	20	54.6	1,999	1,046.2	375	476.0	1	361.0	1,075	197.2	166	958.7	3,641	417.5
District of Columbia	14	1,099.8	83	298.8	9,452	3,876.1	1,298	2,103.5	6	1,714.3	1,906	835.6	797	6,291.4	13,560	2,355.3
Florida	80	157.9	758	130.3	51,067	1,801.4	33,756	666.7	51	394.6	31,581	303.5	3,087	1,098.8	120,385	626.0
Georgia	17	77.0	313	72.9	41,394	1,421.5	5,467	627.0	17	282.5	9,941	207.9	3,747	2,524.1	60,902	664.1
Hawaii	2	73.0	404	85.2	121	499.8	331	289.5	217	190.8	1,040	376.9	320	146.7	2,435	199.1
Idaho	10	58.9	13	51.4	119	958.5	276	139.7	0	0.0	890	66.8	57	185.9	1,365	84.4
Illinois	27	157.9	522	79.3	15,648	1,059.1	8,129	440.3	18	570.9	9,031	138.1	2,849	1,858.2	36,225	338.8
Indiana	11	78.1	233	150.3	4,851	891.7	1,457	355.9	5	211.6	5,657	125.3	567	614.4	12,781	223.0
lowa	9	109.8	67	92.6	728	707.7	412	250.4	6	130.0	1,795	78.0	199	516.3	3,216	119.4
Kansas	18	89.4	58	74.8	894	643.2	691	239.3	2	75.8	1,772	94.8	179	324.0	3,616	147.4
Kentucky	4	46.1	67	105.9	2,490	798.0	838	585.4	1	32.8	4,502	140.0	561	943.3	8,464	222.5
Louisiana	35	134.9	88	121.1	14,534	1,202.5	1,383	693.5	3	198.9	5,251	230.1	519	1057.9	21,816	568.3
Maine	8	106.7	13	79.0	325	1,650.4	138	599.3	0	0.0	1,226	108.6	63	349.6	1,774	146.1
Maryland	19	147.4	274	75.3	23,894	1,506.3	2,776	522.0	4	151.5	4,001	153.4	2,612	2,359.0	33,580	643.8
Massachusetts	26	236.1	486	107.3	6,455	1,475.3	5,984	835.1	8	307.3	7,900	182.4	475	490.0	21,336	352.7
Michigan	26	52.7	152	51.5	9,384	827.6	1,390	314.1	4	158.6	5,908	91.3	729	429.7	17,596	205.5
Minnesota	115	242.3	203	82.4	3,489	1,095.5	1,167	456.6	5	192.1	3,966	103.2	517	558.3	9,467	196.9
Mississippi	12	97.1	20	70.4	7,228	796.9	363	463.5	3	289.6	1,870	131.8	384	1,524.1	9,915	401.2
Missouri	12	50.0	104	87.5	5,651	976.5	940	418.2	8	104.8	5,954	142.9	601	615.5	13,271	254.3
Montana	25	48.5	6	59.3	24	464.4	67	177.4	1	127.7	564	67.8	35	161.0	722	75.3
Nebraska	29	227.3	56	129.2	651	841.5	459	261.9	3	272.2	1,141	88.2	90	334.8	2,429	148.9
Nevada	45	195.5	383	151.6	3,059	1,212.3	3,430	451.0	49	267.3	4,254	326.4	528	625.9	11,750	436.0
New Hampshire	1	37.5	25	67.3	177	951.5	207	413.9	1	286.5	923	84.3	50	295.9	1,385	113.4
New Jersey	13	110.5	360	44.5	14,497	1,427.6	11,523	712.8	6	222.4	6,236	145.0	2,678	2,525.0	35,360	449.7
New Mexico	321	206.3	17	54.0	184	517.3	2,069	239.5	2	161.9	1,245	182.0	194	757.0	4,032	224.3
New York	46	90.4	2,278	143.6	45,950	1,896.5	45,639	1,452.4	31	391.1	21,383	228.3	9,343	3,534.7	124,940	741.9
North Carolina	164	174.3	237	77.5	20,534	1,074.9	3,562	428.1	15	240.3	8,307	143.5	2,190	1,409.7	35,016	385.0
North Dakota	32	111.1	8	75.7	219	1,104.8	39	155.5	0	0.0	227	41.2	20	178.3	545	84.3
Ohio	7	34.5	137	51.9	10,763	874.3	1,963	497.2	2	43.1	10,236	130.3	1,334	725.4	24,501	246.1
Oklahoma	348	128.6	115	137.0	1,733	699.7	945	267.0	11	180.0	3,562	160.7	550	326.7	7,264	217.0
Oregon	52	128.7	167	91.3	590	813.7	1,299	275.7	22	145.3	5,145	186.0	278	252.4	7,553	206.5
Pennsylvania	39	235.8	338	77.2	16,839	1,442.6	7,153	843.8	15	442.9	10,625	125.0	2,221	1,373.1	37,233	334.4
Rhode Island	6	153.5	43	130.6	601	1,027.8	830	560.2	2	351.5	1,175	170.4	96	541.6	2,753	289.4
South Carolina	12	69.8	66	76.1	11,318	997.6	1,279	488.4	4	145.1	4,324	147.4	1,431	2164.8	18,442	409.6

Table 21. Persons aged ≥13 years living with diagnosed HIV infection, by race/ethnicity and area of residence, year-end 2022—United States and 6 territories and freely associated states (cont)

		n Indian/ Native	Asi	ian ^a		African rican	Hispanio	:/Latino ^b		lawaiian/ fic Islander	Wh	ite	Multi	racial	Tota	al ^c
Area of residence	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rate ^d	No.	Rated	No.	Rated	No.	Rated
South Dakota	124	236.8	6	46.8	163	991.0	81	267.5	0	0.0	357	56.9	39	279.4	770	102.2
Tennessee	8	43.8	98	82.3	10,192	1,070.8	1,409	432.6	3	87.1	6,660	149.4	979	1062.1	19,351	324.2
Texas	38	44.1	1,154	83.2	36,446	1184.5	38,865	408.8	24	101.9	22,488	217.0	6,343	1,893.8	105,365	425.2
Utah	38	151.5	91	121.4	329	994.2	1,063	277.5	23	81.8	1,970	92.2	102	197.2	3,619	132.5
Vermont	0	0.0	18	158.6	81	1,075.1	75	611.7	0	0.0	544	103.6	39	408.5	757	133.2
Virginia	16	77.5	388	72.6	13,789	983.4	2,808	398.3	11	195.4	6,615	146.2	1,234	712.5	24,886	337.8
Washington	112	138.1	577	83.9	2,573	949.0	2,694	328.4	67	137.6	7,824	175.1	1,078	447.2	14,928	225.6
West Virginia	0	0.0	13	94.0	376	686.9	130	447.6	0	0.0	1,614	114.9	155	647.6	2,289	149.6
Wisconsin	24	55.1	93	61.8	2,257	777.1	1,756	524.6	3	156.5	2,529	61.2	280	384.8	6,943	138.1
Wyoming	11	114.7	3	57.8	20	392.1	71	149.7	0	0.0	257	61.8	17	213.9	379	77.1
Subtotal	3,266	160.6	17,254	99.3	435,070	1,243.8	269,138	533.6	973	186.1	306,875	178.7	58,798	1,078.8	1,092,023	386.6
U.S. territories and freely associated states ^e																
American Samoa	0	_	0	_	0	_	0	_	0	_	0	_	1	_	1	2.9
Guam	0	_	56	_	4	_	7	_	23	_	11	_	8	_	109	84.2
Northern Mariana Islands	1	_	5	_	0	_	0	_	4	_	2	_	3	_	15	36.1
Puerto Rico	1	_	2	_	23	_	15,492	_	1	_	50	_	5	_	15,574	539.4
Republic of Palau	0	_	2	_	0	_	1	_	6	_	0	_	0	_	9	48.7
U.S. Virgin Islands	0	_	3	_	301	_	205	_	0	_	42	_	7	_	561	638.6
Subtotal	2	_	68	_	328	_	15,705	_	34	_	105	_	24	_	16,269	508.4
Total	3,268	_	17,322	_	435,398	_	284,843	_	1,007	_	306,980	_	58,822	_	1,108,292	387.9

Abbreviation: CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. U.S. territories and freely associated states include American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Republic of Palau. Data for the year 2022 are preliminary and based on deaths reported to CDC as of December 2023. Numbers less than 12, and rates based on these numbers, should be interpreted with caution. Data are based on address of residence at the end of the specified year (i.e., most recent known address).

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

b Hispanic/Latino persons can be of any race.

^c Includes persons whose race/ethnicity is unknown.

d Rates are per 100,000 population.

e Rates by race/ethnicity are not provided because U.S. census information is limited for U.S. territories and freely associated states.

Table 22. Diagnoses of HIV infection, 2022, and persons living with diagnosed HIV infection (prevalence), year-end 2022, by metropolitan statistical area of residence—United States and Puerto Rico

)iagnoses, 2022	Prevalence of diagnosed HIV infection year-end 2022 ^b			
MSA of residence	No.	Rate ^c	Rank ^d	No.	Rate ^c	
Akron, OH	40	5.7	95	1,162	166.6	
Albany-Schenectady-Troy, NY	55	6.1	89	2,197	242.9	
Albuquerque, NM	46	5.0	99	2,054	223.4	
Allentown–Bethlehem–Easton, PA–NJ	42	4.8	100	1,805	207.2	
Atlanta–Sandy Springs–Alpharetta, GA	1,719	27.6	3	41,799	671.8	
Augusta–Richmond County, GA–SC	107	17.1	15	2,670	427.8	
Austin-Round Rock-Georgetown, TX	337	13.9	29	7,312	302.0	
Bakersfield, CA	203	22.2		2,263	247.0	
,	309		4			
Baltimore–Columbia–Towson, MD		10.9	56	16,846	594.1	
Baton Rouge, LA	192	22.0	5	5,340	611.6	
Birmingham–Hoover, AL	166	14.9	22	4,462	399.5	
Boise City, ID	27	3.3	109	226	27.9	
Boston–Cambridge–Newton, MA–NH ^e	321	6.6	86	14,578	297.5	
Boston Division	187	9.2	_	8,252	407.5	
Cambridge Division	126	5.2	_	6,091	251.3	
Buffalo-Cheektowaga, NY	71	6.1	88	2,653	228.5	
Cape Coral-Fort Myers, FL	84	10.2	61	2,402	292.1	
Charleston–North Charleston, SC	135	16.3	17	2,741	330.0	
Charlotte-Concord-Gastonia, NC-SC	436	15.8	18	10,041	364.3	
Chattanooga, TN-GA	59	10.3	60	1,368	238.1	
Chicago-Naperville-Elgin, IL-IN-WI	1,137	12.0	47	30,745	325.6	
Chicago Division	977	13.8	<u></u>	27,703	390.6	
Elgin Division	49	6.5	_	534	71.0	
Gary Division	63	8.7	_	1,375	190.6	
· · · · · · · · · · · · · · · · · · ·	48	5.5	_		129.2	
Lake County Division			-	1,133		
Cincinnati, OH–KY–IN	162	7.2	79	4,874	215.2	
Cleveland–Elyria, OH	164	7.9	77 	5,850	283.5	
Colorado Springs, CO	66	8.6	72	1,119	146.2	
Columbia, SC	128	15.1	20	4,313	508.8	
Columbus, OH	244	11.3	52	6,304	291.6	
Dallas-Fort Worth-Arlington, TX	1,475	18.6	13	32,778	412.6	
Dallas Division	1,122	21.0	_	25,489	476.2	
Fort Worth Division	353	13.6	_	7,289	281.3	
Dayton–Kettering, OH	74	9.1	66	1,899	233.7	
Deltona-Daytona Beach-Ormond Beach, FL	82	11.6	50	2,234	316.5	
Denver-Aurora-Lakewood, CO	270	9.0	69	9,895	331.4	
Des Moines-West Des Moines, IA	43	5.9	93	1,112	152.5	
Detroit–Warren–Dearborn, MI	395	9.1	68	11,102	255.5	
Detroit Division	249	14.2	_	7,254	412.9	
Warren Division	146	5.6	_	3,848	148.6	
Durham-Chapel Hill, NC	87	13.1	38	2,647	398.5	
•	132	15.1	19	2,667	305.8	
El Paso, TX						
Fayetteville, NC	103	19.5	10	2,078	392.6	
Fayetteville–Springdale–Rogers, AR–MO	39	6.8	84	715	124.0	
Fresno, CA	170	16.7	16	2,327	229.2	
Grand Rapids–Wyoming, MI	52	4.8	102	1,389	126.9	
Greensboro-High Point, NC	107	13.6	33	2,937	374.6	
Greenville-Anderson, SC	108	11.3	53	2,421	252.5	
Harrisburg–Carlisle, PA	39	6.5	87	1,518	251.5	
Honolulu (Urban), HI	53	5.3	97	1,527	153.4	
Houston–The Woodlands–Sugar Land, TX	1,532	20.9	8	34,629	471.8	
Huntsville, AL	59	11.5	51	1,028	199.8	
Indianapolis-Carmel-Anderson, IN	322	15.0	21	6,347	296.3	

Table 22. Diagnoses of HIV infection, 2022, and persons living with diagnosed HIV infection (prevalence), year-end 2022, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence No. Jacksonville, FL 318 Kansas City, MO–KS 198 Knoxville, TN 96 Lakeland–Winter Haven, FL 114 Lancaster, PA 17 Lansing–East Lansing, MI 28 Las Vegas–Henderson–Paradise, NV 48 Lexington–Fayette, KY 67 Little Rock–North Little Rock–Conway, AR 112 Los Angeles–Long Beach–Anaheim, CA 1,859 Anaheim Division 257 Los Angeles Division 1,602 Louisville/Jefferson County, KY–IN 222 Madison, WI 47 McAllen–Edinburg–Mission, TX 107 Memphis, TN–MS–AR 397 Miami–Fort Lauderdale–Pompano Beach, FL 1,890 Fort Lauderdale Division 587 Mismi Division 1,023 West Palm Beach Division 286 Milwaukee–Waukesha, WI 142 Minneapolis–St. Paul–Bloomington, MN–WI 220 Modesto, CA 56 Myrtle Beach–Conway–North Myrtle Beach, SC–NC 56 <th>8.8 10.6 14.5 3.1 4.6 20.9 11.8 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8</th> <th>Frank^d 12 70 57 26 110 104 7 48 24 27 — 14</th> <th>No. 7,707 4,816 1,495 2,953 829 676 10,055 1,387 2,397 58,340 7,328 51,012</th> <th>Rate^c 459.9 218.0 164.7 375.0 148.9 125.0 432.8 267.8 316.4 453.2</th>	8.8 10.6 14.5 3.1 4.6 20.9 11.8 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8	Frank ^d 12 70 57 26 110 104 7 48 24 27 — 14	No. 7,707 4,816 1,495 2,953 829 676 10,055 1,387 2,397 58,340 7,328 51,012	Rate ^c 459.9 218.0 164.7 375.0 148.9 125.0 432.8 267.8 316.4 453.2
Kansas City, MO–KS Knoxville, TN Lakeland–Winter Haven, FL Lancaster, PA Lansing–East Lansing, MI Las Vegas–Henderson–Paradise, NV Lexington–Fayette, KY Little Rock–North Little Rock–Conway, AR Los Angeles–Long Beach–Anaheim, CA Anaheim Division Los Angeles Division Louisville/Jefferson County, KY–IN Madison, WI McAllen–Edinburg–Mission, TX Memphis, TN–MS–AR Miami–Fort Lauderdale–Pompano Beach, FL Fort Lauderdale Division Miami Division Los Pompano Beach, FL Fort Lauderdale Division Miami Division Miami Division Mission Miami Division Mission M	8.8 10.6 14.5 3.1 4.6 20.9 11.8 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8	70 57 26 110 104 7 48 24 27 —	4,816 1,495 2,953 829 676 10,055 1,387 2,397 58,340 7,328	218.0 164.7 375.0 148.9 125.0 432.8 267.8 316.4 453.2
Knoxville, TN Lakeland-Winter Haven, FL Lancaster, PA Lansing-East Lansing, MI Las Vegas-Henderson-Paradise, NV Lexington-Fayette, KY Little Rock-North Little Rock-Conway, AR Los Angeles-Long Beach-Anaheim, CA Anaheim Division Los Angeles Division Los Angeles Division Louisville/Jefferson County, KY-IN Madison, WI McAllen-Edinburg-Mission, TX Memphis, TN-MS-AR Miami-Fort Lauderdale-Pompano Beach, FL Fort Lauderdale Division Miami Division West Palm Beach Division Milwaukee-Waukesha, WI Minneapolis-St. Paul-Bloomington, MN-WI Modesto, CA Myrtle Beach-Conway-North Myrtle Beach, SC-NC Nashville-Davidson-Murfreesboro-Franklin, TN 296	10.6 14.5 3.1 4.6 20.9 11.8 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8	57 26 110 104 7 48 24 27 —	1,495 2,953 829 676 10,055 1,387 2,397 58,340 7,328	164.7 375.0 148.9 125.0 432.8 267.8 316.4 453.2
Lakeland-Winter Haven, FL Lancaster, PA Lansing-East Lansing, MI Las Vegas-Henderson-Paradise, NV Lexington-Fayette, KY Little Rock-North Little Rock-Conway, AR Los Angeles-Long Beach-Anaheim, CA Anaheim Division Los Angeles Division Los Angeles Division Louisville/Jefferson County, KY-IN Madison, WI McAllen-Edinburg-Mission, TX Memphis, TN-MS-AR Miami-Fort Lauderdale-Pompano Beach, FL Fort Lauderdale Division Miami Division West Palm Beach Division Milwaukee-Waukesha, WI Minneapolis-St. Paul-Bloomington, MN-WI Modesto, CA Myrtle Beach-Conway-North Myrtle Beach, SC-NC Nashville-Davidson-Murfreesboro-Franklin, TN 17 17 18 19 19 10 11 11 11 11 11 11 11 11 11 11 11 11	14.5 3.1 4.6 20.9 11.8 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8	26 110 104 7 48 24 27 —	2,953 829 676 10,055 1,387 2,397 58,340 7,328	375.0 148.9 125.0 432.8 267.8 316.4 453.2
Lancaster, PA Lansing–East Lansing, MI Las Vegas–Henderson–Paradise, NV Lexington–Fayette, KY 6 Little Rock–North Little Rock–Conway, AR Los Angeles–Long Beach–Anaheim, CA Anaheim Division Los Angeles Division Los Angeles Division Los Angeles Division Louisville/Jefferson County, KY–IN Madison, WI McAllen–Edinburg–Mission, TX Memphis, TN–MS–AR Miami–Fort Lauderdale–Pompano Beach, FL Fort Lauderdale Division Miami Division S8 Miami Division Mismi Divisi	3.1 4.6 20.9 11.8 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8	110 104 7 48 24 27 —	829 676 10,055 1,387 2,397 58,340 7,328	148.9 125.0 432.8 267.8 316.4 453.2
Lansing-East Lansing, MI 25 Las Vegas-Henderson-Paradise, NV 485 Lexington-Fayette, KY 67 Little Rock-North Little Rock-Conway, AR 112 Los Angeles-Long Beach-Anaheim, CA 1,855 Anaheim Division 257 Los Angeles Division 1,602 Louisville/Jefferson County, KY-IN 222 Madison, WI 47 McAllen-Edinburg-Mission, TX 107 Memphis, TN-MS-AR 397 Miami-Fort Lauderdale-Pompano Beach, FL 1,890 Fort Lauderdale Division 587 Miami Division 1,023 West Palm Beach Division 286 Milwaukee-Waukesha, WI 142 Minneapolis-St. Paul-Bloomington, MN-WI 220 Modesto, CA 56 Myrtle Beach-Conway-North Myrtle Beach, SC-NC 56 Nashville-Davidson-Murfreesboro-Franklin, TN 205	4.6 20.9 11.8 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8	104 7 48 24 27 —	676 10,055 1,387 2,397 58,340 7,328	125.0 432.8 267.8 316.4 453.2
Las Vegas-Henderson-Paradise, NV 485 Lexington-Fayette, KY 67 Little Rock-North Little Rock-Conway, AR 112 Los Angeles-Long Beach-Anaheim, CA 1,859 Anaheim Division 257 Los Angeles Division 1,602 Louisville/Jefferson County, KY-IN 222 Madison, WI 47 McAllen-Edinburg-Mission, TX 107 Memphis, TN-MS-AR 397 Miami-Fort Lauderdale-Pompano Beach, FL 1,890 Fort Lauderdale Division 587 Miami Division 1,023 West Palm Beach Division 286 Milwaukee-Waukesha, WI 142 Minneapolis-St. Paul-Bloomington, MN-WI 220 Modesto, CA 56 Myrtle Beach-Conway-North Myrtle Beach, SC-NC 56 Nashville-Davidson-Murfreesboro-Franklin, TN 205	20.9 11.8 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8	7 48 24 27 —	10,055 1,387 2,397 58,340 7,328	432.8 267.8 316.4 453.2
Lexington-Fayette, KY 6' Little Rock-North Little Rock-Conway, AR 112 Los Angeles-Long Beach-Anaheim, CA 1,859 Anaheim Division 257 Los Angeles Division 1,602 Louisville/Jefferson County, KY-IN 222 Madison, WI 4' McAllen-Edinburg-Mission, TX 107 Memphis, TN-MS-AR 397 Miami-Fort Lauderdale-Pompano Beach, FL 1,890 Fort Lauderdale Division 58' Miami Division 1,023 West Palm Beach Division 286 Milwaukee-Waukesha, WI 142 Minneapolis-St. Paul-Bloomington, MN-WI 220 Modesto, CA 56 Myrtle Beach-Conway-North Myrtle Beach, SC-NC 56 Nashville-Davidson-Murfreesboro-Franklin, TN 205	11.8 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8	48 24 27 —	1,387 2,397 58,340 7,328	267.8 316.4 453.2
Little Rock-North Little Rock-Conway, AR 112 Los Angeles-Long Beach-Anaheim, CA 1,859 Anaheim Division 257 Los Angeles Division 1,602 Louisville/Jefferson County, KY-IN 222 Madison, WI 4* McAllen-Edinburg-Mission, TX 107 Memphis, TN-MS-AR 397 Miami-Fort Lauderdale-Pompano Beach, FL 1,890 Fort Lauderdale Division 58* Miami Division 1,023 West Palm Beach Division 286 Milwaukee-Waukesha, WI 142 Minneapolis-St. Paul-Bloomington, MN-WI 220 Modesto, CA 56 Myrtle Beach-Conway-North Myrtle Beach, SC-NC 56 Nashville-Davidson-Murfreesboro-Franklin, TN 205	2 14.8 14.4 8.2 16.5 17.3 6.0 12.0 29.8	24 27 — —	2,397 58,340 7,328	316.4 453.2
Los Angeles—Long Beach—Anaheim, CA 1,859 Anaheim Division 257 Los Angeles Division 1,602 Louisville/Jefferson County, KY–IN 222 Madison, WI 47 McAllen—Edinburg—Mission, TX 107 Memphis, TN–MS–AR 397 Miami–Fort Lauderdale—Pompano Beach, FL 1,890 Fort Lauderdale Division 587 Miami Division 1,023 West Palm Beach Division 286 Milwaukee—Waukesha, WI 142 Modesto, CA 56 Myrtle Beach—Conway—North Myrtle Beach, SC—NC 56 Nashville—Davidson—Murfreesboro—Franklin, TN 205	14.4 8.2 16.5 17.3 6.0 12.0 29.8	27 — —	58,340 7,328	453.2
Anaheim Division 257 Los Angeles Division 1,602 Louisville/Jefferson County, KY-IN 222 Madison, WI 4° McAllen-Edinburg-Mission, TX 107 Memphis, TN-MS-AR 397 Miami-Fort Lauderdale-Pompano Beach, FL 1,890 Fort Lauderdale Division 58° Miami Division 1,023 West Palm Beach Division 286 Milwaukee-Waukesha, WI 142 Minneapolis-St. Paul-Bloomington, MN-WI 220 Modesto, CA 56 Myrtle Beach-Conway-North Myrtle Beach, SC-NC 56 Nashville-Davidson-Murfreesboro-Franklin, TN 205	8.2 16.5 17.3 6.0 12.0 29.8	_ _	7,328	
Los Angeles Division 1,602 Louisville/Jefferson County, KY–IN 222 Madison, WI 47 McAllen–Edinburg–Mission, TX 107 Memphis, TN–MS–AR 397 Miami–Fort Lauderdale–Pompano Beach, FL 1,890 Fort Lauderdale Division 587 Miami Division 1,023 West Palm Beach Division 286 Milwaukee–Waukesha, WI 142 Minneapolis–St. Paul–Bloomington, MN–WI 220 Modesto, CA 56 Myrtle Beach–Conway–North Myrtle Beach, SC–NC 56 Nashville–Davidson–Murfreesboro–Franklin, TN 205	2 16.5 2 17.3 6.0 7 12.0 29.8			020 5
Louisville/Jefferson County, KY–IN 222 Madison, WI 4² McAllen–Edinburg–Mission, TX 107 Memphis, TN–MS–AR 397 Miami–Fort Lauderdale–Pompano Beach, FL 1,890 Fort Lauderdale Division 58² Miami Division 1,023 West Palm Beach Division 286 Milwaukee–Waukesha, WI 142 Minneapolis–St. Paul–Bloomington, MN–WI 220 Modesto, CA 56 Myrtle Beach–Conway–North Myrtle Beach, SC–NC 56 Nashville–Davidson–Murfreesboro–Franklin, TN 205	2 17.3 6.0 7 12.0 7 29.8		51.012	232.5
Madison, WI 4' McAllen-Edinburg-Mission, TX 107 Memphis, TN-MS-AR 397 Miami-Fort Lauderdale-Pompano Beach, FL 1,890 Fort Lauderdale Division 58' Miami Division 1,023 West Palm Beach Division 286 Milwaukee-Waukesha, WI 142 Minneapolis-St. Paul-Bloomington, MN-WI 220 Modesto, CA 56 Myrtle Beach-Conway-North Myrtle Beach, SC-NC 56 Nashville-Davidson-Murfreesboro-Franklin, TN 205	6.0 7 12.0 7 29.8	14	31,012	524.8
Madison, WI 4' McAllen-Edinburg-Mission, TX 107 Memphis, TN-MS-AR 397 Miami-Fort Lauderdale-Pompano Beach, FL 1,890 Fort Lauderdale Division 58' Miami Division 1,023 West Palm Beach Division 286 Milwaukee-Waukesha, WI 142 Minneapolis-St. Paul-Bloomington, MN-WI 220 Modesto, CA 56 Myrtle Beach-Conway-North Myrtle Beach, SC-NC 56 Nashville-Davidson-Murfreesboro-Franklin, TN 205	12.0 29.8		4,213	328.0
Memphis, TN-MS-AR397Miami-Fort Lauderdale-Pompano Beach, FL1,890Fort Lauderdale Division58'Miami Division1,023West Palm Beach Division286Milwaukee-Waukesha, WI142Minneapolis-St. Paul-Bloomington, MN-WI220Modesto, CA56Myrtle Beach-Conway-North Myrtle Beach, SC-NC56Nashville-Davidson-Murfreesboro-Franklin, TN205	29.8	91	910	132.4
Memphis, TN-MS-AR397Miami-Fort Lauderdale-Pompano Beach, FL1,890Fort Lauderdale Division58'Miami Division1,023West Palm Beach Division286Milwaukee-Waukesha, WI142Minneapolis-St. Paul-Bloomington, MN-WI220Modesto, CA56Myrtle Beach-Conway-North Myrtle Beach, SC-NC56Nashville-Davidson-Murfreesboro-Franklin, TN205	29.8	46	1,764	198.6
Miami-Fort Lauderdale-Pompano Beach, FL1,890Fort Lauderdale Division58°Miami Division1,023West Palm Beach Division286Milwaukee-Waukesha, WI142Minneapolis-St. Paul-Bloomington, MN-WI220Modesto, CA56Myrtle Beach-Conway-North Myrtle Beach, SC-NC56Nashville-Davidson-Murfreesboro-Franklin, TN205		2	7,816	586.7
Fort Lauderdale Division 587 Miami Division 1,023 West Palm Beach Division 286 Milwaukee–Waukesha, WI 142 Minneapolis–St. Paul–Bloomington, MN–WI 220 Modesto, CA 56 Myrtle Beach–Conway–North Myrtle Beach, SC–NC 56 Nashville–Davidson–Murfreesboro–Franklin, TN 203	30.8	1	57,139	930.7
West Palm Beach Division Milwaukee–Waukesha, WI Minneapolis–St. Paul–Bloomington, MN–WI Modesto, CA Myrtle Beach–Conway–North Myrtle Beach, SC–NC Nashville–Davidson–Murfreesboro–Franklin, TN 286 286 Myrtle Beach SC–NC 567 Nashville–Davidson–Murfreesboro–Franklin, TN		_	20,747	1,065.6
West Palm Beach Division Milwaukee–Waukesha, WI Minneapolis–St. Paul–Bloomington, MN–WI Modesto, CA Myrtle Beach–Conway–North Myrtle Beach, SC–NC Nashville–Davidson–Murfreesboro–Franklin, TN 286 286 Myrtle Beach SC–NC 567 Nashville–Davidson–Murfreesboro–Franklin, TN	38.3	_	27,987	1046.7
Minneapolis-St. Paul-Bloomington, MN-WI 220 Modesto, CA 56 Myrtle Beach-Conway-North Myrtle Beach, SC-NC 56 Nashville-Davidson-Murfreesboro-Franklin, TN 200		_	8,405	553.5
Minneapolis-St. Paul-Bloomington, MN-WI220Modesto, CA56Myrtle Beach-Conway-North Myrtle Beach, SC-NC56Nashville-Davidson-Murfreesboro-Franklin, TN205		67	3,442	220.7
Modesto, CA 56 Myrtle Beach–Conway–North Myrtle Beach, SC–NC 56 Nashville–Davidson–Murfreesboro–Franklin, TN 209	6.0	92	7,953	215.3
Myrtle Beach–Conway–North Myrtle Beach, SC–NC 56 Nashville–Davidson–Murfreesboro–Franklin, TN 209		63	894	162.2
Nashville-Davidson-Murfreesboro-Franklin, TN 209		58	1,307	243.8
		62	5,894	288.0
•		11	8,148	653.8
New York–Newark–Jersey City, NY–NJ–PA 2,685		31	135,932	692.9
Nassau County Division 164		_	6,096	209.5
New Brunswick Division 160		_	5,486	218.7
New York Division 2,002		_	111,390	933.4
Newark Division 359		_	12,960	571.7
North Port–Sarasota–Bradenton, FL 75	8.4	73	2,315	259.7
Ogden–Clearfield, UT		111	478	67.0
Oklahoma City, OK 202	13.8	30	3,319	227.4
Omaha–Council Bluffs, NE–IA 59		90	680	69.6
Orlando–Kissimmee–Sanford, FL 58		6	13,736	496.9
Oxnard–Thousand Oaks–Ventura, CA 55		85	1,247	149.8
Palm Bay-Melbourne-Titusville, FL 70		55	1,809	286.8
Pensacola–Ferry Pass–Brent, FL 70		36	1,635	312.5
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD 733		49	26,615	426.4
Camden Division 135		_	3,328	256.5
Montgomery County Division 80		_	2,400	116.8
Philadelphia Division 436		_	18,379	857.9
Wilmington Division 82		_	2,508	336.4
Phoenix–Mesa–Scottsdale, AZ 644		41	13,851	276.2
Pittsburgh, PA 92		108	3,820	162.6
Port St. Lucie, FL 68		40	2,236	429.4
Portland–South Portland, ME 27		101	965	171.8
Portland–Vancouver–Hillsboro, OR–WA 170		83	5,924	236.1
Poughkeepsie–Newburgh–Middletown, NY 29		107	1,898	269.8
Providence–Warwick, RI–MA 98		94	2,132	127.4
Provo–Orem, UT		112	306	
Raleigh–Cary, NC 179			อบต	42.8

Table 22. Diagnoses of HIV infection, 2022, and persons living with diagnosed HIV infection (prevalence), year-end 2022, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

	С	iagnoses, 202	Prevalence of diagnosed HIV infection year-end 2022 ^b			
MSA of residence	No.	Rate ^c	Rank ^d	No.	Rate ^c	
Reno, NV	37	7.4	78	1,130	225.6	
Richmond, VA	180	13.4	35	4,608	344.1	
Riverside-San Bernardino-Ontario, CA	610	13.1	39	15,822	339.0	
Rochester, NY	75	6.9	80	2,869	265.4	
Sacramento-Roseville-Folsom, CA	221	9.1	65	5,658	234.1	
St. Louis, MO–IL	292	10.4	59	7,211	257.4	
Salt Lake City, UT	105	8.3	75	2,399	189.5	
San Antonio-New Braunfels, TX	387	14.6	25	7,894	297.3	
San Diego-Chula Vista-Carlsbad, CA	402	12.3	44	13,783	420.7	
San Francisco–Oakland–Berkeley, CA ^e	622	13.6	34	22,780	497.4	
Oakland Division	326	11.7	_	8,773	314.9	
San Francisco Division	278	18.1	_	13,246	861.5	
San Jose–Sunnyvale–Santa Clara, CA	162	8.4	74	3,795	195.8	
San Juan-Carolina-Caguas, PR	269	13.2	37	10,977	537.1	
Scranton-Wilkes-Barre, PA	39	6.9	82	1,017	179.0	
Seattle-Tacoma-Bellevue, WA	350	8.7	71	10,276	254.7	
Seattle Division	289	9.3	_	8,553	275.3	
Tacoma Division	61	6.6	_	1,723	185.8	
Spokane–Spokane Valley, WA	31	5.2	98	813	136.0	
Springfield, MA	37	5.3	96	2,232	321.4	
Stockton, CA	100	12.6	43	1,605	202.3	
Syracuse, NY	31	4.7	103	1,298	198.6	
Tampa–St. Petersburg–Clearwater, FL	488	14.8	23	14,516	441.1	
Toledo, OH	44	6.9	81	1,180	184.3	
Tucson, AZ	119	11.3	54	2,857	270.1	
Tulsa, OK	104	10.1	64	2,231	215.7	
Virginia Beach-Norfolk-Newport News, VA-NC	258	14.3	28	6,167	341.3	
Washington-Arlington-Alexandria, DC-VA-MD-WV	817	12.8	42	35,141	551.3	
Frederick Division	117	8.7	_	4,556	340.1	
Washington Division	700	13.9	_	30,585	607.5	
Wichita, KS	30	4.6	105	1,013	155.8	
Winston-Salem, NC	94	13.7	32	2,193	318.5	
Worcester, MA-CT	38	4.4	106	2,083	241.4	
Youngstown-Warren-Boardman, OH-PA	43	8.0	76	924	172.5	
Subtotal for MSAs (population of ≥500,000)	30,222	13.1	_	897,429	389.9	
Metropolitan areas (population of 50,000-499,999)	4,916	8.6	_	111,250	193.9	
Nonmetropolitan areas	2,527	5.6	_	61,860	136.4	
Total ^f	38,028	11.3	_	1,108,722	329.5	

Abbreviations: MSA, metropolitan statistical area; CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Data on persons living with diagnosed HIV infection in 2022 are preliminary and based on deaths reported to CDC as of December 2023. Numbers less than 12, and rates based on these numbers, should be interpreted with caution. Because of the lack of U.S. census information for all U.S. territories and freely associated states, table includes data for only the 50 states, the District of Columbia, and Puerto Rico. Data reported for Connecticut cases were excluded due to governmental and administrative changes that transitioned counties to planning regions. Connecticut population data from the U.S. Census were also excluded from denominator data. However, data for Connecticut cases are included in the total.

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

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

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

^c Rates are per 100,000 population.

d Based on rate.

e Counts of diagnoses of HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 2 metropolitan divisions with population of <500,000.

 $[\]ensuremath{^{f}}$ Includes persons whose county of residence is unknown.

Web Addresses for Reports of State and Local HIV Surveillance

	http://www.alabamapublichealth.gov/hiv/publications.html
	https://dhss.alaska.gov/dph/Epi/hivstd/Pages/hivdata.aspx
	http://www.azdhs.gov/phs/edc/odis/hiv-epidemiology/reports/index.php?pg=annual
	https://www.healthy.arkansas.gov/programs-services/topics/hiv-aids-sti-surveillance
	https://www.cdph.ca.gov/Programs/CID/DOA/Pages/OAsre.aspx
•	https://www.chicago.gov/content/dam/city/depts/cdph/HIV_STI/CDPH-039_HIVSyphilis_DataBrief_DIGITAL_r3a.pdf https://cdphe.colorado.gov/sti-hiv-data-reporting
	https://cuprie.colorado.gov/si-niv-data-reporting https://portal.ct.gov/DPH/AIDSChronic-Diseases/Surveillance/Connecticut-HIV-Statistics
	http://www.dhss.delaware.gov/dhss/dph/epi/disstatshiv.html
	https://dchealth.dc.gov/service/hiv-reports-and-publications
	http://www.floridahealth.gov/diseases-and-conditions/aids/surveillance/index.html
	https://dph.georgia.gov/data-fact-sheet-summaries#SurveillanceSummaries
•	http://dphss.guam.gov/content/hiv-surveillance-program
	https://health.hawaii.gov/harmreduction/hiv-aids-surveillance/
	http://www.houstontx.gov/health/HIV-STD/
	http://healthandwelfare.idaho.gov/Health/FamilyPlanningSTDHIV/STDStatistics/tabid/393/Default.aspx
	http://dph.illinois.gov/topics-services/diseases-and-conditions/hiv-aids/hiv-surveillance/update-reports
	https://www.in.gov/health/hiv-std-viral-hepatitis/reports-and-statistics-hivstdviral-hepatitis/
	http://idph.iowa.gov/hivstdhep/hiv/data
Kansas	https://www.kdhe.ks.gov/464/HIV-Surveillance-Program
Kentucky	https://chfs.ky.gov/agencies/dph/dehp/hab/Pages/reportsstats.aspx
Los Angeles	http://publichealth.lacounty.gov/dhsp/Reports.htm
Louisiana	http://new.dhh.louisiana.gov/index.cfm/newsroom/category/63
Maine	https://www.maine.gov/dhhs/mecdc/infectious-disease/hiv-std/
	https://health.maryland.gov/phpa/OIDEOR/CHSE/Pages/statistics.aspx
	https://www.mass.gov/lists/hivaids-epidemiologic-profiles
	https://www.michigan.gov/mdhhs/keep-mi-healthy/chronicdiseases/hivsti/data-and-statistics
	https://www.health.state.mn.us/diseases/hiv/stats/index.html
* *	https://msdh.ms.gov/msdhsite/_static/14,0,150.html
	http://health.mo.gov/data/hivstdaids/data.php
	https://dphhs.mt.gov/publichealth/cdepi/surveillance
	https://dhhs.ne.gov/Pages/HIV-Prevention.aspx
	http://dpbh.nv.gov/Programs/HIV-OPHIE/dta/Publications/HIV/AIDS_Surveillance_Program_(HIV-OPHIE)Publications/
	https://www.dhs.nh.gov/programs-services/disease-prevention/infectious-disease-control/hiv-prevention
	http://www.nj.gov/health/hivstdtb/hiv-aids/statmap.shtml http://nmhealth.org/data/infectious/20/
	https://www.health.ny.gov/diseases/aids/general/statistics/index.htm
	https://www.neaith.ny.gov/diseases/aids/general/statistics/index.ntm https://www.nyc.gov/site/doh/data/data-sets/hiv-aids-surveillance-and-epidemiology-reports.page
•	http://epi.publichealth.nc.gov/cd/stds/figures.html
	https://www.hhs.nd.gov/sites/www/files/documents/DOH%20Legacy/EpiProfile.pdf
	https://odh.ohio.gov/know-our-programs/hiv-aids-surveillance-program/data-and-statistics/
	https://oklahoma.gov/health/health-education/acute-disease-service/publications-and-statistics.html
	https://www.oregon.gov/oha/ph/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/HIVData/Pages/index.aspx
	https://www.health.pa.gov/topics/programs/HIV/Pages/Annual-Summary.aspx
•	https://www.phila.gov/documents/hiv-aids-data-and-research/
	https://www.salud.gov.pr/CMS/471
	http://health.ri.gov/publications/bytopic.php?parm=HIV
San Francisco	http://www.sfdph.org/dph/files/reports/default.asp
South Carolina	http://www.dhec.sc.gov/Health/DiseasesandConditions/InfectiousDiseases/HIVandSTDs/DataandReports/
South Dakota	https://doh.sd.gov/health-data-reports/sexually-transmitted-infections-data-reports/
Tennessee	https://www.tn.gov/health/health-program-areas/statistics/health-data/hiv-data.html
Texas	http://www.dshs.state.tx.us/hivstd/reports/default.shtm
	https://doh.vi.gov/programs/communicable-diseases
	https://ibis.health.utah.gov/ibisph-view/indicator/view/HIV_AIDS.NewYr.html
	http://www.healthvermont.gov/immunizations-infectious-disease/hiv/surveillance
	http://www.vdh.virginia.gov/disease-prevention/disease-prevention/hiv-aids-sexually-transmitted-disease-std-hepatitis-reports/
-	https://doh.wa.gov/data-statistical-reports/diseases-and-chronic-conditions/hiv-data
	https://oeps.wv.gov/hiv-aids/pages/default.aspx
	https://www.dhs.wisconsin.gov/hiv/data.htm
	https://health.wyo.gov/publichealth/communicable-disease-unit/hivaids-surveillance-program/
Note. Electronic reports	s are not available for the following areas: American Samoa, the Northern Mariana Islands, and the Republic of Palau.

HIV Surveillance Report 172 Vol. 35

ENDING THE HIV EPIDEMIC IN THE U.S. INITIATIVE, PHASE I AREAS

To accelerate action to end the HIV epidemic, the U.S. Department of Health and Human Services (HHS) has proposed a plan to reduce HIV infections in the United States. The Ending the HIV Epidemic in the U.S. (EHE) initiative, Phase I, implements high-impact HIV prevention, care, treatment, and outbreak response strategies in 48 counties; the District of Columbia; San Juan, Puerto Rico; and 7 states with a substantial rural HIV burden. The goal of the initiative is to reduce new HIV infections by 75% in 5 years, and by 90% in 10 years.

The EHE Phase I jurisdictions include the District of Columbia; San Juan, Puerto Rico; and 48 counties: Arizona—Maricopa County; California—Alameda County, Los Angeles County, Orange County, Riverside County, Sacramento County, San Bernardino County, San Diego County, San Francisco County; Florida—Broward County, Duval County, Hillsborough County, Miami-Dade County, Orange County, Palm Beach County, Pinellas County; Georgia—Cobb County, DeKalb County, Fulton County, Gwinnett County; Illinois—Cook County; Indiana—Marion County; Louisiana—East Baton Rouge Parish, Orleans Parish; Maryland—Baltimore City, Montgomery County, Prince George's County; Massachusetts—Suffolk County; Michigan—Wayne County; Nevada—Clark County; New Jersey—Essex County, Hudson County; New York—Bronx County, Kings County, New York County, Queens County; North Carolina—Mecklenburg County; Ohio—Cuyahoga County, Franklin County, Hamilton County; Pennsylvania—Philadelphia County; Tennessee—Shelby County; Texas—Bexar County, Dallas County, Harris County, Tarrant County, Travis County; Washington—King County.

EHE Phase I jurisdictions also include the following 7 states with substantial rural HIV burden: Alabama, Arkansas, Kentucky, Mississippi, Missouri, Oklahoma, and South Carolina.

Table A1. Diagnoses of HIV infection among persons aged ≥13 years, by area of residence, 2021 and 2022—Ending the HIV Epidemic Phase I jurisdictions

		202	<u>!1 </u>		2022							
	Persons age	ed ≥13 years	То	tal	Persons age	ed ≥13 years	Total					
Area of residence	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a				
Arizona												
Maricopa County	510	13.5	511	11.4	579	15.1	579	12.7				
California												
Alameda County	188	13.3	188	11.4	206	14.7	206	12.6				
Los Angeles County	1,526	18.2	1,527	15.6	1,600	19.2	1,602	16.5				
Orange County	267	9.9	267	8.4	257	9.5	257	8.2				
Riverside County	272	13.3	272	11.1	320	15.5	321	13.0				
Sacramento County	184	13.8	184	11.6	194	14.6	194	12.2				
San Bernardino County	299	16.6	300	13.7	288	16.0	289	13.2				
San Diego County	391	14.1	394	12.0	402	14.4	402	12.3				
San Francisco County	191	26.2	191	23.5	214	29.4	214	26.5				
District of Columbia	198	34.6	198	29.6	211	36.6	211	31.4				
Florida												
Broward County	537	32.5	539	27.8	579	34.8	581	29.8				
Duval County	271	32.3	272	27.0	280	32.8	280	27.5				
Hillsborough County	279	22.2	280	18.9	287	22.4	289	19.1				
Miami-Dade County	865	37.7	865	32.4	1,021	44.4	1,023	38.3				
Orange County	389	32.1	389	27.2	417	33.7	420	28.9				
Palm Beach County	271	20.7	272	18.1	285	21.6	286	18.8				
Pinellas County	117	13.7	117	12.2	112	13.0	113	11.7				
Georgia		10.1		12.2	112	10.0	110	11.7				
9	145	22.4	146	19.0	171	26.2	171	22.2				
Cobb County DeKalb County	333	52.4 52.4	333	43.9	361	26.2 56.4	362	47.5				
Fulton County	513	52.4 56.5	515	43.9 48.5	509	55.3	502 511	47.5				
Gwinnett County	159	20.0	159	46.5 16.5	209	26.0	209	21.4				
•	139	20.0	139	10.5	209	20.0	209	21.4				
llinois	000	40.0	005	40.4	000	40.0	070	47.0				
Cook County	833	18.9	835	16.1	868	19.9	870	17.0				
ndiana					2-1		2-2					
Marion County	222	27.8	222	22.8	251	31.4	252	26.0				
Louisiana												
East Baton Rouge Parish	141	37.0	141	31.1	131	34.5	131	29.1				
Orleans Parish	144	44.4	144	38.2	125	39.2	125	33.8				
Maryland												
Baltimore City	155	31.5	155	26.9	160	32.9	163	28.6				
Montgomery County	94	10.6	95	9.0	105	11.8	106	10.1				
Prince George's County	221	27.4	221	23.1	254	31.8	254	26.8				
Massachusetts												
Suffolk County	128	18.8	128	16.6	115	17.0	115	15.0				
Michigan												
Wayne County	255	17.3	255	14.4	248	16.9	249	14.2				
Nevada	_,,,		-24		2.0		= **					
Clark County	446	23.1	446	19.4	483	24.6	485	20.9				
lew Jersey	TT0	20.1	770	10.7	700	21.0	T00	20.5				
Essex County	233	32.8	233	27.3	229	32.3	230	27.1				
Hudson County	133	32.8 22.3	233 133	27.3 18.9	229 165	32.3 27.5	230 165	23.5				
•	133	۷۷.۵	133	10.5	100	۷۱.۵	100	23.3				
New York	110	05.0	440	00.5	207	04.0	000	22.2				
Bronx County	419	35.8	419	29.5	397	34.8	398	28.8				
Kings County	450	20.4	450	17.1	491	22.6	493	19.0				
New York County	320	22.7	320	20.3	332	23.2	333	20.9				
Queens County	325	16.3	326	14.0	357	18.2	357	15.7				

Table A1. Diagnoses of HIV infection among persons aged ≥13 years, by area of residence, 2021 and 2022—Ending the HIV Epidemic Phase I jurisdictions (cont)

		202	1		2022							
	Persons age	ed ≥13 years	To	tal	Persons age	ed ≥13 years	Total					
Area of residence	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Ratea				
North Carolina												
Mecklenburg County	278	29.4	279	24.8	276	28.7	277	24.2				
Ohio												
Cuyahoga County	166	15.5	166	13.3	118	11.1	118	9.5				
Franklin County	191	17.4	191	14.5	192	17.4	193	14.6				
Hamilton County	122	17.6	123	14.9	93	13.4	93	11.3				
Pennsylvania												
Philadelphia County	369	27.5	371	23.3	385	29.0	386	24.6				
Puerto Rico												
San Juan Municipio	98	32.3	98	28.9	108	35.8	108	32.3				
Tennessee												
Shelby County	292	38.5	293	31.7	338	44.9	338	36.9				
Texas												
Bexar County	331	19.8	331	16.3	357	21.0	357	17.3				
Dallas County	791	37.3	791	30.6	896	41.9	896	34.5				
Harris County	1,182	30.6	1,182	25.0	1,260	32.2	1,261	26.4				
Tarrant County	309	17.7	309	14.5	329	18.5	330	15.3				
Travis County	229	20.5	229	17.5	236	20.7	236	17.8				
Washington												
King County	215	11.1	216	9.6	250	12.8	250	11.0				

Note. Information on Ending the HIV Epidemic in the U.S. can be found at https://www.hiv.gov/federal-response/ending-the-hiv-epidemic/overview. Data should be interpreted with caution. The COVID-19 pandemic had a significant impact on access to HIV testing, care, and related services, and case surveillance activities in state and local jurisdictions. Therefore, readers should also consider the potential influence of the pandemic on HIV data for subsequent years. Data are based on residence at time of diagnosis of HIV infection.

^a Rates are per 100,000 population.

Table A2. Persons aged ≥13 years living with diagnosed HIV infection, by race/ethnicity and area of residence, year-end 2022—Ending the HIV Epidemic Phase I jurisdictions

	American Indian/ Alaska Native		n/ Asian ^a			African rican	Hispani	c/Latino ^b		Hawaiian/ cific Islander	W	hite	Mult	iracial	To	Total ^c		
Area of residence	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated		
Arizona																		
Maricopa County	338	532.0	198	108.8	2,053	925.8	4,069	354.5	18	228.3	5,518	257.2	468	613.9	12,693	330.1		
California																		
Alameda County	11	317.9	412	86.5	2,188	1,537.7	1,465	494.9	21	187.4	1,595	376.6	290	573.4	5,983	426.3		
Los Angeles County	48	296.4	1,835	141.1	9,511	1,409.8	24,816	627.8	54	286.9	11,867	536.4	2,857	1,738.6	50,991	611.5		
Orange County	7	128.1	584	94.3	372	770.4	3,762	430.0	11	147.5	2,326	216.3	263	396.2	7,325	271.6		
Riverside County	23	239.4	193	126.5	895	671.2	3,046	295.4	9	143.4	5,978	867.5	426	1,012.5	10,570	512.1		
Sacramento County	17	253.8	202	86.1	1,130	870.8	1,166	380.4	17	104.7	1,942	335.0	204	353.9	4,678	351.4		
San Bernardino County	13	186.1	126	82.3	1,010	695.9	2,754	279.5	7	126.5	1,125	236.6	205	620.2	5,240	290.4		
San Diego County	27	227.2	432	120.0	1,577	1,191.7	5,960	644.7	16	137.1	5,239	413.2	515	616.6	13,766	493.1		
San Francisco County	35	2,250.9	825	303.4	1,482	3,948.4	2,941	2,698.7	30	1122.6	5,691	2,018.4	556	2,445.5	11,560	1,589.3		
District of Columbia	14	1,099.8	83	298.8	9,452	3,876.1	1,298	2,103.5	6	1,714.3	1,906	835.6	797	6,291.4	13,560	2,355.3		
Florida																		
Broward County	12	364.5	146	226.4	9,279	2,019.2	4,674	865.1	5	439.2	5,973	1,042.5	644	2,669.6	20,733	1,244.6		
Duval County	4	145.9	63	144.3	4,350	1,777.5	561	593.1	3	424.6	1,404	313.5	229	1,256.2	6,614	775.8		
Hillsborough County	4	135.7	65	109.7	3,297	1,627.2	1,947	511.8	3	317.3	2,142	349.1	201	877.4	7,659	597.1		
Miami-Dade County	7	344.1	86	227.2	10,419	3,187.9	14,553	899.4	6	1,141.1	2,505	837.0	390	2,585.4	27,967	1,216.2		
Orange County	6	225.0	73	102.1	4,043	1,679.1	2,892	718.7	13	909.5	2,326	468.8	251	1,209.3	9,604	777.2		
Palm Beach County	4	186.1	42	105.7	4,786	2,033.6	1,578	517.8	2	300.4	1,779	246.2	206	1,300.0	8,397	635.6		
Pinellas County	2	94.7	67	216.2	1,424	1,737.1	643	739.8	0	0.0	2,636	410.1	182	1,277.1	4,954	576.2		
Georgia																		
Cobb County	0	0.0	16	42.4	2,250	1,222.9	522	633.9	1	362.7	729	217.1	261	2,074.3	3,779	577.9		
DeKalb County	2	217.7	74	181.3	6,679	1,944.4	803	1,685.1	4	1,111.3	1,109	564.8	514	4,805.3	9,186	1,434.6		
Fulton County	8	646.7	55	74.1	11,721	2,944.1	1,138	1,788.6	6	4,405.6	2,439	664.8	1,028	6,386.4	16,396	1,781.6		
Gwinnett County	1	76.2	73	64.4	1,953	829.3	785	468.0	1	330.3	506	187.0	207	1,302.8	3,526	438.2		
Illinois																		
Cook County	19	369.5	378	105.4	12,167	1,243.0	6,158	561.9	11	1,444.5	5,115	274.9	2,131	3,539.3	25,980	595.8		
Indiana																		
Marion County	3	205.3	129	401.6	2,601	1,155.1	613	751.3	3	2,160.2	1,543	350.5	237	1,331.4	5,129	642.3		
Louisiana					,	,				,	,-			,	-,			
East Baton Rouge Parish	5	595.5	11	81.1	3,391	1,973.4	119	763.7	0	0.0	416	240.7	56	1,255.5	3,998	1,054.3		
Orleans Parish	7	916.7	23	228.8	3,217	1,775.9	306	1,788.5	0	0.0	1,103	1,046.4	138	3,437.0	4,796	1,505.4		
Maryland	•	0.0			0,2	.,		.,		0.0	.,	.,0 .0		0, .00	.,	.,		
Baltimore City	7	506.0	30	211.4	8,407	2,837.0	445	1,748.0	0	0.0	770	550.6	593	7,024.4	10,252	2,110.3		
Montgomery County	3	202.7	78	53.9	2,408	1,430.8	699	417.3	2	552.8	555	144.9	292	1,362.9	4,037	455.2		
Prince George's County	4	205.3	44	126.9	6,216	1,236.4	755	508.4	0	0.0	348	359.6	825	5,729.1	8,192	1,024.8		
Massachusetts	·				0,2.0	.,				0.0	0.0	000.0	0_0	0,. 20	0,.02	.,020		
Suffolk County	6	491.7	125	186.6	2,097	1,622.2	1,563	1036.8	1	257.1	1,704	540.1	123	945.6	5,619	829.8		
Michigan	J	701.7	120	100.0	2,001	1,022.2	1,000	1000.0	'	207.1	1,704	040.1	120	340.0	0,010	023.0		
Wayne County	4	77.4	26	48.3	5,500	1,015.8	403	452.3	٥	0.0	1,057	142.4	260	811.8	7,250	495.2		
•	4	11.4	20	40.3	5,500	1,010.0	403	452.5	0	0.0	1,007	142.4	200	011.0	7,250	490.2		
Nevada	00	202.0	250	164.4	2.075	1 017 7	2 000	E00.0	40	200.4	2 000	405.0	420	602.6	10.040	E40.4		
Clark County	28	303.0	356	161.1	2,875	1,217.7	3,009	500.0	49	329.4	3,292	405.0	439	663.6	10,048	512.1		

Table A2. Persons aged ≥13 years living with diagnosed HIV infection, by race/ethnicity and area of residence, year-end 2022—Ending the HIV Epidemic Phase I jurisdictions (cont)

	American Indian/ Alaska Native		Asian ^a		Black/African American		Hispani	Hispanic/Latino ^b		Native Hawaiian/ other Pacific Islander		White		Multiracial		otal ^c
Area of residence	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated	No.	Rated
New Jersey																
Essex County	0	0.0	23	50.8	5,696	2,123.9	1,898	1,149.4	1	358.9	484	221.3	627	6,638.9	8,746	1,234.5
Hudson County	3	320.8	100	99.2	1,308	1,989.1	2,410	966.7	1	326.0	793	452.7	354	4,712.2	4,975	829.5
New York																
Bronx County	7	215.3	103	208.1	11,305	3,355.9	13,567	2,137.2	2	355.9	824	791.7	1,292	12,461.6	27,139	2,381.8
Kings County	5	119.9	387	135.7	14,118	2,163.6	7,198	1,784.4	6	1,044.4	2,681	340.7	1,669	4,451.9	26,095	1,202.4
New York County	8	373.4	611	322.4	7,216	3,960.1	8,887	2,450.1	9	1,386.2	7,523	1,125.7	1,638	6,119.5	25,998	1,815.1
Queens County	12	167.2	864	159.6	5,062	1,428.3	7,390	1,383.5	12	501.0	1,897	393.5	1,210	3,407.6	16,477	842.0
North Carolina																
Mecklenburg County	7	251.1	47	76.4	4,483	1,479.0	710	573.2	1	252.6	1,001	220.9	412	2,353.3	6,664	692.5
Ohio																
Cuyahoga County	1	61.6	22	60.1	2,848	944.2	596	894.1	0	0.0	1,245	196.4	258	1,385.2	4,985	470.6
Franklin County	4	196.0	36	55.4	2,435	965.9	417	676.6	0	0.0	2,120	306.3	325	1,141.9	5,351	485.7
Hamilton County	0	0.0	16	79.7	1,860	1,065.5	131	567.2	1	136.6	985	214.6	178	1,296.1	3,174	458.6
Pennsylvania																
Philadelphia County	34	1,219.4	178	161.8	10,608	2049.7	2,845	1,483.3	5	1,853.7	2,554	532.2	601	2,460.7	16,825	1,268.1
Puerto Rico ^e																
San Juan Municipio	0	_	0	_	5	_	3,754	_	0	_	21	_	0	_	3,780	1,254.3
Tennessee																
Shelby County	1	83.6	11	48.7	5,475	1,362.6	285	638.2	2	3,154.8	655	239.4	355	3,779.7	6,785	900.6
Texas																
Bexar County	4	94.3	47	85.6	908	690.2	4,753	465.8	1	44.5	1,077	232.1	337	1,441.9	7,127	419.0
Dallas County	7	110.5	225	145.9	8,538	1,731.2	5,779	688.9	10	977.8	4,376	706.0	1,257	4,631.4	20,192	943.3
Harris County	6	78.9	391	130.9	13,393	1,772.9	9,567	571.5	3	153.5	4,153	369.5	1,375	2,899.4	28,890	739.1
Tarrant County	2	29.6	83	76.2	2,326	742.0	1,754	343.2	3	85.4	1,534	191.5	1,013	3,305.7	6,715	378.2
Travis County	2	68.6	79	84.7	1,197	1,258.5	2,110	593.2	2	222.6	1,786	314.0	263	1,245.3	5,439	478.0
Washington																
King County	41	361.2	365	86.5	1,500	1,145.0	1,288	694.6	29	192.0	3,518	315.8	542	708.6	7,283	372.5

Note. Information on Ending the HIV Epidemic in the U.S. can be found at https://www.hiv.gov/federal-response/ending-the-hiv-epidemic/overview. Data for the year 2022 are preliminary and based on deaths reported to the Centers for Disease Control and Prevention as of December 2023. Numbers less than 12, and trends based on these numbers, should be interpreted with caution. Data are based on residence at the end of the specified year (i.e., most recent known address).

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

b Hispanic/Latino persons can be of any race.
c Includes persons whose race/ethnicity is unknown.

d Rates are per 100,000 population.

e Rates by race/ethnicity are not provided because U.S. census information is limited for Puerto Rico.