

***Core indicators for monitoring the Ending the HIV Epidemic initiative:  
National HIV Surveillance System data reported through December 2021;  
and preexposure prophylaxis (PrEP) data reported through September 2021***

## **Advisory Statement**

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Preexposure prophylaxis (PrEP) coverage is currently estimated by taking the number of persons prescribed PrEP (numerator) and dividing it by the estimated number of persons with indications for PrEP (denominator). Since the current methodology for estimating PrEP coverage was first published in 2018, CDC has cited limitations of both the numerator and denominator. For example, the number of persons prescribed PrEP is estimated by using data from the IQVIA pharmacy database based on an algorithm that includes FDA-approved drugs for PrEP. Although IQVIA records 94% of all prescriptions from retail pharmacies and 74% from mail-order outlets in the United States, data from closed health care systems are not included in the IQVIA data set. Therefore, the current PrEP numerator has represented minimum estimates of PrEP prescriptions. Additionally, race/ethnicity data in the IQVIA database are only available for <40% of persons prescribed PrEP each year. Regarding limitations of the current denominator, the number of persons who have indications for PrEP is estimated by using data from 3 sources: National HIV Surveillance System, National Health and Nutrition Examination Survey, and U.S. Census Bureau's American Community Survey. Each of these data sources have different schedules of data availability. As a result, the availability of a denominator often lags the availability of a numerator.

In March 2024, updated data from 2 closed-system sources were made available to CDC that can improve the representativeness of the number of persons prescribed PrEP in the United States. In the coming months, CDC also expects to have updates to the data sets currently used to estimate the number of persons with indications for PrEP. To ensure that PrEP coverage estimates are calculated using the best available data at the time of publication, CDC is pausing PrEP coverage reporting for one year. During this time, CDC will update PrEP coverage data sources and determine the best way to present PrEP coverage. CDC plans to resume PrEP coverage reporting in the next HIV Surveillance Supplemental (Monitoring) Report, currently scheduled for publication in June 2025.

**Until updated estimates are published, CDC advises against citing specific PrEP coverage data points and instead recommends referencing general trends and disparities. In addition, because of a formula error that affects a subset of race and ethnicity PrEP data, race and ethnicity data points from all reports published prior to 2024 should not be cited.**

# HIV | SURVEILLANCE DATA TABLES



## Core Indicators for Monitoring the Ending the HIV Epidemic Initiative:

National HIV Surveillance System Data Reported  
through December 2021; and Preexposure  
Prophylaxis (PrEP) Data Reported through  
September 2021



**Centers for Disease  
Control and Prevention**  
National Center for HIV/AIDS,  
Viral Hepatitis, STD, and  
TB Prevention

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

Data are presented for diagnoses of HIV infection reported to CDC through December 2021 and preexposure prophylaxis (PrEP) data reported through September 2021.

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### **Suggested citation**

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**On the Web:** <https://www.cdc.gov/hiv/library/reports/surveillance-data-tables/>

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

#### **CDC-INFO**

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

1-888-232-6348 (TTY)

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

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# Technical Notes

The *Ending the HIV Epidemic in the U.S.* (EHE) initiative leverages critical scientific advances in HIV prevention, diagnosis, treatment, and outbreak response [1]. The goal of the initiative is to reduce new HIV infections by 75% by 2025 and then by at least 90% by 2030. The 6 core indicators of the EHE initiative are the following:

- **New HIV infections:** the estimated number of new HIV infections in a calendar year.
- **Knowledge of HIV status:** the estimated percentage of persons with HIV who have received a diagnosis.
- **HIV diagnoses:** the number of HIV infections confirmed by laboratory or clinical evidence in a calendar year.
- **Linkage to HIV medical care:** the percentage of persons who have received a diagnosis of HIV infection in a calendar year and were linked to HIV medical care within 1 month.
- **HIV viral suppression:** the percentage of persons living with diagnosed HIV who have a suppressed viral load at the most recent test in a calendar year.
- **Preexposure prophylaxis (PrEP) coverage:** the percentage of the number of persons prescribed PrEP in a calendar year relative to the estimated number of persons with indications for PrEP in a calendar year.

The Centers for Disease Control and Prevention (CDC) routinely releases *HIV Surveillance Data Tables* on the core indicators for EHE to allow for more timely monitoring of progress. This release of provisional (2017–2020) and preliminary (2021) data on EHE core indicators does not include estimates of new HIV infections (HIV incidence) and knowledge of HIV status due to the impact of the COVID-19 pandemic on HIV testing in the U.S. [2–5]. CDC currently uses surveillance data and a CD4-depletion model to estimate the number of new HIV infections in the U.S. The CD4-based model cannot be used to produce reliable estimates of new infections due to COVID-related disruptions in HIV testing [3–6]. The overall number of HIV diagnoses among adults and adolescents in the U.S. in 2020 (30,346) was 17% lower than in 2019 (36,528) (Table 1a). The steep reduction in diagnoses in 2020 causes concern regard-

ing underdiagnosis during the COVID-19 pandemic [5]. Estimates of new HIV infections and knowledge of HIV status for the year 2020 will not be produced as more time and data are needed to accurately assess COVID-19's impact on HIV transmission in the U.S.

The tables included in this report provide data on HIV diagnoses and linkage to HIV medical care for years 2017–2021 and viral suppression data for the year 2020 reported to CDC as of December 2021, and data on PrEP coverage for years 2017–2021 reported through September 2021. Data for the 4 indicators are provided at the national, state, and county levels (EHE Phase I jurisdictions only). See Tabulation and Presentation of Data for details on how the indicators are calculated.

## SURVEILLANCE OF HIV INFECTION

Data presented were reported (after the removal of personally identifiable information) to CDC through December 31, 2021. Please use caution when interpreting the following:

- Data on diagnoses of HIV infection. HIV surveillance reports may not be representative of all persons with HIV because not all infected persons have been (1) tested or (2) tested at a time when the infection could be detected and diagnosed. Also, some states offer anonymous HIV testing; the results of anonymous tests are not reported to the confidential, name-based HIV registries of state and local health departments. Therefore, reports of confidential test results may not represent all persons who tested positive for HIV infection.
- Deaths and prevalence-based data (HIV viral suppression).
- Numbers less than 12 and trends based on these numbers.
- Data for the year 2020. The COVID-19 pandemic may have impacted access to HIV testing and care, and case surveillance activities in state/local jurisdictions [2–5].
- Data for the year 2021. Data provided using a National HIV Surveillance System (NHSS) data-set produced prior to reaching a 12-month reporting delay are considered preliminary.

## TABULATION AND PRESENTATION OF DATA

### Diagnoses of HIV Infection

Diagnoses of HIV infection are the numbers of persons aged  $\geq 13$  years with HIV diagnosed during January 2020 through December 2021 (Tables 1a–d). Data presented were reported (after the removal of personally identifiable information) to CDC.

An evaluation of surveillance data (2015–2019 diagnoses) found that, on average, approximately 75% of HIV diagnoses are reported to CDC during the year of diagnosis and approximately 95% of HIV diagnoses are reported to CDC by the end of the following year. Data for the year 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 [2–5]. Data for the year 2021 are considered preliminary until a 12-month reporting delay has been reached and should be interpreted with caution.

More information on counting diagnoses of HIV infection can be found at <https://www.cdc.gov/hiv/library/reports/hiv-surveillance/vol-33/index.html> (*HIV Surveillance Report, 2020*).

### Linkage to HIV Medical Care

Linkage to HIV medical care within 1 month of HIV diagnosis is measured for persons aged  $\geq 13$  years whose infection was diagnosed during January 2020 through September 2021 and who resided in any of the jurisdictions (including EHE Phase I jurisdictions) with complete reporting of laboratory data to CDC at the time of diagnosis (Tables 2a–c). The numerator is the number of persons aged  $\geq 13$  years whose HIV infection was diagnosed during January 2020 through September 2021 and who had  $\geq 1$  CD4 T-lymphocyte (CD4) or viral load (VL) tests within 1 month of HIV diagnosis. The denominator is the number of persons aged  $\geq 13$  years whose HIV infection was diagnosed during January 2020 through September 2021.

Reporting of linkage to HIV medical care data requires a minimum 3-month reporting delay to account for delays in reporting of laboratory results to NHSS; therefore, data on linkage to HIV medical care in these surveillance tables are for persons whose HIV infection was diagnosed during January 2020 through September 2021 and was reported to NHSS through December 2021. Data are not provided for states and associated jurisdictions that do not have laws requiring reporting of all CD4 and viral loads, or that have

incomplete reporting of laboratory data to CDC.

Areas without laws: Idaho and New Jersey. Areas with incomplete reporting: Kentucky, Pennsylvania, Puerto Rico, and Vermont.

Data for the year 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 [2]. Data for the year 2021 are considered preliminary until a 12-month reporting delay has been reached and should be interpreted with caution.

More information on calculating linkage to care can be found at <https://www.cdc.gov/hiv/library/reports/hiv-surveillance/vol-27-no-3/index.html> (*Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2020*).

### Viral Suppression

Viral suppression at most recent test during 2020 is measured for persons aged  $\geq 13$  years who resided, as of their most recent known address during 2020, in any of the jurisdictions (including EHE Phase I jurisdictions) with complete reporting of laboratory data to CDC, and who were alive at the end of 2020 (Tables 3a–c). The numerator is the number of persons aged  $\geq 13$  years with HIV infection diagnosed by the end of 2019, and who had a VL of  $<200$  copies/mL at the most recent test in 2020. The denominator is the number of persons aged  $\geq 13$  years with HIV diagnosed by the end of 2019, and who were alive at the end of 2020. Data used to calculate prevalence are based on deaths reported to CDC as of December 2021. The following areas had incomplete reporting of deaths for the year 2020, and viral suppression data should be interpreted with caution: Kansas, North Carolina, Puerto Rico, and South Carolina. Data for Maryland should be interpreted with caution due to incomplete reporting of case information to CDC during December 2021. Data are not provided for states and associated EHE Phase I jurisdictions that do not have laws requiring reporting of all CD4 and viral loads, or that have incomplete reporting of laboratory data to CDC. Areas without laws: Idaho and New Jersey. Areas with incomplete reporting: Kentucky, Pennsylvania, Puerto Rico, and Vermont.

Data for the year 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 [2–5].

More information on calculating viral suppression can be found at <https://www.cdc.gov/hiv/library/reports/hiv-surveillance/vol-27-no-3/index.html> (*Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2020*).

### **Preexposure Prophylaxis Coverage**

Preexposure prophylaxis (PrEP) coverage, reported as a percentage, is defined as the number of persons aged  $\geq 16$  years classified as having been prescribed PrEP during the specified year divided by the estimated number of persons aged  $\geq 16$  years who had indications for PrEP during the specified year (Tables 4a–c). PrEP coverage is an EHE indicator that is not a reportable disease or condition and is not reported to NHSS. Multiple data sources, described below, are used to calculate PrEP coverage.

Please use caution when interpreting PrEP data. Different data sources were used in the numerator and denominator to calculate PrEP coverage.

### **Persons prescribed PrEP**

National pharmacy data from the IQVIA Real World Data—Longitudinal Prescriptions database (hereafter, IQVIA database) are used to classify persons aged  $\geq 16$  years who have been prescribed PrEP in the specific year. The IQVIA database captures prescriptions from all payers and represents approximately 92% of all prescriptions from retail pharmacies and 60%–86% from mail-order outlets in the United States. The database does not include prescriptions from some closed health care systems that do not make their prescription data available to IQVIA. Therefore, these are minimum estimates of PrEP coverage. The annual number of persons classified as having been prescribed PrEP was based on a validated algorithm that discerns whether tenofovir disoproxil fumarate and emtricitabine (TDF/FTC) was prescribed for PrEP after excluding prescriptions for HIV treatment, hepatitis B treatment, or HIV postexposure prophylaxis [7–9]. Tenofovir alafenamide and emtricitabine (TAF/FTC) was approved as an alternative drug for PrEP by the U.S. Food and Drug Administration (FDA) in October 2019. Starting with the 2019 data, TAF/FTC was included in the algorithm to classify the number of persons prescribed PrEP. In addition,

generic TDF/FTC for PrEP became available in the United States in October 2020. Starting with the 2020 data, generic TDF/FTC was included in the algorithm to classify the number of persons prescribed PrEP.

The number of persons classified as having been prescribed PrEP is reported by sex, age group, and race/ethnicity. Transmission category data are not available in the IQVIA database, and race/ethnicity data are available for <40% of persons with PrEP prescriptions. Please use caution when interpreting PrEP data by race/ethnicity. Race/ethnicity categories available in the IQVIA database include White, Black/African American, Hispanic/Latino, and other. The number of persons prescribed PrEP for each racial/ethnic group presented in this report was extrapolated by applying the racial/ethnic distribution of known records to those for which data on race/ethnicity were unknown.

### **Geographic designations**

In the IQVIA database, a person's location is reported as a 3-digit ZIP code prefix (hereafter, ZIP3) assigned by the U.S. Postal Service. To estimate the number of persons prescribed PrEP at the state or county level, a probability-based approach is used to crosswalk between ZIP3s and states/counties by using data from (a) the U.S. Census Bureau's American Community Survey (ACS) 5-year estimates by ZIP Code Tabulation Areas (ZCTAs) [10], and (b) the U.S. Department of Housing and Urban Development's ZIP Code Crosswalk Files [11]. Because of reliability concerns, subnational estimates of <40 are not included.

### **Persons with PrEP indications**

The ACS and U.S. Census Bureau files were used to estimate the number of men who have sex with men (MSM) in a jurisdiction [12, 13]. Next, behavioral data from the National Health and Nutrition Examination Survey (NHANES) were used to estimate the proportion of HIV-negative MSM with indications for PrEP [14].

The number of HIV-negative MSM with indications for PrEP was multiplied by the ratio of percentage of diagnoses during the specified year attributed to other major transmission risk groups compared to the percentage among MSM in a given state or county. The estimated numbers of persons with indications for PrEP in the 3 major transmission risk groups (MSM, heterosexuals, persons who inject drugs) in each juris-

diction were then summed to yield a state- or county-specific estimate. State estimates were then summed for a national total of persons with indications for PrEP [12]. Jurisdictional estimates were rounded to the nearest 10.

The tables included in this report provide updated data on PrEP coverage for the years 2017 through September 2021 by using the IQVIA data reported through September 2021. IQVIA conducts data quality assurance activities. As a result, the number of persons classified as having been prescribed PrEP in a given year might change from time to time. The impact of the changes may vary by demographic category nationally and by jurisdiction. The data sources used to estimate the number of persons with indications for PrEP have different schedules of availability. Consequently, the availability of a denominator lags the availability of a numerator by 1 year or more. PrEP coverage data with a lagged denominator are considered preliminary.

For this release of *HIV Surveillance Data Tables*, 2017 denominators were used for 2017 PrEP coverage data; 2018 denominators were used for 2018, 2019, 2020, and 2021 PrEP coverage data; consequently, 2019 through September 2021 PrEP coverage data are considered preliminary. In addition to being preliminary, data for the year 2020 through September 2021 should be interpreted with caution and with an awareness of the impact of the COVID-19 pandemic on filling PrEP prescriptions in state/local jurisdictions [15].

More information on calculating PrEP coverage can be found at <https://www.cdc.gov/hiv/library/reports/hiv-surveillance/vol-27-no-3/index.html> (*Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2020*).

## REFERENCES

1. HHS. What is *Ending the HIV Epidemic in the U.S.?* <https://www.hiv.gov/federal-response/ending-the-hiv-epidemic/overview>. Updated June 2, 2021. Accessed December 1, 2021.
2. CDC [Schuchat A, CDC COVID-19 Response Team]. Public health response to the initiation and spread of pandemic COVID-19 in the United States, February 24–April 21, 2020. *MMWR* 2020;69(18):551–556. doi:10.15585/mmwr.mm6918e2
3. Delaney KP, Jayanthi P, Emerson B, et al. Impact of COVID-19 on commercial laboratory testing for HIV in the United States. 2021 CROI, March 6–10, 2021. Abstract 739.
4. Moitra E, Tao J, Olsen J, et al. Impact of the COVID-19 pandemic on HIV testing rates across four geographically diverse urban centres in the United States: An observational study. *Lancet Reg Health Am* 2022;7:100159. doi:10.1016/j.lana.2021.100159
5. Chang JJ, Chen Q, Hechter RC, Dionne-Odom J, Bruxvoort K. Changes in HIV and STI testing and diagnoses during the COVID-19 pandemic. 2022 CROI, February 16, 2022. Abstract 142.
6. Song R, Hall HI, Green TA, Szwarcwald CL, Pantazis N. Using CD4 data to estimate HIV incidence, prevalence, and percent of undiagnosed infections in the United States. *J Acquir Immune Defic Syndr* 2017;74(1):3–9. doi:10.1097/QAI.0000000000001151
7. Wu H, Mendoza MC, Huang YA, Hayes T, Smith DK, Hoover KW. Uptake of HIV preexposure prophylaxis among commercially insured persons—United States, 2010–2014. *Clin Infect Dis* 2017;64(2):144–149. doi:10.1093/cid/ciw701
8. CDC [Huang YA, Zhu W, Smith DK, Harris N, Hoover KW]. HIV preexposure prophylaxis, by race and ethnicity—United States, 2014–2016. *MMWR* 2018;67(41):1147–1150. doi:10.15585/mmwr.mm6741a3
9. Furukawa NW, Smith DK, Gonzalez CJ, et al. Evaluation of algorithms used for PrEP surveillance using a reference population from New York City, July 2016–June 2018. *Public Health Rep* 2020;135(2):202–210. doi:10.1177/0033354920904085
10. U.S. Census Bureau. American Community Survey 5-year data (2009–2019). <https://www.census.gov/data/developers/data-sets/acs-5year.2019.html>. Published December 10, 2020. Accessed December 1, 2021.
11. U.S. Department of Housing and Urban Development (HUD). HUD USPS ZIP code crosswalk files. [https://www.huduser.gov/portal/datasets/usps\\_crosswalk.html](https://www.huduser.gov/portal/datasets/usps_crosswalk.html). Updated June 2021. Accessed December 1, 2021.

12. Grey JA, Bernstein KT, Sullivan PS, et al. Estimating the population sizes of men who have sex with men in US states and counties using data from the American Community Survey. *JMIR Public Health Surveill* 2016;2(1):e14. doi:10.2196/publichealth.5365
13. Purcell DW, Johnson CH, Lansky A, et al. Estimating the population size of men who have sex with men in the United States to obtain HIV and syphilis rates. *Open AIDS J* 2012;6:98–107. doi:10.2174/1874613601206010098
14. CDC [Smith DK, Van Handel M, Wolitski RJ, et al]. Vital Signs: Estimated percentages and numbers of adults with indications for preexposure prophylaxis to prevent HIV acquisition—United States, 2015. *MMWR* 2015;64(46):1291–1295. doi:10.15585/mmwr.mm6446a4
15. Huang YA, Zhu W, Wiener J, Kourtis AP, Hall HI, Hoover KW. Impact of COVID-19 on HIV preexposure prophylaxis prescriptions in the United States—a time series analysis. *Clin Infect Dis* 2022:ciac038. doi:10.1093/cid/ciac038

**Table 1a. Diagnoses of HIV infection among persons aged ≥13 years, by selected characteristics, 2017–2021—United States**

|  | 2017<br>No.   | 2018<br>No.   | 2019<br>No.   | 2020<br>(COVID-19<br>pandemic) <sup>a</sup><br>No. | 2021<br>(preliminary) <sup>b</sup><br>No. |
|--|---------------|---------------|---------------|--|---|
| <b>Gender</b>  |               |               |               |  |   |
| Male   | 30,414        | 29,690        | 28,918        | 24,242   | 24,863                                    |
| Female   | 7,242         | 7,037         | 6,890         | 5,409  | 5,647                                     |
| Transgender woman <sup>c</sup>                                   | 612           | 627           | 652           | 638  | 643                                       |
| Transgender man <sup>c</sup>                                     | 33            | 48            | 45            | 40   | 46  |
| Additional gender identity <sup>d</sup>                          | 15            | 15            | 23            | 17   | 32  |
| <b>Age at diagnosis (yr)</b>                                     |               |               |               |  |   |
| 13–24  | 8,277         | 7,848         | 7,638         | 6,082  | 5,956                                     |
| 25–34  | 13,395        | 13,384        | 13,075        | 11,258   | 11,499                                    |
| 35–44  | 7,240         | 7,180         | 7,114         | 5,924  | 6,643                                     |
| 45–54  | 5,567         | 5,235         | 4,887         | 3,929  | 3,833                                     |
| ≥55  | 3,837         | 3,770         | 3,814         | 3,153  | 3,300                                     |
| <b>Race/ethnicity</b>  |               |               |               |  |   |
| American Indian/Alaska Native                                    | 200           | 173           | 204           | 200  | 198                                       |
| Asian  | 923           | 862           | 733           | 635  | 630                                       |
| Black/African American   | 16,223        | 15,736        | 15,471        | 12,824   | 12,846                                    |
| Hispanic/Latino <sup>e</sup>                                     | 9,925         | 9,945         | 9,889         | 7,999  | 8,775                                     |
| Native Hawaiian/other Pacific Islander                           | 50            | 61            | 66            | 65   | 74  |
| White  | 9,628         | 9,433         | 9,063         | 7,831  | 8,110                                     |
| Multiracial  | 1,367         | 1,207         | 1,102         | 792  | 598                                       |
| <b>Transmission category (based on sex at birth)<sup>f</sup></b> |               |               |               |  |   |
| Male-to-male sexual contact                                      | 25,346        | 24,545        | 23,975        | 20,572   | 21,230                                    |
| Injection drug use   |               |               |               |  |   |
| Male   | 1,292         | 1,407         | 1,381         | 1,178  | 1,273                                     |
| Female   | 1,086         | 1,105         | 1,154         | 855  | 944                                       |
| Male-to-male sexual contact and injection drug use               | 1,470         | 1,465         | 1,524         | 1,105  | 1,099                                     |
| Heterosexual contact <sup>g</sup>                                |               |               |               |  |   |
| Male   | 2,902         | 2,877         | 2,669         | 2,012  | 1,895                                     |
| Female   | 6,131         | 5,928         | 5,730         | 4,536  | 4,696                                     |
| Other <sup>h</sup>   |               |               |               |  |   |
| Male   | 31            | 37            | 39            | 29   | 37  |
| Female   | 58            | 53            | 54            | 59   | 59  |
| <b>Region of residence<sup>i</sup></b>                           |               |               |               |  |   |
| Northeast  | 5,977         | 5,557         | 5,305         | 4,262  | 4,159                                     |
| Midwest  | 5,096         | 4,927         | 4,740         | 4,118  | 4,203                                     |
| South  | 19,662        | 19,364        | 19,149        | 15,661   | 16,740                                    |
| West   | 7,581         | 7,569         | 7,334         | 6,305  | 6,129                                     |
| <b>Total</b>   | <b>38,316</b> | <b>37,417</b> | <b>36,528</b> | <b>30,346</b>                                      | <b>31,231</b>                             |

Abbreviation: CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Data are for cases reported to CDC through December 2021.

<sup>a</sup> Data for the year 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.

<sup>b</sup> Data for the year 2021 are considered preliminary until a 12-month reporting delay has been reached, and should be interpreted with caution.

<sup>c</sup> “Transgender woman” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender man” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

<sup>d</sup> Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

<sup>e</sup> Hispanic/Latino persons can be of any race.

<sup>f</sup> Transmission category is determined based on assigned sex at birth; data have been statistically adjusted to account for missing transmission category, therefore values may not sum to column totals.

<sup>g</sup> Sexual contact with a person known to have, or with a risk factor for, HIV infection.

<sup>h</sup> Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

<sup>i</sup> Data are based on residence at time of diagnosis of HIV infection.

**Table 1b. Diagnoses of HIV infection among persons aged ≥ 13 years, by selected characteristics, 2017–2021—United States and 6 dependent areas**

|  | 2017<br>No.   | 2018<br>No.   | 2019<br>No.   | 2020<br>(COVID-19<br>pandemic) <sup>a</sup><br>No. | 2021<br>(preliminary) <sup>b</sup><br>No. |
|--|---------------|---------------|---------------|--|---|
| <b>Gender</b>  |               |               |               |  |   |
| Male   | 30,778        | 30,058        | 29,247        | 24,488   | 25,140                                    |
| Female   | 7,336         | 7,117         | 6,971         | 5,450  | 5,720                                     |
| Transgender woman <sup>c</sup>                                   | 614           | 629           | 654           | 640  | 643                                       |
| Transgender man <sup>c</sup>                                     | 33            | 49            | 45            | 40   | 46  |
| Additional gender identity <sup>d</sup>                          | 15            | 15            | 23            | 17   | 32  |
| <b>Age at diagnosis (yr)</b>                                     |               |               |               |  |   |
| 13–24  | 8,355         | 7,927         | 7,701         | 6,135  | 6,011                                     |
| 25–34  | 13,520        | 13,519        | 13,191        | 11,336   | 11,593                                    |
| 35–44  | 7,327         | 7,255         | 7,192         | 5,985  | 6,720                                     |
| 45–54  | 5,658         | 5,328         | 4,954         | 3,977  | 3,904                                     |
| ≥55  | 3,916         | 3,839         | 3,902         | 3,202  | 3,353                                     |
| <b>Race/ethnicity</b>  |               |               |               |  |   |
| American Indian/Alaska Native                                    | 200           | 173           | 204           | 200  | 198                                       |
| Asian  | 926           | 866           | 740           | 635  | 630                                       |
| Black/African American   | 16,227        | 15,744        | 15,476        | 12,827   | 12,849                                    |
| Hispanic/Latino <sup>e</sup>                                     | 10,371        | 10,377        | 10,280        | 8,285  | 9,117                                     |
| Native Hawaiian/other Pacific Islander                           | 51            | 63            | 70            | 65   | 74  |
| White  | 9,633         | 9,436         | 9,068         | 7,831  | 8,115                                     |
| Multiracial  | 1,368         | 1,209         | 1,102         | 792  | 598                                       |
| <b>Transmission category (based on sex at birth)<sup>f</sup></b> |               |               |               |  |   |
| Male-to-male sexual contact                                      | 25,580        | 24,810        | 24,204        | 20,758   | 21,436                                    |
| Injection drug use   |               |               |               |  |   |
| Male   | 1,326         | 1,431         | 1,406         | 1,198  | 1,292                                     |
| Female   | 1,095         | 1,107         | 1,160         | 857  | 947                                       |
| Male-to-male sexual contact and injection drug use               | 1,483         | 1,477         | 1,536         | 1,109  | 1,100                                     |
| Heterosexual contact <sup>g</sup>                                |               |               |               |  |   |
| Male   | 2,987         | 2,947         | 2,734         | 2,051  | 1,945                                     |
| Female   | 6,216         | 6,008         | 5,805         | 4,575  | 4,765                                     |
| Other <sup>h</sup>   |               |               |               |  |   |
| Male   | 31            | 37            | 40            | 29   | 38  |
| Female   | 58            | 53            | 55            | 59   | 59  |
| <b>Region of residence<sup>i</sup></b>                           |               |               |               |  |   |
| Northeast  | 5,977         | 5,557         | 5,305         | 4,262  | 4,159                                     |
| Midwest  | 5,096         | 4,927         | 4,740         | 4,118  | 4,203                                     |
| South  | 19,662        | 19,364        | 19,149        | 15,661   | 16,740                                    |
| West   | 7,581         | 7,569         | 7,334         | 6,305  | 6,129                                     |
| U.S. dependent areas   | 460           | 451           | 412           | 289  | 350                                       |
| <b>Total</b>   | <b>38,776</b> | <b>37,868</b> | <b>36,940</b> | <b>30,635</b>                                      | <b>31,581</b>                             |

Abbreviation: CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Data are for cases reported to CDC through December 2021.

<sup>a</sup> Data for the year 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.

<sup>b</sup> Data for the year 2021 are considered preliminary until a 12-month reporting delay has been reached, and should be interpreted with caution.

<sup>c</sup> “Transgender woman” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender man” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

<sup>d</sup> Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

<sup>e</sup> Hispanic/Latino persons can be of any race.

<sup>f</sup> Transmission category is determined based on assigned sex at birth; data have been statistically adjusted to account for missing transmission category, therefore values may not sum to column totals.

<sup>g</sup> Sexual contact with a person known to have, or with a risk factor for, HIV infection.

<sup>h</sup> Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

<sup>i</sup> Data are based on residence at time of diagnosis of HIV infection.

**Table 1c. Diagnoses of HIV infection among persons aged ≥13 years, by area of residence, 2017–2021—United States and 6 dependent areas**

| Area of residence           | 2017<br>No.   | 2018<br>No.   | 2019<br>No.   | 2020<br>(COVID-19<br>pandemic) <sup>a</sup><br>No. | 2021<br>(preliminary) <sup>b</sup><br>No. |
|-----------------------------|---------------|---------------|---------------|--|---|
| Alabama                     | 647           | 604           | 635           | 585  | 386                                       |
| Alaska                      | 30            | 23            | 27            | 29   | 22  |
| Arizona                     | 720           | 752           | 747           | 662  | 723                                       |
| Arkansas                    | 287           | 286           | 289           | 242  | 337                                       |
| California                  | 4,839         | 4,749         | 4,454         | 3,924  | 3,535                                     |
| Colorado                    | 434           | 403           | 465           | 324  | 356                                       |
| Connecticut                 | 274           | 259           | 212           | 171  | 199                                       |
| Delaware                    | 125           | 91            | 94            | 93   | 81  |
| District of Columbia        | 316           | 280           | 250           | 197  | 97  |
| Florida                     | 4,558         | 4,515         | 4,361         | 3,408  | 4,437                                     |
| Georgia                     | 2,606         | 2,486         | 2,407         | 1,977  | 1,689                                     |
| Hawaii                      | 76            | 72            | 64            | 51   | 58  |
| Idaho                       | 45            | 37            | 33            | 32   | 36  |
| Illinois                    | 1,372         | 1,369         | 1,257         | 1,096  | 842                                       |
| Indiana                     | 515           | 511           | 486           | 433  | 484                                       |
| Iowa                        | 125           | 114           | 100           | 100  | 120                                       |
| Kansas                      | 120           | 157           | 132           | 138  | 155                                       |
| Kentucky                    | 367           | 378           | 328           | 300  | 351                                       |
| Louisiana                   | 989           | 957           | 880           | 722  | 956                                       |
| Maine                       | 29            | 31            | 30            | 16   | 30  |
| Maryland                    | 1,020         | 990           | 915           | 706  | 634                                       |
| Massachusetts               | 602           | 648           | 538           | 434  | 269                                       |
| Michigan                    | 773           | 719           | 674           | 519  | 628                                       |
| Minnesota                   | 278           | 286           | 273           | 229  | 286                                       |
| Mississippi                 | 429           | 475           | 471           | 402  | 390                                       |
| Missouri                    | 505           | 450           | 487           | 359  | 507                                       |
| Montana                     | 31            | 24            | 25            | 14   | 21  |
| Nebraska                    | 87            | 77            | 81            | 73   | 85  |
| Nevada                      | 497           | 497           | 518           | 392  | 450                                       |
| New Hampshire               | 32            | 38            | 31            | 33   | 30  |
| New Jersey                  | 1,105         | 1,020         | 1,083         | 805  | 902                                       |
| New Mexico                  | 148           | 155           | 174           | 131  | 143                                       |
| New York                    | 2,736         | 2,449         | 2,336         | 1,963  | 1,844                                     |
| North Carolina              | 1,291         | 1,180         | 1,365         | 1,079  | 1,297                                     |
| North Dakota                | 38            | 36            | 40            | 36   | 21  |
| Ohio                        | 982           | 973           | 965           | 888  | 821                                       |
| Oklahoma                    | 300           | 278           | 336           | 333  | 260                                       |
| Oregon                      | 203           | 229           | 199           | 180  | 193                                       |
| Pennsylvania                | 1,093         | 1,018         | 993           | 775  | 828                                       |
| Rhode Island                | 86            | 76            | 71            | 53   | 51  |
| South Carolina              | 708           | 725           | 722           | 655  | 525                                       |
| South Dakota                | 41            | 29            | 33            | 34   | 24  |
| Tennessee                   | 721           | 742           | 773           | 647  | 782                                       |
| Texas                       | 4,356         | 4,425         | 4,342         | 3,548  | 3,623                                     |
| Utah                        | 113           | 120           | 135           | 131  | 119                                       |
| Vermont                     | 20            | 18            | 11            | 12   | 6   |
| Virginia                    | 865           | 866           | 833           | 628  | 764                                       |
| Washington                  | 435           | 496           | 480           | 421  | 467                                       |
| West Virginia               | 77            | 86            | 148           | 139  | 131                                       |
| Wisconsin                   | 260           | 206           | 212           | 213  | 230                                       |
| Wyoming                     | 10            | 12            | 13            | 14   | 6   |
| <b>Subtotal</b>             | <b>38,316</b> | <b>37,417</b> | <b>36,528</b> | <b>30,346</b>                                      | <b>31,231</b>                             |
| <b>U.S. dependent areas</b> |               |               |               |  |   |
| American Samoa              | 0             | 0             | 0             | 0  | 0   |
| Guam                        | 4             | 7             | 11            | 0  | 1   |
| Northern Mariana Islands    | 1             | 1             | 2             | 0  | 0   |
| Puerto Rico                 | 447           | 431           | 391           | 286  | 346                                       |
| Republic of Palau           | 0             | 0             | 0             | 0  | 0   |
| U.S. Virgin Islands         | 8             | 12            | 8             | 3  | 3   |
| <b>Subtotal</b>             | <b>460</b>    | <b>451</b>    | <b>412</b>    | <b>289</b>   | <b>350</b>                                |
| <b>Total</b>                | <b>38,776</b> | <b>37,868</b> | <b>36,940</b> | <b>30,635</b>                                      | <b>31,581</b>                             |

Abbreviation: CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Data are based on residence at diagnosis of HIV infection. Data are for cases reported to CDC through December 2021.

<sup>a</sup> Data for the year 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.

<sup>b</sup> Data for the year 2021 are considered preliminary until a 12-month reporting delay has been reached, and should be interpreted with caution.

**Table 1d. Diagnoses of HIV infection among persons aged ≥13 years, by area of residence, 2017–2021—Ending the HIV Epidemic Phase I jurisdictions**

| Area of residence           | 2017<br>No. | 2018<br>No. | 2019<br>No. | 2020<br>(COVID-19<br>pandemic) <sup>a</sup><br>No. | 2021<br>(preliminary) <sup>b</sup><br>No. |
|-----------------------------|-------------|-------------|-------------|--|---|
| <b>Arizona</b>              |             |             |             |  |   |
| Maricopa County             | 493         | 528         | 505         | 477  | 489                                       |
| <b>California</b>           |             |             |             |  |   |
| Alameda County              | 202         | 199         | 217         | 157  | 175                                       |
| Los Angeles County          | 1,743       | 1,703       | 1,537       | 1,382  | 1,229                                     |
| Orange County               | 314         | 288         | 247         | 264  | 250                                       |
| Riverside County            | 275         | 263         | 266         | 239  | 207                                       |
| Sacramento County           | 180         | 169         | 147         | 153  | 97  |
| San Bernardino County       | 255         | 263         | 295         | 263  | 250                                       |
| San Diego County            | 414         | 383         | 383         | 296  | 175                                       |
| San Francisco County        | 244         | 239         | 208         | 153  | 178                                       |
| <b>District of Columbia</b> | 316         | 280         | 250         | 197  | 97  |
| <b>Florida</b>              |             |             |             |  |   |
| Broward County              | 671         | 617         | 597         | 460  | 664                                       |
| Duval County                | 297         | 275         | 279         | 229  | 281                                       |
| Hillsborough County         | 300         | 297         | 265         | 247  | 333                                       |
| Miami-Dade County           | 1,142       | 1,163       | 1,134       | 781  | 1,161                                     |
| Orange County               | 465         | 454         | 464         | 369  | 443                                       |
| Palm Beach County           | 287         | 281         | 236         | 213  | 168                                       |
| Pinellas County             | 163         | 175         | 182         | 152  | 140                                       |
| <b>Georgia</b>              |             |             |             |  |   |
| Cobb County                 | 159         | 153         | 178         | 135  | 105                                       |
| DeKalb County               | 366         | 356         | 343         | 269  | 240                                       |
| Fulton County               | 619         | 596         | 532         | 477  | 456                                       |
| Gwinnett County             | 180         | 148         | 211         | 149  | 104                                       |
| <b>Illinois</b>             |             |             |             |  |   |
| Cook County                 | 985         | 979         | 882         | 774  | 627                                       |
| <b>Indiana</b>              |             |             |             |  |   |
| Marion County               | 226         | 205         | 205         | 167  | 199                                       |
| <b>Louisiana</b>            |             |             |             |  |   |
| East Baton Rouge Parish     | 163         | 177         | 155         | 124  | 148                                       |
| Orleans Parish              | 180         | 177         | 158         | 105  | 156                                       |
| <b>Maryland</b>             |             |             |             |  |   |
| Baltimore City              | 237         | 231         | 197         | 175  | 120                                       |
| Montgomery County           | 165         | 126         | 131         | 80   | 79  |
| Prince George's County      | 303         | 304         | 278         | 214  | 194                                       |
| <b>Massachusetts</b>        |             |             |             |  |   |
| Suffolk County              | 163         | 148         | 133         | 135  | 95  |
| <b>Michigan</b>             |             |             |             |  |   |
| Wayne County                | 322         | 300         | 289         | 227  | 251                                       |
| <b>Nevada</b>               |             |             |             |  |   |
| Clark County                | 449         | 443         | 451         | 343  | 403                                       |
| <b>New Jersey</b>           |             |             |             |  |   |
| Essex County                | 310         | 259         | 233         | 199  | 220                                       |
| Hudson County               | 161         | 162         | 150         | 123  | 121                                       |

**Table 1d. Diagnoses of HIV infection among persons aged ≥13 years, by area of residence, 2017–2021—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence     | 2017  | 2018  | 2019  | 2020<br>(COVID-19<br>pandemic) <sup>a</sup> | 2021<br>(preliminary) <sup>b</sup> |
|-----------------------|-------|-------|-------|---|------------------------------------|
|                       | No.   | No.   | No.   | No.   | No.                                |
| <b>New York</b>       |       |       |       |   |                                    |
| Bronx County          | 503   | 458   | 502   | 338   | 353                                |
| Kings County          | 629   | 544   | 474   | 444   | 368                                |
| New York County       | 398   | 375   | 333   | 296   | 305                                |
| Queens County         | 433   | 414   | 354   | 316   | 291                                |
| <b>North Carolina</b> |       |       |       |   |                                    |
| Mecklenburg County    | 269   | 237   | 267   | 209   | 268                                |
| <b>Ohio</b>           |       |       |       |   |                                    |
| Cuyahoga County       | 148   | 151   | 159   | 185   | 152                                |
| Franklin County       | 222   | 192   | 215   | 204   | 160                                |
| Hamilton County       | 187   | 182   | 172   | 132   | 114                                |
| <b>Pennsylvania</b>   |       |       |       |   |                                    |
| Philadelphia County   | 510   | 438   | 445   | 331   | 304                                |
| <b>Puerto Rico</b>    |       |       |       |   |                                    |
| San Juan Municipio    | 112   | 103   | 88    | 71  | 77                                 |
| <b>Tennessee</b>      |       |       |       |   |                                    |
| Shelby County         | 259   | 291   | 261   | 235   | 273                                |
| <b>Texas</b>          |       |       |       |   |                                    |
| Bexar County          | 349   | 323   | 331   | 282   | 306                                |
| Dallas County         | 818   | 794   | 748   | 658   | 710                                |
| Harris County         | 1,100 | 1,203 | 1,218 | 921   | 1,001                              |
| Tarrant County        | 304   | 282   | 312   | 292   | 280                                |
| Travis County         | 212   | 188   | 177   | 162   | 213                                |
| <b>Washington</b>     |       |       |       |   |                                    |
| King County           | 213   | 289   | 242   | 198   | 232                                |

Abbreviation: CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Data are based on residence at diagnosis of HIV infection. Data are for cases reported to CDC through December 2021.

<sup>a</sup> Data for the year 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.

<sup>b</sup> Data for the year 2021 are considered preliminary until a 12-month reporting delay has been reached, and should be interpreted with caution.

**Table 2a. Linkage to HIV medical care within 1 month of HIV diagnosis among persons aged ≥13 years, by selected characteristics, January 2020–September 2021—45 states and the District of Columbia**

|  | Total diagnoses                       | ≥1 CD4 or VL tests |             | No CD4 or VL test |             |
|--|---------------------------------------|--------------------|-------------|-------------------|-------------|
|  |                                       | No.                | %           | No.               | %           |
|  | 2020 (COVID-19 pandemic) <sup>a</sup> |                    |             |                   |             |
| <b>Gender</b>  |                                       |                    |             |                   |             |
| Male   | 22,727                                | 18,739             | 82.5        | 3,988             | 17.5        |
| Female   | 5,042                                 | 4,146              | 82.2        | 896               | 17.8        |
| Transgender woman <sup>b</sup>                                   | 599                                   | 484                | 80.8        | 115               | 19.2        |
| Transgender man <sup>b</sup>                                     | 38                                    | 35                 | 92.1        | 3                 | 7.9         |
| Additional gender identity <sup>c</sup>                          | 16                                    | 15                 | 93.8        | 1                 | 6.3         |
| <b>Age at diagnosis (yr)</b>                                     |                                       |                    |             |                   |             |
| 13–24  | 5,728                                 | 4,585              | 80.0        | 1,143             | 20.0        |
| 25–34  | 10,570                                | 8,701              | 82.3        | 1,869             | 17.7        |
| 35–44  | 5,545                                 | 4,573              | 82.5        | 972               | 17.5        |
| 45–54  | 3,644                                 | 3,081              | 84.5        | 563               | 15.5        |
| ≥55  | 2,935                                 | 2,479              | 84.5        | 456               | 15.5        |
| <b>Race/ethnicity</b>  |                                       |                    |             |                   |             |
| American Indian/Alaska Native                                    | 195                                   | 156                | 80.0        | 39                | 20.0        |
| Asian  | 612                                   | 538                | 87.9        | 74                | 12.1        |
| Black/African American   | 12,069                                | 9,615              | 79.7        | 2,454             | 20.3        |
| Hispanic/Latino <sup>d</sup>                                     | 7,498                                 | 6,380              | 85.1        | 1,118             | 14.9        |
| Native Hawaiian/other Pacific Islander                           | 63                                    | 54                 | 85.7        | 9                 | 14.3        |
| White  | 7,256                                 | 6,066              | 83.6        | 1,190             | 16.4        |
| Multiracial  | 729                                   | 610                | 83.7        | 119               | 16.3        |
| <b>Transmission category (based on sex at birth)<sup>e</sup></b> |                                       |                    |             |                   |             |
| Male-to-male sexual contact                                      | 19,414                                | 16,097             | 82.9        | 3,317             | 17.1        |
| Injection drug use   | 1,846                                 | 1,439              | 77.9        | 407               | 22.1        |
| Male   | 1,052                                 | 819                | 77.8        | 234               | 22.2        |
| Female   | 794                                   | 620                | 78.1        | 174               | 21.9        |
| Male-to-male sexual contact and injection drug use               | 1,023                                 | 821                | 80.3        | 202               | 19.7        |
| Heterosexual contact <sup>f</sup>                                | 6,058                                 | 4,994              | 82.4        | 1,064             | 17.6        |
| Male   | 1,826                                 | 1,479              | 81.0        | 347               | 19.0        |
| Female   | 4,231                                 | 3,515              | 83.1        | 717               | 16.9        |
| <b>Total<sup>g</sup></b>   | <b>28,422</b>                         | <b>23,419</b>      | <b>82.4</b> | <b>5,003</b>      | <b>17.6</b> |

**Table 2a. Linkage to HIV medical care within 1 month of HIV diagnosis among persons aged ≥13 years, by selected characteristics, January 2020–September 2021—45 states and the District of Columbia (cont)**

|  | Total diagnoses | ≥1 CD4 or VL tests |             | No CD4 or VL test |             |  |
|--|-----------------|--------------------|-------------|-------------------|-------------|--|
|  |                 | No.                | No.         | %                 | No.         |  |
| <b>2021 (January–September, preliminary)<sup>h</sup></b>         |                 |                    |             |                   |             |  |
| <b>Gender</b>  |                 |                    |             |                   |             |  |
| Male   | 19,466          | 16,242             | 83.4        | 3,224             | 16.6        |  |
| Female   | 4,281           | 3,547              | 82.9        | 734               | 17.1        |  |
| Transgender woman <sup>b</sup>                                   | 517             | 433                | 83.8        | 84                | 16.2        |  |
| Transgender man <sup>b</sup>                                     | 41              | 38                 | 92.7        | 3                 | 7.3         |  |
| Additional gender identity <sup>c</sup>                          | 24              | 20                 | 83.3        | 4                 | 16.7        |  |
| <b>Age at diagnosis (yr)</b>                                     |                 |                    |             |                   |             |  |
| 13–24  | 4,719           | 3,823              | 81.0        | 896               | 19.0        |  |
| 25–34  | 8,999           | 7,496              | 83.3        | 1,503             | 16.7        |  |
| 35–44  | 5,135           | 4,301              | 83.8        | 834               | 16.2        |  |
| 45–54  | 2,962           | 2,516              | 84.9        | 446               | 15.1        |  |
| ≥55  | 2,514           | 2,144              | 85.3        | 370               | 14.7        |  |
| <b>Race/ethnicity</b>  |                 |                    |             |                   |             |  |
| American Indian/Alaska Native                                    | 168             | 142                | 84.5        | 26                | 15.5        |  |
| Asian  | 482             | 432                | 89.6        | 50                | 10.4        |  |
| Black/African American   | 10,010          | 8,131              | 81.2        | 1,879             | 18.8        |  |
| Hispanic/Latino <sup>d</sup>                                     | 6,912           | 5,954              | 86.1        | 958               | 13.9        |  |
| Native Hawaiian/other Pacific Islander                           | 51              | 41                 | 80.4        | 10                | 19.6        |  |
| White  | 6,228           | 5,177              | 83.1        | 1,051             | 16.9        |  |
| Multiracial  | 478             | 403                | 84.3        | 75                | 15.7        |  |
| <b>Transmission category (based on sex at birth)<sup>e</sup></b> |                 |                    |             |                   |             |  |
| Male-to-male sexual contact                                      | 16,726          | 14,033             | 83.9        | 2,692             | 16.1        |  |
| Injection drug use   | 1,650           | 1,271              | 77.0        | 379               | 23.0        |  |
| Male   | 949             | 720                | 75.9        | 229               | 24.1        |  |
| Female   | 701             | 550                | 78.6        | 150               | 21.4        |  |
| Male-to-male sexual contact and injection drug use               | 870             | 706                | 81.1        | 164               | 18.9        |  |
| Heterosexual contact <sup>f</sup>                                | 5,015           | 4,212              | 84.0        | 803               | 16.0        |  |
| Male   | 1,432           | 1,211              | 84.6        | 220               | 15.4        |  |
| Female   | 3,583           | 3,001              | 83.8        | 582               | 16.2        |  |
| <b>Total<sup>g</sup></b>   | <b>24,329</b>   | <b>20,280</b>      | <b>83.4</b> | <b>4,049</b>      | <b>16.6</b> |  |

Abbreviations: CD4, CD4+ T-lymphocyte count (cells/µL) or percentage; VL, viral load (copies/mL); CDC, the Centers for Disease Control and Prevention [footnotes only].

*Note.* Data are based on residence at diagnosis of HIV infection. Data are for cases reported to CDC through December 2021. Linkage to HIV medical care was measured by documentation of ≥1 CD4 or VL tests ≤1 month after HIV diagnosis. Reporting of linkage to HIV medical care data requires a minimum 3-month reporting delay to account for delays in reporting of laboratory results to CDC; therefore, data on linkage to HIV medical care in these surveillance tables are for persons with HIV diagnosed during January 2020 through September 2021 and reported to CDC through December 2021. Data are not provided for states and associated jurisdictions that do not have laws requiring reporting of all CD4 and viral loads or that have incomplete reporting of laboratory data to CDC. Areas without laws: Idaho and New Jersey. Areas with incomplete reporting: Kentucky, Pennsylvania (excluding Philadelphia), and Vermont.

<sup>a</sup> Data for the year 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.

<sup>b</sup> “Transgender woman” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender. “Transgender man” includes individuals who were assigned “female” sex at birth but have ever identified as “male” gender.

<sup>c</sup> Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

<sup>d</sup> Hispanic/Latino persons can be of any race.

<sup>e</sup> Transmission category is determined based on assigned sex at birth; data have been statistically adjusted to account for missing transmission category, therefore values may not sum to column totals.

<sup>f</sup> Sexual contact with a person known to have, or with a risk factor for, HIV infection.

<sup>g</sup> Includes persons whose infection was attributed to hemophilia, blood transfusion, or perinatal exposure or whose risk factor was not reported or not identified; data not displayed because the numbers were too small to be meaningful.

<sup>h</sup> Data for the year 2021 are considered preliminary until a 12-month reporting delay has been reached, and should be interpreted with caution.

**Table 2b. Linkage to HIV medical care within 1 month of HIV diagnosis among persons aged ≥13 years, by area of residence, January 2020–September 2021—45 states and the District of Columbia**

| Area of residence                           | Total diagnoses<br>No. | ≥1 CD4 or VL tests |      | No CD4 or VL test |      |
|---|------------------------|--------------------|------|-------------------|------|
|   |                        | No.                | %    | No.               | %    |
| <b>2020 (COVID-19 pandemic)<sup>a</sup></b> |                        |                    |      |                   |      |
| Alabama                                     | 585                    | 466                | 79.7 | 119               | 20.3 |
| Alaska                                      | 29                     | 28                 | 96.6 | 1                 | 3.4  |
| Arizona                                     | 662                    | 561                | 84.7 | 101               | 15.3 |
| Arkansas                                    | 242                    | 193                | 79.8 | 49                | 20.2 |
| California                                  | 3,924                  | 3,269              | 83.3 | 655               | 16.7 |
| Colorado                                    | 324                    | 284                | 87.7 | 40                | 12.3 |
| Connecticut                                 | 171                    | 143                | 83.6 | 28                | 16.4 |
| Delaware                                    | 93                     | 75                 | 80.6 | 18                | 19.4 |
| District of Columbia                        | 197                    | 172                | 87.3 | 25                | 12.7 |
| Florida                                     | 3,408                  | 2,863              | 84.0 | 545               | 16.0 |
| Georgia                                     | 1,977                  | 1,605              | 81.2 | 372               | 18.8 |
| Hawaii                                      | 51                     | 44                 | 86.3 | 7                 | 13.7 |
| Illinois                                    | 1,096                  | 921                | 84.0 | 175               | 16.0 |
| Indiana                                     | 433                    | 323                | 74.6 | 110               | 25.4 |
| Iowa  | 100                    | 90                 | 90.0 | 10                | 10.0 |
| Kansas                                      | 138                    | 118                | 85.5 | 20                | 14.5 |
| Louisiana                                   | 722                    | 549                | 76.0 | 173               | 24.0 |
| Maine                                       | 16                     | 15                 | 93.8 | 1                 | 6.3  |
| Maryland                                    | 706                    | 617                | 87.4 | 89                | 12.6 |
| Massachusetts                               | 434                    | 382                | 88.0 | 52                | 12.0 |
| Michigan                                    | 519                    | 438                | 84.4 | 81                | 15.6 |
| Minnesota                                   | 229                    | 206                | 90.0 | 23                | 10.0 |
| Mississippi                                 | 402                    | 294                | 73.1 | 108               | 26.9 |
| Missouri                                    | 359                    | 285                | 79.4 | 74                | 20.6 |
| Montana                                     | 14                     | 13                 | 92.9 | 1                 | 7.1  |
| Nebraska                                    | 73                     | 65                 | 89.0 | 8                 | 11.0 |
| Nevada                                      | 392                    | 338                | 86.2 | 54                | 13.8 |
| New Hampshire                               | 33                     | 26                 | 78.8 | 7                 | 21.2 |
| New Mexico                                  | 131                    | 111                | 84.7 | 20                | 15.3 |
| New York                                    | 1,963                  | 1,685              | 85.8 | 278               | 14.2 |
| North Carolina                              | 1,079                  | 887                | 82.2 | 192               | 17.8 |
| North Dakota                                | 36                     | 31                 | 86.1 | 5                 | 13.9 |
| Ohio  | 888                    | 761                | 85.7 | 127               | 14.3 |
| Oklahoma                                    | 333                    | 253                | 76.0 | 80                | 24.0 |
| Oregon                                      | 180                    | 150                | 83.3 | 30                | 16.7 |
| Rhode Island                                | 53                     | 48                 | 90.6 | 5                 | 9.4  |
| South Carolina                              | 655                    | 576                | 87.9 | 79                | 12.1 |
| South Dakota                                | 34                     | 29                 | 85.3 | 5                 | 14.7 |
| Tennessee                                   | 647                    | 481                | 74.3 | 166               | 25.7 |
| Texas                                       | 3,548                  | 2,731              | 77.0 | 817               | 23.0 |
| Utah  | 131                    | 111                | 84.7 | 20                | 15.3 |
| Virginia                                    | 628                    | 512                | 81.5 | 116               | 18.5 |
| Washington                                  | 421                    | 373                | 88.6 | 48                | 11.4 |
| West Virginia                               | 139                    | 99                 | 71.2 | 40                | 28.8 |
| Wisconsin                                   | 213                    | 185                | 86.9 | 28                | 13.1 |
| Wyoming                                     | 14                     | 13                 | 92.9 | 1                 | 7.1  |

**Table 2b. Linkage to HIV medical care within 1 month of HIV diagnosis among persons aged ≥13 years, by area of residence, January 2020–September 2021—45 states and the District of Columbia (cont)**

| Area of residence  | No.   | Total diagnoses |      | ≥1 CD4 or VL tests |      | No CD4 or VL test |   |
|--|-------|-----------------|------|--------------------|------|-------------------|---|
|  |       | No.             | %    | No.                | %    | No.               | % |
| <b>2021 (January–September, preliminary)<sup>b</sup></b> |       |                 |      |                    |      |                   |   |
| Alabama  | 350   | 273             | 78.0 | 77                 | 22.0 |                   |   |
| Alaska   | 17    | 17              | 100  | 0                  | 0.0  |                   |   |
| Arizona  | 663   | 568             | 85.7 | 95                 | 14.3 |                   |   |
| Arkansas   | 274   | 216             | 78.8 | 58                 | 21.2 |                   |   |
| California   | 3,028 | 2,552           | 84.3 | 476                | 15.7 |                   |   |
| Colorado   | 301   | 264             | 87.7 | 37                 | 12.3 |                   |   |
| Connecticut  | 171   | 149             | 87.1 | 22                 | 12.9 |                   |   |
| Delaware   | 60    | 50              | 83.3 | 10                 | 16.7 |                   |   |
| District of Columbia                                     | 90    | 75              | 83.3 | 15                 | 16.7 |                   |   |
| Florida  | 3,496 | 2,991           | 85.6 | 505                | 14.4 |                   |   |
| Georgia  | 1,495 | 1,285           | 86.0 | 210                | 14.0 |                   |   |
| Hawaii   | 50    | 43              | 86.0 | 7                  | 14.0 |                   |   |
| Illinois   | 745   | 649             | 87.1 | 96                 | 12.9 |                   |   |
| Indiana  | 390   | 301             | 77.2 | 89                 | 22.8 |                   |   |
| Iowa   | 94    | 82              | 87.2 | 12                 | 12.8 |                   |   |
| Kansas   | 120   | 108             | 90.0 | 12                 | 10.0 |                   |   |
| Louisiana  | 720   | 582             | 80.8 | 138                | 19.2 |                   |   |
| Maine  | 25    | 22              | 88.0 | 3                  | 12.0 |                   |   |
| Maryland   | 570   | 507             | 88.9 | 63                 | 11.1 |                   |   |
| Massachusetts  | 251   | 233             | 92.8 | 18                 | 7.2  |                   |   |
| Michigan   | 498   | 438             | 88.0 | 60                 | 12.0 |                   |   |
| Minnesota  | 220   | 182             | 82.7 | 38                 | 17.3 |                   |   |
| Mississippi  | 324   | 227             | 70.1 | 97                 | 29.9 |                   |   |
| Missouri   | 407   | 315             | 77.4 | 92                 | 22.6 |                   |   |
| Montana  | 14    | 13              | 92.9 | 1                  | 7.1  |                   |   |
| Nebraska   | 78    | 67              | 85.9 | 11                 | 14.1 |                   |   |
| Nevada   | 392   | 350             | 89.3 | 42                 | 10.7 |                   |   |
| New Hampshire  | 27    | 27              | 100  | 0                  | 0.0  |                   |   |
| New Mexico   | 107   | 94              | 87.9 | 13                 | 12.1 |                   |   |
| New York   | 1,568 | 1,350           | 86.1 | 218                | 13.9 |                   |   |
| North Carolina   | 1,046 | 851             | 81.4 | 195                | 18.6 |                   |   |
| North Dakota   | 21    | 18              | 85.7 | 3                  | 14.3 |                   |   |
| Ohio   | 710   | 606             | 85.4 | 104                | 14.6 |                   |   |
| Oklahoma   | 223   | 163             | 73.1 | 60                 | 26.9 |                   |   |
| Oregon   | 148   | 112             | 75.7 | 36                 | 24.3 |                   |   |
| Rhode Island   | 50    | 24              | 48.0 | 26                 | 52.0 |                   |   |
| South Carolina   | 500   | 446             | 89.2 | 54                 | 10.8 |                   |   |
| South Dakota   | 23    | 20              | 87.0 | 3                  | 13.0 |                   |   |
| Tennessee  | 624   | 428             | 68.6 | 196                | 31.4 |                   |   |
| Texas  | 3,061 | 2,426           | 79.3 | 635                | 20.7 |                   |   |
| Utah   | 99    | 84              | 84.8 | 15                 | 15.2 |                   |   |
| Virginia   | 618   | 502             | 81.2 | 116                | 18.8 |                   |   |
| Washington   | 364   | 323             | 88.7 | 41                 | 11.3 |                   |   |
| West Virginia  | 107   | 79              | 73.8 | 28                 | 26.2 |                   |   |
| Wisconsin  | 187   | 165             | 88.2 | 22                 | 11.8 |                   |   |
| Wyoming  | 3     | 3               | 100  | 0                  | 0.0  |                   |   |

Abbreviations: CD4, CD4+ T-lymphocyte count (cells/ $\mu$ L) or percentage; VL, viral load (copies/mL); CDC, the Centers for Disease Control and Prevention [footnotes only].

**Note.** Data are based on residence at diagnosis of HIV infection. Data are for cases reported to CDC through December 2021. Linkage to HIV medical care was measured by documentation of ≥1 CD4 or VL tests ≤1 month after HIV diagnosis. Reporting of linkage to HIV medical care data requires a minimum 3-month reporting delay to account for delays in reporting of laboratory results to CDC; therefore, data on linkage to HIV medical care in these surveillance tables are for persons with HIV diagnosed during January 2020 through September 2021 and reported to CDC through December 2021. Data are not provided for states and associated jurisdictions that do not have laws requiring reporting of all CD4 and viral loads or that have incomplete reporting of laboratory data to CDC. Areas without laws: Idaho and New Jersey. Areas with incomplete reporting: Kentucky, Pennsylvania, Puerto Rico, and Vermont.

<sup>a</sup> Data for the year 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.

<sup>b</sup> Data for the year 2021 are considered preliminary until a 12-month reporting delay has been reached, and should be interpreted with caution.

**Table 2c. Linkage to HIV medical care within 1 month of HIV diagnosis among persons aged ≥13 years, by area of residence, January 2020–September 2021—Ending the HIV Epidemic Phase I jurisdictions**

| Area of residence           | 2020 (COVID-19 pandemic) <sup>a</sup> |                    |      |                   |      | 2021 (January–September, preliminary) <sup>b</sup> |                    |      |                   |      |
|-----------------------------|---------------------------------------|--------------------|------|-------------------|------|--|--------------------|------|-------------------|------|
|                             | Total diagnoses                       | ≥1 CD4 or VL tests |      | No CD4 or VL test |      | Total diagnoses                                    | ≥1 CD4 or VL tests |      | No CD4 or VL test |      |
|                             |                                       | No.                | %    | No.               | %    |  | No.                | %    | No.               | %    |
| <b>Arizona</b>              |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Maricopa County             | 477                                   | 408                | 85.5 | 69                | 14.5 | 439  | 382                | 87.0 | 57                | 13.0 |
| <b>California</b>           |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Alameda County              | 157                                   | 132                | 84.1 | 25                | 15.9 | 138  | 125                | 90.6 | 13                | 9.4  |
| Los Angeles County          | 1,382                                 | 1,128              | 81.6 | 254               | 18.4 | 1,052  | 881                | 83.7 | 171               | 16.3 |
| Orange County               | 264                                   | 237                | 89.8 | 27                | 10.2 | 211  | 185                | 87.7 | 26                | 12.3 |
| Riverside County            | 239                                   | 196                | 82.0 | 43                | 18.0 | 185  | 141                | 76.2 | 44                | 23.8 |
| Sacramento County           | 153                                   | 135                | 88.2 | 18                | 11.8 | 91   | 81                 | 89.0 | 10                | 11.0 |
| San Bernardino County       | 263                                   | 186                | 70.7 | 77                | 29.3 | 225  | 169                | 75.1 | 56                | 24.9 |
| San Diego County            | 296                                   | 256                | 86.5 | 40                | 13.5 | 162  | 143                | 88.3 | 19                | 11.7 |
| San Francisco County        | 153                                   | 144                | 94.1 | 9                 | 5.9  | 144  | 137                | 95.1 | 7                 | 4.9  |
| <b>District of Columbia</b> | 197                                   | 172                | 87.3 | 25                | 12.7 | 90   | 75                 | 83.3 | 15                | 16.7 |
| <b>Florida</b>              |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Broward County              | 460                                   | 402                | 87.4 | 58                | 12.6 | 506  | 437                | 86.4 | 69                | 13.6 |
| Duval County                | 229                                   | 184                | 80.3 | 45                | 19.7 | 226  | 184                | 81.4 | 42                | 18.6 |
| Hillsborough County         | 247                                   | 209                | 84.6 | 38                | 15.4 | 248  | 213                | 85.9 | 35                | 14.1 |
| Miami-Dade County           | 781                                   | 660                | 84.5 | 121               | 15.5 | 905  | 785                | 86.7 | 120               | 13.3 |
| Orange County               | 369                                   | 318                | 86.2 | 51                | 13.8 | 385  | 322                | 83.6 | 63                | 16.4 |
| Palm Beach County           | 213                                   | 170                | 79.8 | 43                | 20.2 | 164  | 135                | 82.3 | 29                | 17.7 |
| Pinellas County             | 152                                   | 128                | 84.2 | 24                | 15.8 | 109  | 89                 | 81.7 | 20                | 18.3 |
| <b>Georgia</b>              |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Cobb County                 | 135                                   | 110                | 81.5 | 25                | 18.5 | 94   | 85                 | 90.4 | 9                 | 9.6  |
| DeKalb County               | 269                                   | 224                | 83.3 | 45                | 16.7 | 216  | 193                | 89.4 | 23                | 10.6 |
| Fulton County               | 477                                   | 401                | 84.1 | 76                | 15.9 | 401  | 348                | 86.8 | 53                | 13.2 |
| Gwinnett County             | 149                                   | 111                | 74.5 | 38                | 25.5 | 87   | 78                 | 89.7 | 9                 | 10.3 |
| <b>Illinois</b>             |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Cook County                 | 774                                   | 662                | 85.5 | 112               | 14.5 | 556  | 485                | 87.2 | 71                | 12.8 |
| <b>Indiana</b>              |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Marion County               | 167                                   | 128                | 76.6 | 39                | 23.4 | 171  | 134                | 78.4 | 37                | 21.6 |
| <b>Louisiana</b>            |                                       |                    |      |                   |      |  |                    |      |                   |      |
| East Baton Rouge Parish     | 124                                   | 99                 | 79.8 | 25                | 20.2 | 117  | 91                 | 77.8 | 26                | 22.2 |
| Orleans Parish              | 105                                   | 84                 | 80.0 | 21                | 20.0 | 106  | 96                 | 90.6 | 10                | 9.4  |
| <b>Maryland</b>             |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Baltimore City              | 175                                   | 150                | 85.7 | 25                | 14.3 | 108  | 99                 | 91.7 | 9                 | 8.3  |
| Montgomery County           | 80                                    | 70                 | 87.5 | 10                | 12.5 | 73   | 67                 | 91.8 | 6                 | 8.2  |
| Prince George's County      | 214                                   | 193                | 90.2 | 21                | 9.8  | 176  | 149                | 84.7 | 27                | 15.3 |
| <b>Massachusetts</b>        |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Suffolk County              | 135                                   | 121                | 89.6 | 14                | 10.4 | 88   | 84                 | 95.5 | 4                 | 4.5  |

**Table 2c. Linkage to HIV medical care within 1 month of HIV diagnosis among persons aged ≥13 years, by area of residence, January 2020–September 2021—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence     | 2020 (COVID-19 pandemic) <sup>a</sup> |                    |      |                   |      | 2021 (January–September, preliminary) <sup>b</sup> |                    |      |                   |      |
|-----------------------|---------------------------------------|--------------------|------|-------------------|------|--|--------------------|------|-------------------|------|
|                       | Total diagnoses                       | ≥1 CD4 or VL tests |      | No CD4 or VL test |      | Total diagnoses                                    | ≥1 CD4 or VL tests |      | No CD4 or VL test |      |
|                       |                                       | No.                | %    | No.               | %    |  | No.                | %    | No.               | %    |
| <b>Michigan</b>       |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Wayne County          | 227                                   | 186                | 81.9 | 41                | 18.1 | 198  | 172                | 86.9 | 26                | 13.1 |
| <b>Nevada</b>         |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Clark County          | 343                                   | 295                | 86.0 | 48                | 14.0 | 349  | 311                | 89.1 | 38                | 10.9 |
| <b>New York</b>       |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Bronx County          | 338                                   | 289                | 85.5 | 49                | 14.5 | 301  | 268                | 89.0 | 33                | 11.0 |
| Kings County          | 444                                   | 376                | 84.7 | 68                | 15.3 | 317  | 272                | 85.8 | 45                | 14.2 |
| New York County       | 296                                   | 250                | 84.5 | 46                | 15.5 | 258  | 210                | 81.4 | 48                | 18.6 |
| Queens County         | 316                                   | 279                | 88.3 | 37                | 11.7 | 246  | 211                | 85.8 | 35                | 14.2 |
| <b>North Carolina</b> |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Mecklenburg County    | 209                                   | 173                | 82.8 | 36                | 17.2 | 222  | 186                | 83.8 | 36                | 16.2 |
| <b>Ohio</b>           |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Cuyahoga County       | 185                                   | 164                | 88.6 | 21                | 11.4 | 123  | 110                | 89.4 | 13                | 10.6 |
| Franklin County       | 204                                   | 180                | 88.2 | 24                | 11.8 | 144  | 128                | 88.9 | 16                | 11.1 |
| Hamilton County       | 132                                   | 115                | 87.1 | 17                | 12.9 | 100  | 92                 | 92.0 | 8                 | 8.0  |
| <b>Pennsylvania</b>   |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Philadelphia County   | 331                                   | 286                | 86.4 | 45                | 13.6 | 258  | 212                | 82.2 | 46                | 17.8 |
| <b>Tennessee</b>      |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Shelby County         | 235                                   | 158                | 67.2 | 77                | 32.8 | 215  | 120                | 55.8 | 95                | 44.2 |
| <b>Texas</b>          |                                       |                    |      |                   |      |  |                    |      |                   |      |
| Bexar County          | 282                                   | 202                | 71.6 | 80                | 28.4 | 256  | 202                | 78.9 | 54                | 21.1 |
| Dallas County         | 658                                   | 502                | 76.3 | 156               | 23.7 | 573  | 448                | 78.2 | 125               | 21.8 |
| Harris County         | 921                                   | 698                | 75.8 | 223               | 24.2 | 845  | 651                | 77.0 | 194               | 23.0 |
| Tarrant County        | 292                                   | 211                | 72.3 | 81                | 27.7 | 252  | 199                | 79.0 | 53                | 21.0 |
| Travis County         | 162                                   | 130                | 80.2 | 32                | 19.8 | 162  | 136                | 84.0 | 26                | 16.0 |
| <b>Washington</b>     |                                       |                    |      |                   |      |  |                    |      |                   |      |
| King County           | 198                                   | 177                | 89.4 | 21                | 10.6 | 178  | 157                | 88.2 | 21                | 11.8 |

Abbreviations: CD4, CD4+ T-lymphocyte count (cells/µL) or percentage; VL, viral load (copies/mL); CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Data are based on residence at diagnosis of HIV infection. Data are for cases reported to CDC through December 2021, are considered preliminary until a 12-month reporting delay has been reached, and should be interpreted with caution. Linkage to HIV medical care was measured by documentation of ≥1 CD4 or VL tests ≤1 month after HIV diagnosis. Reporting of linkage to HIV medical care data requires a minimum 3-month reporting delay to account for delays in reporting of laboratory results to CDC; therefore, data on linkage to HIV medical care in these surveillance tables are for persons with HIV diagnosed during January 2020 through September 2021 and reported to CDC through December 2021. Data are not provided for states and associated jurisdictions that do not have laws requiring reporting of all CD4 and viral loads or that have incomplete reporting of laboratory data to CDC. Areas without laws: Idaho and New Jersey. Areas with incomplete reporting: Kentucky, Pennsylvania (excluding Philadelphia), Puerto Rico, and Vermont.

<sup>a</sup> Data for the year 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.

<sup>b</sup> Data for the year 2021 are considered preliminary until a 12-month reporting delay has been reached, and should be interpreted with caution.

**Table 3a. HIV viral suppression during 2020 (COVID-19 pandemic) among persons aged ≥13 years with HIV infection diagnosed by year-end 2019 and alive at year-end 2020, by selected characteristics—45 states and the District of Columbia**

|  | Persons alive at year-end 2020<br>No. | VL <200 copies/mL |             |
|--|---------------------------------------|-------------------|-------------|
|  |                                       | No.               | %           |
| <b>Gender</b>  |                                       |                   |             |
| Male   | 717,879                               | 466,295           | 65.0        |
| Female   | 215,092                               | 135,941           | 63.2        |
| Transgender male-to-female <sup>a</sup>                          | 10,625                                | 6,967             | 65.6        |
| Transgender female-to-male <sup>a</sup>                          | 444                                   | 303               | 68.2        |
| Additional gender identity <sup>b</sup>                          | 207                                   | 148               | 71.5        |
| <b>Age at year-end 2019 (yr)</b>                                 |                                       |                   |             |
| 13–24  | 28,697                                | 18,236            | 63.5        |
| 25–34  | 150,764                               | 93,549            | 62.0        |
| 35–44  | 178,445                               | 111,292           | 62.4        |
| 45–54  | 243,064                               | 159,138           | 65.5        |
| ≥55  | 343,277                               | 227,439           | 66.3        |
| <b>Race/ethnicity</b>  |                                       |                   |             |
| American Indian/Alaska Native                                    | 2,988                                 | 1,844             | 61.7        |
| Asian <sup>c</sup>   | 14,655                                | 9,987             | 68.1        |
| Black/African American   | 382,521                               | 230,853           | 60.4        |
| Hispanic/Latino <sup>d</sup>                                     | 220,065                               | 139,001           | 63.2        |
| Native Hawaiian/other Pacific Islander                           | 845                                   | 545               | 64.5        |
| White  | 275,950                               | 193,780           | 70.2        |
| Multiracial  | 46,546                                | 33,597            | 72.2        |
| <b>Transmission category (based on sex at birth)<sup>e</sup></b> |                                       |                   |             |
| Male-to-male sexual contact                                      | 544,758                               | 366,068           | 67.2        |
| Injection drug use   | 97,081                                | 53,638            | 55.3        |
| Male   | 55,700                                | 28,955            | 52.0        |
| Female   | 41,380                                | 24,683            | 59.6        |
| Male-to-male sexual contact and injection drug use               | 51,989                                | 33,360            | 64.2        |
| Heterosexual contact <sup>f</sup>                                | 236,672                               | 148,910           | 62.9        |
| Male   | 69,303                                | 41,204            | 59.5        |
| Female   | 167,368                               | 107,706           | 64.4        |
| Other <sup>g</sup>   | 13,748                                | 7,677             | 55.8        |
| Male   | 6,932                                 | 3,803             | 54.9        |
| Female   | 6,817                                 | 3,874             | 56.8        |
| <b>Total<sup>h</sup></b>   | <b>944,247</b>                        | <b>609,654</b>    | <b>64.6</b> |

Abbreviations: VL, viral load (copies/mL); CD4, CD4+ T-lymphocyte count (cells/µL) or percentage [footnotes only]; CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Data for the year 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. Data are based on address of residence as of December 31, 2020 (i.e., most recent known address). A VL test result of <200 copies/mL indicates HIV viral suppression. VL test results are from the most recent test during 2020. Data not provided for states and associated jurisdictions that lack laws requiring reporting of all CD4 and viral loads or that have incomplete reporting of laboratory data to CDC. Areas without laws: Idaho and New Jersey. Areas with incomplete lab reporting: Kentucky, Pennsylvania (excluding Philadelphia), and Vermont.

<sup>a</sup> “Transgender woman” includes individuals who were assigned “male” sex at birth but have ever identified as “female” gender.

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

<sup>b</sup> Additional gender identity examples include “bigender,” “gender queer,” and “two-spirit.”

<sup>c</sup> Includes Asian/Pacific Islander legacy cases.

<sup>d</sup> Hispanic/Latino persons can be of any race.

<sup>e</sup> Transmission category is determined based on assigned sex at birth; data have been statistically adjusted to account for missing transmission category, therefore values may not sum to column total.

<sup>f</sup> Sexual contact with a person known to have, or with a risk factor for, HIV infection.

<sup>g</sup> Other risk factors, including hemophilia, blood transfusion, and risk factor not reported or not identified.

<sup>h</sup> Includes 677 persons of unknown race/ethnicity.

**Table 3b. HIV viral suppression during 2020 (COVID-19 pandemic) among persons aged ≥13 years with HIV infection diagnosed by year-end 2019 and alive at year-end 2020, by area of residence—45 states and the District of Columbia**

| Area of residence           | Persons alive at year-end 2020 |        | VL <200 copies/mL |   |
|-----------------------------|--------------------------------|--------|-------------------|---|
|                             | No.                            | No.    | No.               | % |
| Alabama                     | 13,579                         | 8,875  | 65.4              |   |
| Alaska                      | 701                            | 550    | 78.5              |   |
| Arizona                     | 17,060                         | 11,242 | 65.9              |   |
| Arkansas                    | 5,821                          | 2,885  | 49.6              |   |
| California                  | 130,455                        | 85,115 | 65.2              |   |
| Colorado                    | 12,928                         | 7,512  | 58.1              |   |
| Connecticut                 | 10,402                         | 7,418  | 71.3              |   |
| Delaware                    | 3,349                          | 2,405  | 71.8              |   |
| District of Columbia        | 13,596                         | 7,444  | 54.8              |   |
| Florida                     | 111,231                        | 74,884 | 67.3              |   |
| Georgia                     | 55,634                         | 33,659 | 60.5              |   |
| Hawaii                      | 2,330                          | 1,776  | 76.2              |   |
| Illinois                    | 34,712                         | 22,449 | 64.7              |   |
| Indiana                     | 11,440                         | 7,493  | 65.5              |   |
| Iowa                        | 2,836                          | 2,248  | 79.3              |   |
| Kansas <sup>a</sup>         | 3,213                          | 2,324  | 72.3              |   |
| Louisiana                   | 20,676                         | 13,895 | 67.2              |   |
| Maine                       | 1,635                          | 1,266  | 77.4              |   |
| Maryland <sup>b</sup>       | 32,715                         | 20,335 | 62.2              |   |
| Massachusetts               | 20,602                         | 13,685 | 66.4              |   |
| Michigan                    | 16,352                         | 11,342 | 69.4              |   |
| Minnesota                   | 8,771                          | 5,858  | 66.8              |   |
| Mississippi                 | 9,326                          | 5,156  | 55.3              |   |
| Missouri                    | 12,511                         | 8,108  | 64.8              |   |
| Montana                     | 671                            | 517    | 77.0              |   |
| Nebraska                    | 2,248                          | 1,357  | 60.4              |   |
| Nevada                      | 10,656                         | 6,818  | 64.0              |   |
| New Hampshire               | 1,296                          | 951    | 73.4              |   |
| New Mexico                  | 3,811                          | 2,176  | 57.1              |   |
| New York                    | 123,315                        | 77,805 | 63.1              |   |
| North Carolina <sup>a</sup> | 32,498                         | 21,291 | 65.5              |   |
| North Dakota                | 490                            | 330    | 67.3              |   |
| Ohio                        | 22,818                         | 14,775 | 64.8              |   |
| Oklahoma                    | 6,281                          | 3,696  | 58.8              |   |
| Oregon                      | 7,164                          | 5,597  | 78.1              |   |
| Rhode Island                | 2,615                          | 1,812  | 69.3              |   |
| South Carolina <sup>a</sup> | 17,283                         | 12,434 | 71.9              |   |
| South Dakota                | 660                            | 313    | 47.4              |   |
| Tennessee                   | 17,572                         | 11,841 | 67.4              |   |
| Texas                       | 93,839                         | 56,378 | 60.1              |   |
| Utah                        | 3,132                          | 2,142  | 68.4              |   |
| Virginia                    | 23,425                         | 14,683 | 62.7              |   |
| Washington                  | 13,877                         | 10,697 | 77.1              |   |
| West Virginia               | 1,951                          | 1,175  | 60.2              |   |
| Wisconsin                   | 6,428                          | 4,718  | 73.4              |   |
| Wyoming                     | 342                            | 224    | 65.5              |   |

Abbreviations: VL, viral load (copies/mL); CD4, CD4+ T-lymphocyte count (cells/ $\mu$ L) or percentage [footnotes only]; CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Data for the year 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. Data are based on address of residence as of December 31, 2020 (i.e., most recent known address). A VL test result of <200 copies/mL indicates HIV viral suppression. VL test results are from the most recent test during 2020. Data not provided for states and associated jurisdictions that do not have laws requiring reporting of all CD4 and viral loads, or that have incomplete reporting of laboratory data to CDC. Areas without laws: Idaho and New Jersey. Areas with incomplete lab reporting: Kentucky, Pennsylvania, Puerto Rico, and Vermont.

<sup>a</sup> Data should be interpreted with caution due to incomplete ascertainment of deaths that occurred during the year 2020.

<sup>b</sup> Data should be interpreted with caution due to incomplete reporting of case information to CDC during December 2021.

**Table 3c. HIV viral suppression during 2020 (COVID-19 pandemic) among persons aged  $\geq 13$  years with HIV infection diagnosed by year-end 2019 and alive at year-end 2020, by area of residence—Ending the HIV Epidemic Phase I jurisdictions**

| Area of residence                 | Persons alive at year-end 2020<br>No. | VL <200 copies/mL |      |
|-----------------------------------|---------------------------------------|-------------------|------|
|                                   |                                       | No.               | %    |
| <b>Arizona</b>                    |                                       |                   |      |
| Maricopa County                   | 11,643                                | 7,851             | 67.4 |
| <b>California</b>                 |                                       |                   |      |
| Alameda County                    | 5,883                                 | 4,117             | 70.0 |
| Los Angeles County                | 48,881                                | 30,955            | 63.3 |
| Orange County                     | 6,835                                 | 4,269             | 62.5 |
| Riverside County                  | 9,530                                 | 7,298             | 76.6 |
| Sacramento County                 | 4,364                                 | 2,993             | 68.6 |
| San Bernardino County             | 4,596                                 | 2,773             | 60.3 |
| San Diego County                  | 13,026                                | 7,687             | 59.0 |
| San Francisco County              | 11,650                                | 8,424             | 72.3 |
| <b>District of Columbia</b>       | 13,596                                | 7,444             | 54.8 |
| <b>Florida</b>                    |                                       |                   |      |
| Broward County                    | 19,525                                | 13,410            | 68.7 |
| Duval County                      | 6,111                                 | 3,953             | 64.7 |
| Hillsborough County               | 6,988                                 | 5,106             | 73.1 |
| Miami-Dade County                 | 25,779                                | 15,256            | 59.2 |
| Orange County                     | 8,617                                 | 6,118             | 71.0 |
| Palm Beach County                 | 7,830                                 | 5,034             | 64.3 |
| Pinellas County                   | 4,678                                 | 3,582             | 76.6 |
| <b>Georgia</b>                    |                                       |                   |      |
| Cobb County                       | 3,347                                 | 2,153             | 64.3 |
| DeKalb County                     | 8,728                                 | 5,417             | 62.1 |
| Fulton County                     | 15,528                                | 9,375             | 60.4 |
| Gwinnett County                   | 3,039                                 | 1,989             | 65.4 |
| <b>Illinois</b>                   |                                       |                   |      |
| Cook County                       | 25,183                                | 16,001            | 63.5 |
| <b>Indiana</b>                    |                                       |                   |      |
| Marion County                     | 4,625                                 | 3,128             | 67.6 |
| <b>Louisiana</b>                  |                                       |                   |      |
| East Baton Rouge Parish           | 3,977                                 | 2,967             | 74.6 |
| Orleans Parish                    | 4,845                                 | 3,233             | 66.7 |
| <b>Maryland<sup>a</sup></b>       |                                       |                   |      |
| Baltimore City                    | 9,762                                 | 5,786             | 59.3 |
| Montgomery County                 | 3,776                                 | 2,089             | 55.3 |
| Prince George's County            | 7,867                                 | 4,993             | 63.5 |
| <b>Massachusetts</b>              |                                       |                   |      |
| Suffolk County                    | 5,571                                 | 3,673             | 65.9 |
| <b>Michigan</b>                   |                                       |                   |      |
| Wayne County                      | 6,779                                 | 4,371             | 64.5 |
| <b>Nevada</b>                     |                                       |                   |      |
| Clark County                      | 9,049                                 | 5,797             | 64.1 |
| <b>New York</b>                   |                                       |                   |      |
| Bronx County                      | 27,306                                | 17,310            | 63.4 |
| Kings County                      | 25,770                                | 15,749            | 61.1 |
| New York County                   | 26,113                                | 15,448            | 59.2 |
| Queens County                     | 15,731                                | 9,653             | 61.4 |
| <b>North Carolina<sup>b</sup></b> |                                       |                   |      |
| Mecklenburg County                | 5,993                                 | 3,891             | 64.9 |

**Table 3c. HIV viral suppression during 2020 (COVID-19 pandemic) among persons aged  $\geq 13$  years with HIV infection diagnosed by year-end 2019 and alive at year-end 2020, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence   | Persons alive at year-end 2020<br>No. | VL <200 copies/mL |      |
|---------------------|---------------------------------------|-------------------|------|
|                     |                                       | No.               | %    |
| <b>Ohio</b>         |                                       |                   |      |
| Cuyahoga County     | 4,737                                 | 3,118             | 65.8 |
| Franklin County     | 5,003                                 | 3,309             | 66.1 |
| Hamilton County     | 2,987                                 | 1,862             | 62.3 |
| <b>Pennsylvania</b> |                                       |                   |      |
| Philadelphia County | 16,678                                | 9,762             | 58.5 |
| <b>Tennessee</b>    |                                       |                   |      |
| Shelby County       | 6,072                                 | 3,939             | 64.9 |
| <b>Texas</b>        |                                       |                   |      |
| Bexar County        | 6,480                                 | 4,097             | 63.2 |
| Dallas County       | 18,383                                | 10,482            | 57.0 |
| Harris County       | 26,174                                | 16,371            | 62.5 |
| Tarrant County      | 5,942                                 | 3,582             | 60.3 |
| Travis County       | 5,006                                 | 3,403             | 68.0 |
| <b>Washington</b>   |                                       |                   |      |
| King County         | 6,919                                 | 5,516             | 79.7 |

Abbreviations: VL, viral load (copies/mL); CD4, CD4+ T-lymphocyte count (cells/ $\mu$ L) or percentage [footnotes only]; CDC, the Centers for Disease Control and Prevention [footnotes only].

Note. Data for the year 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. Data are based on address of residence as of December 31, 2020 (i.e., most recent known address). A VL test result of <200 copies/mL indicates HIV viral suppression. VL test results are from the most recent test during 2020. Data not provided for states and associated jurisdictions that do not have laws requiring reporting of all CD4 and viral loads, or that have incomplete reporting of laboratory data to CDC. Areas without laws: Idaho and New Jersey. Areas with incomplete lab reporting: Kentucky, Pennsylvania (excluding Philadelphia), Puerto Rico, and Vermont.

<sup>a</sup> Data should be interpreted with caution due to incomplete reporting of case information to CDC during December 2021.

<sup>b</sup> Data should be interpreted with caution due to incomplete ascertainment of deaths that occurred during the year 2020.

**Table 4a. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by selected characteristics—United States**

|                                   | Persons prescribed PrEP <sup>a</sup><br>No. | Persons with PrEP indications <sup>b</sup><br>No. | PrEP coverage <sup>c</sup><br>% |
|-----------------------------------|---|---|---------------------------------|
|                                   | 2017  |   |                                 |
| <b>Sex at birth</b>               |   |   |                                 |
| Male                              | 144,108                                     | 993,840   | 14.5                            |
| Female                            | 11,261                                      | 227,240   | 5.0                             |
| <b>Age (yr)</b>                   |   |   |                                 |
| 16–24                             | 19,682                                      | 259,130   | 7.6                             |
| 25–34                             | 62,820                                      | 425,690   | 14.8                            |
| 35–44                             | 36,442                                      | 233,560   | 15.6                            |
| 45–54                             | 24,167                                      | 180,870   | 13.4                            |
| ≥55                               | 12,300                                      | 121,830   | 10.1                            |
| <b>Race/ethnicity<sup>d</sup></b> |   |   |                                 |
| Black/African American            | 19,647                                      | 475,100   | 4.1                             |
| Hispanic/Latino <sup>e</sup>      | 22,623                                      | 299,580   | 7.6                             |
| Other                             | 6,847                                       | 132,040   | 5.2                             |
| White                             | 106,351                                     | 311,250   | 34.2                            |
| <b>Total</b>                      | <b>155,468</b>                              | <b>1,221,080</b>                                  | <b>12.7</b>                     |
| <b>2018</b>                       |   |   |                                 |
| <b>Sex at birth</b>               |   |   |                                 |
| Male                              | 204,722                                     | 989,200   | 20.7                            |
| Female                            | 15,872                                      | 227,010   | 7.0                             |
| <b>Age (yr)</b>                   |   |   |                                 |
| 16–24                             | 29,821                                      | 246,290   | 12.1                            |
| 25–34                             | 90,097                                      | 434,680   | 20.7                            |
| 35–44                             | 51,111                                      | 238,470   | 21.4                            |
| 45–54                             | 31,556                                      | 173,420   | 18.2                            |
| ≥55                               | 18,047                                      | 123,350   | 14.6                            |
| <b>Race/ethnicity<sup>d</sup></b> |   |   |                                 |
| Black/African American            | 29,103                                      | 468,540   | 6.2                             |
| Hispanic/Latino <sup>e</sup>      | 33,973                                      | 312,820   | 10.9                            |
| Other                             | 9,635                                       | 131,180   | 7.3                             |
| White                             | 148,002                                     | 300,650   | 49.2                            |
| <b>Total</b>                      | <b>220,713</b>                              | <b>1,216,210</b>                                  | <b>18.1</b>                     |
| <b>2019</b>                       |   |   |                                 |
| <b>Sex at birth</b>               |   |   |                                 |
| Male                              | 252,180                                     | 989,200   | 25.5                            |
| Female                            | 20,998                                      | 227,010   | 9.2                             |
| <b>Age (yr)</b>                   |   |   |                                 |
| 16–24                             | 36,867                                      | 246,290   | 15.0                            |
| 25–34                             | 112,015                                     | 434,680   | 25.8                            |
| 35–44                             | 63,290                                      | 238,470   | 26.5                            |
| 45–54                             | 36,906                                      | 173,420   | 21.3                            |
| ≥55                               | 24,157                                      | 123,350   | 19.6                            |
| <b>Race/ethnicity<sup>d</sup></b> |   |   |                                 |
| Black/African American            | 37,084                                      | 468,540   | 7.9                             |
| Hispanic/Latino <sup>e</sup>      | 43,334                                      | 312,820   | 13.9                            |
| Other                             | 11,649                                      | 131,180   | 8.9                             |
| White                             | 181,255                                     | 300,650   | 60.3                            |
| <b>Total</b>                      | <b>273,321</b>                              | <b>1,216,210</b>                                  | <b>22.5</b>                     |

**Table 4a. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by selected characteristics—United States (cont)**

|                                   | Persons prescribed PrEP <sup>a</sup><br>No. | Persons with PrEP indications <sup>b</sup><br>No. | PrEP coverage <sup>c</sup><br>% |
|-----------------------------------|---|---|---------------------------------|
|                                   | 2020 (COVID-19 pandemic)                    |   |                                 |
| <b>Sex at birth</b>               |   |   |                                 |
| Male                              | 276,810                                     | 989,200   | 28.0                            |
| Female                            | 23,667                                      | 227,010   | 10.4                            |
| <b>Age (yr)</b>                   |   |   |                                 |
| 16–24                             | 38,420                                      | 246,290   | 15.6                            |
| 25–34                             | 119,125                                     | 434,680   | 27.4                            |
| 35–44                             | 72,044                                      | 238,470   | 30.2                            |
| 45–54                             | 40,603                                      | 173,420   | 23.4                            |
| ≥55                               | 30,313                                      | 123,350   | 24.6                            |
| <b>Race/ethnicity<sup>d</sup></b> |   |   |                                 |
| Black/African American            | 42,568                                      | 468,540   | 9.1                             |
| Hispanic/Latino <sup>e</sup>      | 49,306                                      | 312,820   | 15.8                            |
| Other                             | 12,254                                      | 131,180   | 9.3                             |
| White                             | 196,478                                     | 300,650   | 65.4                            |
| <b>Total</b>                      | <b>300,606</b>                              | <b>1,216,210</b>                                  | <b>24.7</b>                     |
| <b>2021 (January–September)</b>   |   |   |                                 |
| <b>Sex at birth</b>               |   |   |                                 |
| Male                              | 293,764                                     | 989,200   | 29.7                            |
| Female                            | 22,994                                      | 227,010   | 10.1                            |
| <b>Age (yr)</b>                   |   |   |                                 |
| 16–24                             | 38,462                                      | 246,290   | 15.6                            |
| 25–34                             | 126,174                                     | 434,680   | 29.0                            |
| 35–44                             | 78,257                                      | 238,470   | 32.8                            |
| 45–54                             | 41,124                                      | 173,420   | 23.7                            |
| ≥55                               | 32,927                                      | 123,350   | 26.7                            |
| <b>Race/ethnicity<sup>d</sup></b> |   |   |                                 |
| Black/African American            | 44,351                                      | 468,540   | 9.5                             |
| Hispanic/Latino <sup>e</sup>      | 52,750                                      | 312,820   | 16.9                            |
| Other                             | 12,825                                      | 131,180   | 9.8                             |
| White                             | 207,180                                     | 300,650   | 68.9                            |
| <b>Total</b>                      | <b>317,106</b>                              | <b>1,216,210</b>                                  | <b>26.1</b>                     |

Abbreviations: PrEP, preexposure prophylaxis; FDA, Food and Drug Administration [footnotes only].

Note. Data for years 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on filling PrEP prescriptions in state/local jurisdictions.

<sup>a</sup> Estimated by using data from IQVIA pharmacy database reported through September 2021 based on an algorithm that included FDA-approved drugs for PrEP. Data for which values are unknown were not reported; thus, values may not sum to column total.

<sup>b</sup> Estimated by using 2017 and 2018 data from National HIV Surveillance System, National Health and Nutrition Examination Survey, and U.S. Census Bureau's American Community Survey. Data are rounded to the nearest 10. Data for which values are unknown were not reported; thus, values may not sum to column total. The data sources used to estimate the number of persons with indications for PrEP have different schedules of data availability. Consequently, the availability of a denominator may lag the availability of a numerator. In this table, 2017 denominators were used for 2017 PrEP coverage data; 2018 denominators were used for 2018–2021 PrEP coverage data.

<sup>c</sup> PrEP coverage, reported as a percentage, was calculated as the number who have been prescribed PrEP divided by the estimated number of persons who had indications for PrEP.

<sup>d</sup> Race/ethnicity data were only available for <40% of persons prescribed PrEP in each year. Number prescribed PrEP and PrEP coverage for race/ethnicity reported in the table were adjusted applying the distribution of records with known race/ethnicity to records with missing race/ethnicity.

<sup>e</sup> Hispanic/Latino persons can be of any race.

**Table 4b. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥ 16 years, by area of residence—United States and Puerto Rico**

| Area of residence    | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|----------------------|--------------------------------------|--|----------------------------|
|                      | No.                                  | No.  | %                          |
| <b>2017</b>          |                                      |  |                            |
| Alabama              | 1,017                                | 11,390                                     | 8.9                        |
| Alaska               | 126                                  | 2,370                                      | 5.3                        |
| Arizona              | 2,252                                | 26,820                                     | 8.4                        |
| Arkansas             | 418                                  | 4,840                                      | 8.6                        |
| California           | 26,160                               | 166,150                                    | 15.7                       |
| Colorado             | 2,392                                | 25,510                                     | 9.4                        |
| Connecticut          | 1,578                                | 10,970                                     | 14.4                       |
| Delaware             | 281                                  | 4,860                                      | 5.8                        |
| District of Columbia | 3,807                                | 13,710                                     | 27.8                       |
| Florida              | 8,449                                | 125,160                                    | 6.8                        |
| Georgia              | 4,483                                | 40,680                                     | 11.0                       |
| Hawaii               | 442                                  | 5,440                                      | 8.1                        |
| Idaho                | 265                                  | 3,860                                      | 6.9                        |
| Illinois             | 10,157                               | 54,620                                     | 18.6                       |
| Indiana              | 1,550                                | 21,640                                     | 7.2                        |
| Iowa                 | 770                                  | 4,280                                      | 18.0                       |
| Kansas               | 523                                  | 5,570                                      | 9.4                        |
| Kentucky             | 756                                  | 13,170                                     | 5.7                        |
| Louisiana            | 2,187                                | 15,490                                     | 14.1                       |
| Maine                | 312                                  | 3,270                                      | 9.5                        |
| Maryland             | 2,709                                | 28,150                                     | 9.6                        |
| Massachusetts        | 5,500                                | 25,110                                     | 21.9                       |
| Michigan             | 2,260                                | 28,520                                     | 7.9                        |
| Minnesota            | 2,510                                | 23,770                                     | 10.6                       |
| Mississippi          | 472                                  | 5,030                                      | 9.4                        |
| Missouri             | 1,890                                | 19,420                                     | 9.7                        |
| Montana              | 121                                  | 2,750                                      | 4.4                        |
| Nebraska             | 351                                  | 2,590                                      | 13.6                       |
| Nevada               | 1,054                                | 10,870                                     | 9.7                        |
| New Hampshire        | 321                                  | 3,110                                      | 10.3                       |
| New Jersey           | 3,299                                | 28,590                                     | 11.5                       |
| New Mexico           | 610                                  | 6,720                                      | 9.1                        |
| New York             | 22,571                               | 74,450                                     | 30.3                       |
| North Carolina       | 2,577                                | 33,110                                     | 7.8                        |
| North Dakota         | 109                                  | 1,230                                      | 8.9                        |
| Ohio                 | 3,500                                | 40,940                                     | 8.5                        |
| Oklahoma             | 532                                  | 11,030                                     | 4.8                        |
| Oregon               | 2,042                                | 20,720                                     | 9.9                        |
| Pennsylvania         | 6,110                                | 36,160                                     | 16.9                       |
| Puerto Rico          | 127                                  | 9,700                                      | 1.3                        |
| Rhode Island         | 632                                  | 4,360                                      | 14.5                       |
| South Carolina       | 712                                  | 10,390                                     | 6.9                        |
| South Dakota         | 54                                   | 1,000                                      | 5.4                        |
| Tennessee            | 1,719                                | 22,890                                     | 7.5                        |
| Texas                | 11,093                               | 123,400                                    | 9.0                        |
| Utah                 | 1,049                                | 6,900                                      | 15.2                       |
| Vermont              | 219                                  | 1,490                                      | 14.7                       |
| Virginia             | 2,052                                | 33,670                                     | 6.1                        |
| Washington           | 6,334                                | 35,600                                     | 17.8                       |
| West Virginia        | 235                                  | 3,660                                      | 6.4                        |
| Wisconsin            | 1,288                                | 14,230                                     | 9.1                        |
| Wyoming              | 49                                   | 1,410                                      | 3.5                        |

**Table 4b. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—United States and Puerto Rico (cont)**

| Area of residence    | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|----------------------|--------------------------------------|--|----------------------------|
|                      | No.                                  | No.  | %                          |
| <b>2018</b>          |                                      |  |                            |
| Alabama              | 1,543                                | 11,020                                     | 14.0                       |
| Alaska               | 198                                  | 1,780                                      | 11.1                       |
| Arizona              | 3,510                                | 25,780                                     | 13.6                       |
| Arkansas             | 590                                  | 5,130                                      | 11.5                       |
| California           | 36,033                               | 165,030                                    | 21.8                       |
| Colorado             | 3,434                                | 25,120                                     | 13.7                       |
| Connecticut          | 2,265                                | 9,560                                      | 23.7                       |
| Delaware             | 423                                  | 4,400                                      | 9.6                        |
| District of Columbia | 5,017                                | 12,950                                     | 38.7                       |
| Florida              | 14,711                               | 125,330                                    | 11.7                       |
| Georgia              | 6,332                                | 39,030                                     | 16.2                       |
| Hawaii               | 679                                  | 4,360                                      | 15.6                       |
| Idaho                | 364                                  | 4,790                                      | 7.6                        |
| Illinois             | 13,886                               | 55,860                                     | 24.9                       |
| Indiana              | 2,199                                | 22,170                                     | 9.9                        |
| Iowa                 | 1,152                                | 4,760                                      | 24.2                       |
| Kansas               | 726                                  | 5,060                                      | 14.3                       |
| Kentucky             | 1,215                                | 12,990                                     | 9.4                        |
| Louisiana            | 3,318                                | 15,920                                     | 20.8                       |
| Maine                | 495                                  | 3,950                                      | 12.5                       |
| Maryland             | 3,977                                | 27,300                                     | 14.6                       |
| Massachusetts        | 7,616                                | 24,900                                     | 30.6                       |
| Michigan             | 3,496                                | 29,570                                     | 11.8                       |
| Minnesota            | 3,482                                | 21,720                                     | 16.0                       |
| Mississippi          | 656                                  | 4,530                                      | 14.5                       |
| Missouri             | 2,737                                | 18,370                                     | 14.9                       |
| Montana              | 185                                  | 2,290                                      | 8.1                        |
| Nebraska             | 475                                  | 2,180                                      | 21.8                       |
| Nevada               | 1,489                                | 11,390                                     | 13.1                       |
| New Hampshire        | 500                                  | 3,020                                      | 16.6                       |
| New Jersey           | 4,619                                | 25,280                                     | 18.3                       |
| New Mexico           | 810                                  | 6,800                                      | 11.9                       |
| New York             | 30,105                               | 72,640                                     | 41.4                       |
| North Carolina       | 4,014                                | 32,490                                     | 12.4                       |
| North Dakota         | 161                                  | 1,520                                      | 10.6                       |
| Ohio                 | 4,785                                | 40,320                                     | 11.9                       |
| Oklahoma             | 813                                  | 11,030                                     | 7.4                        |
| Oregon               | 2,751                                | 19,750                                     | 13.9                       |
| Pennsylvania         | 8,553                                | 36,490                                     | 23.4                       |
| Puerto Rico          | 237                                  | 9,700                                      | 2.4                        |
| Rhode Island         | 866                                  | 3,880                                      | 22.3                       |
| South Carolina       | 1,251                                | 10,390                                     | 12.0                       |
| South Dakota         | 99                                   | 910  | 10.9                       |
| Tennessee            | 2,609                                | 22,460                                     | 11.6                       |
| Texas                | 17,731                               | 123,790                                    | 14.3                       |
| Utah                 | 1,489                                | 6,840                                      | 21.8                       |
| Vermont              | 281                                  | 1,060                                      | 26.5                       |
| Virginia             | 3,140                                | 31,430                                     | 10.0                       |
| Washington           | 8,236                                | 40,050                                     | 20.6                       |
| West Virginia        | 372                                  | 5,250                                      | 7.1                        |
| Wisconsin            | 1,856                                | 12,980                                     | 14.3                       |
| Wyoming              | 71                                   | 890  | 8.0                        |

**Table 4b. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—United States and Puerto Rico (cont)**

| Area of residence    | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|----------------------|--------------------------------------|--|----------------------------|
|                      | No.                                  | No.  | %                          |
| <b>2019</b>          |                                      |  |                            |
| Alabama              | 1,834                                | 11,020                                     | 16.6                       |
| Alaska               | 229                                  | 1,780                                      | 12.9                       |
| Arizona              | 4,550                                | 25,780                                     | 17.6                       |
| Arkansas             | 732                                  | 5,130                                      | 14.3                       |
| California           | 41,473                               | 165,030                                    | 25.1                       |
| Colorado             | 4,336                                | 25,120                                     | 17.3                       |
| Connecticut          | 2,656                                | 9,560                                      | 27.8                       |
| Delaware             | 473                                  | 4,400                                      | 10.8                       |
| District of Columbia | 5,817                                | 12,950                                     | 44.9                       |
| Florida              | 21,670                               | 125,330                                    | 17.3                       |
| Georgia              | 8,584                                | 39,030                                     | 22.0                       |
| Hawaii               | 812                                  | 4,360                                      | 18.6                       |
| Idaho                | 471                                  | 4,790                                      | 9.8                        |
| Illinois             | 16,572                               | 55,860                                     | 29.7                       |
| Indiana              | 2,962                                | 22,170                                     | 13.4                       |
| Iowa                 | 1,419                                | 4,760                                      | 29.8                       |
| Kansas               | 898                                  | 5,060                                      | 17.7                       |
| Kentucky             | 1,614                                | 12,990                                     | 12.4                       |
| Louisiana            | 3,920                                | 15,920                                     | 24.6                       |
| Maine                | 638                                  | 3,950                                      | 16.2                       |
| Maryland             | 4,928                                | 27,300                                     | 18.1                       |
| Massachusetts        | 9,265                                | 24,900                                     | 37.2                       |
| Michigan             | 4,361                                | 29,570                                     | 14.7                       |
| Minnesota            | 4,178                                | 21,720                                     | 19.2                       |
| Mississippi          | 940                                  | 4,530                                      | 20.8                       |
| Missouri             | 3,465                                | 18,370                                     | 18.9                       |
| Montana              | 267                                  | 2,290                                      | 11.7                       |
| Nebraska             | 617                                  | 2,180                                      | 28.3                       |
| Nevada               | 2,163                                | 11,390                                     | 19.0                       |
| New Hampshire        | 617                                  | 3,020                                      | 20.4                       |
| New Jersey           | 5,660                                | 25,280                                     | 22.4                       |
| New Mexico           | 1,074                                | 6,800                                      | 15.8                       |
| New York             | 35,001                               | 72,640                                     | 48.2                       |
| North Carolina       | 5,370                                | 32,490                                     | 16.5                       |
| North Dakota         | 193                                  | 1,520                                      | 12.7                       |
| Ohio                 | 6,105                                | 40,320                                     | 15.1                       |
| Oklahoma             | 1,146                                | 11,030                                     | 10.4                       |
| Oregon               | 3,372                                | 19,750                                     | 17.1                       |
| Pennsylvania         | 10,111                               | 36,490                                     | 27.7                       |
| Puerto Rico          | 330                                  | 9,700                                      | 3.4                        |
| Rhode Island         | 1,084                                | 3,880                                      | 27.9                       |
| South Carolina       | 1,726                                | 10,390                                     | 16.6                       |
| South Dakota         | 148                                  | 910  | 16.3                       |
| Tennessee            | 3,886                                | 22,460                                     | 17.3                       |
| Texas                | 22,989                               | 123,790                                    | 18.6                       |
| Utah                 | 2,018                                | 6,840                                      | 29.5                       |
| Vermont              | 337                                  | 1,060                                      | 31.8                       |
| Virginia             | 4,389                                | 31,430                                     | 14.0                       |
| Washington           | 9,823                                | 40,050                                     | 24.5                       |
| West Virginia        | 568                                  | 5,250                                      | 10.8                       |
| Wisconsin            | 2,462                                | 12,980                                     | 19.0                       |
| Wyoming              | 94                                   | 890  | 10.6                       |

**Table 4b. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—United States and Puerto Rico (cont)**

| Area of residence               | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|---------------------------------|--------------------------------------|--|----------------------------|
|                                 | No.                                  | No.  | %                          |
| <b>2020 (COVID-19 pandemic)</b> |                                      |  |                            |
| Alabama                         | 1,918                                | 11,020                                     | 17.4                       |
| Alaska                          | 244                                  | 1,780                                      | 13.7                       |
| Arizona                         | 5,051                                | 25,780                                     | 19.6                       |
| Arkansas                        | 870                                  | 5,130                                      | 17.0                       |
| California                      | 42,304                               | 165,030                                    | 25.6                       |
| Colorado                        | 4,765                                | 25,120                                     | 19.0                       |
| Connecticut                     | 2,477                                | 9,560                                      | 25.9                       |
| Delaware                        | 467                                  | 4,400                                      | 10.6                       |
| District of Columbia            | 5,953                                | 12,950                                     | 46.0                       |
| Florida                         | 34,581                               | 125,330                                    | 27.6                       |
| Georgia                         | 9,745                                | 39,030                                     | 25.0                       |
| Hawaii                          | 903                                  | 4,360                                      | 20.7                       |
| Idaho                           | 660                                  | 4,790                                      | 13.8                       |
| Illinois                        | 15,938                               | 55,860                                     | 28.5                       |
| Indiana                         | 3,198                                | 22,170                                     | 14.4                       |
| Iowa                            | 1,516                                | 4,760                                      | 31.8                       |
| Kansas                          | 944                                  | 5,060                                      | 18.7                       |
| Kentucky                        | 1,668                                | 12,990                                     | 12.8                       |
| Louisiana                       | 3,603                                | 15,920                                     | 22.6                       |
| Maine                           | 663                                  | 3,950                                      | 16.8                       |
| Maryland                        | 4,798                                | 27,300                                     | 17.6                       |
| Massachusetts                   | 9,372                                | 24,900                                     | 37.6                       |
| Michigan                        | 4,687                                | 29,570                                     | 15.9                       |
| Minnesota                       | 4,190                                | 21,720                                     | 19.3                       |
| Mississippi                     | 1,098                                | 4,530                                      | 24.2                       |
| Missouri                        | 3,570                                | 18,370                                     | 19.4                       |
| Montana                         | 299                                  | 2,290                                      | 13.1                       |
| Nebraska                        | 725                                  | 2,180                                      | 33.3                       |
| Nevada                          | 2,496                                | 11,390                                     | 21.9                       |
| New Hampshire                   | 649                                  | 3,020                                      | 21.5                       |
| New Jersey                      | 5,921                                | 25,280                                     | 23.4                       |
| New Mexico                      | 1,237                                | 6,800                                      | 18.2                       |
| New York                        | 34,090                               | 72,640                                     | 46.9                       |
| North Carolina                  | 6,160                                | 32,490                                     | 19.0                       |
| North Dakota                    | 216                                  | 1,520                                      | 14.2                       |
| Ohio                            | 6,833                                | 40,320                                     | 16.9                       |
| Oklahoma                        | 1,524                                | 11,030                                     | 13.8                       |
| Oregon                          | 3,819                                | 19,750                                     | 19.3                       |
| Pennsylvania                    | 10,608                               | 36,490                                     | 29.1                       |
| Puerto Rico                     | 368                                  | 9,700                                      | 3.8                        |
| Rhode Island                    | 1,153                                | 3,880                                      | 29.7                       |
| South Carolina                  | 2,120                                | 10,390                                     | 20.4                       |
| South Dakota                    | 144                                  | 910  | 15.8                       |
| Tennessee                       | 5,168                                | 22,460                                     | 23.0                       |
| Texas                           | 27,520                               | 123,790                                    | 22.2                       |
| Utah                            | 2,370                                | 6,840                                      | 34.6                       |
| Vermont                         | 321                                  | 1,060                                      | 30.3                       |
| Virginia                        | 5,131                                | 31,430                                     | 16.3                       |
| Washington                      | 10,025                               | 40,050                                     | 25.0                       |
| West Virginia                   | 522                                  | 5,250                                      | 9.9                        |
| Wisconsin                       | 2,521                                | 12,980                                     | 19.4                       |
| Wyoming                         | 99                                   | 890  | 11.1                       |

**Table 4b. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—United States and Puerto Rico (cont)**

| Area of residence               | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|---------------------------------|--------------------------------------|--|----------------------------|
|                                 | No.                                  | No.  | %                          |
| <b>2021 (January–September)</b> |                                      |  |                            |
| Alabama                         | 2,387                                | 11,020                                     | 21.7                       |
| Alaska                          | 255                                  | 1,780                                      | 14.3                       |
| Arizona                         | 5,690                                | 25,780                                     | 22.1                       |
| Arkansas                        | 1,096                                | 5,130                                      | 21.4                       |
| California                      | 43,451                               | 165,030                                    | 26.3                       |
| Colorado                        | 5,238                                | 25,120                                     | 20.9                       |
| Connecticut                     | 2,532                                | 9,560                                      | 26.5                       |
| Delaware                        | 547                                  | 4,400                                      | 12.4                       |
| District of Columbia            | 6,062                                | 12,950                                     | 46.8                       |
| Florida                         | 36,017                               | 125,330                                    | 28.7                       |
| Georgia                         | 10,743                               | 39,030                                     | 27.5                       |
| Hawaii                          | 966                                  | 4,360                                      | 22.2                       |
| Idaho                           | 725                                  | 4,790                                      | 15.1                       |
| Illinois                        | 16,143                               | 55,860                                     | 28.9                       |
| Indiana                         | 3,708                                | 22,170                                     | 16.7                       |
| Iowa                            | 1,611                                | 4,760                                      | 33.8                       |
| Kansas                          | 1,083                                | 5,060                                      | 21.4                       |
| Kentucky                        | 1,898                                | 12,990                                     | 14.6                       |
| Louisiana                       | 3,670                                | 15,920                                     | 23.1                       |
| Maine                           | 772                                  | 3,950                                      | 19.5                       |
| Maryland                        | 5,063                                | 27,300                                     | 18.5                       |
| Massachusetts                   | 8,641                                | 24,900                                     | 34.7                       |
| Michigan                        | 5,131                                | 29,570                                     | 17.4                       |
| Minnesota                       | 4,509                                | 21,720                                     | 20.8                       |
| Mississippi                     | 1,407                                | 4,530                                      | 31.1                       |
| Missouri                        | 3,659                                | 18,370                                     | 19.9                       |
| Montana                         | 344                                  | 2,290                                      | 15.0                       |
| Nebraska                        | 842                                  | 2,180                                      | 38.6                       |
| Nevada                          | 4,308                                | 11,390                                     | 37.8                       |
| New Hampshire                   | 690                                  | 3,020                                      | 22.8                       |
| New Jersey                      | 6,264                                | 25,280                                     | 24.8                       |
| New Mexico                      | 1,378                                | 6,800                                      | 20.3                       |
| New York                        | 33,948                               | 72,640                                     | 46.7                       |
| North Carolina                  | 6,854                                | 32,490                                     | 21.1                       |
| North Dakota                    | 235                                  | 1,520                                      | 15.5                       |
| Ohio                            | 7,427                                | 40,320                                     | 18.4                       |
| Oklahoma                        | 2,004                                | 11,030                                     | 18.2                       |
| Oregon                          | 3,991                                | 19,750                                     | 20.2                       |
| Pennsylvania                    | 11,458                               | 36,490                                     | 31.4                       |
| Puerto Rico                     | 485                                  | 9,700                                      | 5.0                        |
| Rhode Island                    | 1,329                                | 3,880                                      | 34.3                       |
| South Carolina                  | 2,549                                | 10,390                                     | 24.5                       |
| South Dakota                    | 179                                  | 910  | 19.7                       |
| Tennessee                       | 6,330                                | 22,460                                     | 28.2                       |
| Texas                           | 30,482                               | 123,790                                    | 24.6                       |
| Utah                            | 2,865                                | 6,840                                      | 41.9                       |
| Vermont                         | 415                                  | 1,060                                      | 39.2                       |
| Virginia                        | 5,438                                | 31,430                                     | 17.3                       |
| Washington                      | 9,898                                | 40,050                                     | 24.7                       |
| West Virginia                   | 612                                  | 5,250                                      | 11.7                       |
| Wisconsin                       | 2,398                                | 12,980                                     | 18.5                       |
| Wyoming                         | 117                                  | 890  | 13.1                       |

Abbreviations: PrEP, preexposure prophylaxis; FDA, Food and Drug Administration [footnotes only].

Note. Data for years 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on filling PrEP prescriptions in state/local jurisdictions.

<sup>a</sup> Estimated by using data from IQVIA pharmacy database reported through September 2021 based on an algorithm that included FDA-approved drugs for PrEP. Data for which values are unknown were not reported; thus, values may not sum to column total.

<sup>b</sup> Estimated by using 2017 and 2018 data from National HIV Surveillance System, National Health and Nutrition Examination Survey, and U.S. Census Bureau's American Community Survey. Data are rounded to the nearest 10. Data for which values are unknown were not reported; thus, values may not sum to column total. The data sources used to estimate the number of persons with indications for PrEP have different schedules of data availability. Consequently, the availability of a denominator may lag the availability of a numerator. In this table, 2017 denominators were used for 2017 PrEP coverage data; 2018 denominators were used for 2018–2021 PrEP coverage data.

<sup>c</sup> PrEP coverage, reported as a percentage, was calculated as the number who have been prescribed PrEP divided by the estimated number of persons who had indications for PrEP.

<sup>d</sup> Number of persons with PrEP indications in Puerto Rico is not available in 2017. Number of persons with PrEP indications in 2018 is used for 2017 denominator.

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions**

| Area of residence           | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|-----------------------------|--------------------------------------|--|----------------------------|
|                             | No.                                  | No.  | %                          |
| <b>2017</b>                 |                                      |  |                            |
| <b>Arizona</b>              |                                      |  |                            |
| Maricopa County             | 1,796                                | 23,540                                     | 7.6                        |
| <b>California</b>           |                                      |  |                            |
| Alameda County              | 1,412                                | 7,260                                      | 19.4                       |
| Los Angeles County          | 8,668                                | 64,180                                     | 13.5                       |
| Orange County               | 1,052                                | 9,990                                      | 10.5                       |
| Riverside County            | 979                                  | 11,040                                     | 8.9                        |
| Sacramento County           | 579                                  | 5,460                                      | 10.6                       |
| San Bernardino County       | 375                                  | 12,450                                     | 3.0                        |
| San Diego County            | 2,348                                | 19,420                                     | 12.1                       |
| San Francisco County        | 6,293                                | 11,330                                     | 55.5                       |
| <b>District of Columbia</b> | 3,807                                | 13,710                                     | 27.8                       |
| <b>Florida</b>              |                                      |  |                            |
| Broward County              | 1,938                                | 20,030                                     | 9.7                        |
| Duval County                | 249                                  | 9,250                                      | 2.7                        |
| Hillsborough County         | 602                                  | 12,670                                     | 4.8                        |
| Miami-Dade County           | 1,937                                | 22,190                                     | 8.7                        |
| Orange County               | 1,003                                | 16,500                                     | 6.1                        |
| Palm Beach County           | 371                                  | 7,620                                      | 4.9                        |
| Pinellas County             | 472                                  | 10,470                                     | 4.5                        |
| <b>Georgia</b>              |                                      |  |                            |
| Cobb County                 | 269                                  | 3,570                                      | 7.5                        |
| DeKalb County               | 872                                  | 6,370                                      | 13.7                       |
| Fulton County               | 1,915                                | 12,060                                     | 15.9                       |
| Gwinnett County             | 312                                  | 3,390                                      | 9.2                        |
| <b>Illinois</b>             |                                      |  |                            |
| Cook County                 | 8,519                                | 38,270                                     | 22.3                       |
| <b>Indiana</b>              |                                      |  |                            |
| Marion County               | 682                                  | 8,490                                      | 8.0                        |
| <b>Louisiana</b>            |                                      |  |                            |
| East Baton Rouge Parish     | 222                                  | 1,290                                      | 17.2                       |
| Orleans Parish              | 856                                  | 5,230                                      | 16.4                       |
| <b>Maryland</b>             |                                      |  |                            |
| Baltimore City              | 464                                  | 6,000                                      | 7.7                        |
| Montgomery County           | 522                                  | 5,790                                      | 9.0                        |
| Prince George's County      | 453                                  | 3,830                                      | 11.8                       |
| <b>Massachusetts</b>        |                                      |  |                            |
| Suffolk County              | 1,671                                | 7,050                                      | 23.7                       |
| <b>Michigan</b>             |                                      |  |                            |
| Wayne County                | 681                                  | 9,470                                      | 7.2                        |
| <b>Nevada</b>               |                                      |  |                            |
| Clark County                | 896                                  | 8,790                                      | 10.2                       |
| <b>New Jersey</b>           |                                      |  |                            |
| Essex County                | 393                                  | 5,190                                      | 7.6                        |
| Hudson County               | 633                                  | 4,720                                      | 13.4                       |

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence               | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|---------------------------------|--------------------------------------|--|----------------------------|
|                                 | No.                                  | No.  | %                          |
| <b>2017 (cont)</b>              |                                      |  |                            |
| <b>New York</b>                 |                                      |  |                            |
| Bronx County                    | 1,297                                | 6,690                                      | 19.4                       |
| Kings County                    | 4,746                                | 15,300                                     | 31.0                       |
| New York County                 | 9,473                                | 14,790                                     | 64.1                       |
| Queens County                   | 2,518                                | 8,740                                      | 28.8                       |
| <b>North Carolina</b>           |                                      |  |                            |
| Mecklenburg County              | 649                                  | 9,430                                      | 6.9                        |
| <b>Ohio</b>                     |                                      |  |                            |
| Cuyahoga County                 | 596                                  | 8,200                                      | 7.3                        |
| Franklin County                 | 1,315                                | 13,660                                     | 9.6                        |
| Hamilton County                 | 263                                  | 6,430                                      | 4.1                        |
| <b>Pennsylvania</b>             |                                      |  |                            |
| Philadelphia County             | 2,369                                | 8,550                                      | 27.7                       |
| <b>Puerto Rico</b>              |                                      |  |                            |
| San Juan Municipio <sup>d</sup> | — <sup>e</sup>                       | 2,190                                      | n/a                        |
| <b>Tennessee</b>                |                                      |  |                            |
| Shelby County                   | 304                                  | 7,590                                      | 4.0                        |
| <b>Texas</b>                    |                                      |  |                            |
| Bexar County                    | 665                                  | 13,010                                     | 5.1                        |
| Dallas County                   | 2,123                                | 22,000                                     | 9.7                        |
| Harris County                   | 2,529                                | 39,780                                     | 6.4                        |
| Tarrant County                  | 658                                  | 11,550                                     | 5.7                        |
| Travis County                   | 2,200                                | 10,810                                     | 20.4                       |
| <b>Washington</b>               |                                      |  |                            |
| King County                     | 4,571                                | 13,690                                     | 33.4                       |

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence           | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|-----------------------------|--------------------------------------|--|----------------------------|
|                             | No.                                  | No.  | %                          |
| <b>2018</b>                 |                                      |  |                            |
| <b>Arizona</b>              |                                      |  |                            |
| Maricopa County             | 2,813                                | 22,720                                     | 12.4                       |
| <b>California</b>           |                                      |  |                            |
| Alameda County              | 1,858                                | 8,930                                      | 20.8                       |
| Los Angeles County          | 12,111                               | 67,450                                     | 18.0                       |
| Orange County               | 1,607                                | 10,510                                     | 15.3                       |
| Riverside County            | 1,410                                | 11,080                                     | 12.7                       |
| Sacramento County           | 786                                  | 5,920                                      | 13.3                       |
| San Bernardino County       | 605                                  | 11,890                                     | 5.1                        |
| San Diego County            | 3,364                                | 14,500                                     | 23.2                       |
| San Francisco County        | 7,862                                | 10,840                                     | 72.5                       |
| <b>District of Columbia</b> | 5,017                                | 12,950                                     | 38.7                       |
| <b>Florida</b>              |                                      |  |                            |
| Broward County              | 2,859                                | 20,470                                     | 14.0                       |
| Duval County                | 373                                  | 8,970                                      | 4.2                        |
| Hillsborough County         | 1,087                                | 12,910                                     | 8.4                        |
| Miami-Dade County           | 3,821                                | 21,760                                     | 17.6                       |
| Orange County               | 1,864                                | 15,310                                     | 12.2                       |
| Palm Beach County           | 578                                  | 9,170                                      | 6.3                        |
| Pinellas County             | 808                                  | 9,530                                      | 8.5                        |
| <b>Georgia</b>              |                                      |  |                            |
| Cobb County                 | 384                                  | 3,070                                      | 12.5                       |
| DeKalb County               | 1,190                                | 6,290                                      | 18.9                       |
| Fulton County               | 2,578                                | 13,120                                     | 19.6                       |
| Gwinnett County             | 457                                  | 3,240                                      | 14.1                       |
| <b>Illinois</b>             |                                      |  |                            |
| Cook County                 | 11,440                               | 39,060                                     | 29.3                       |
| <b>Indiana</b>              |                                      |  |                            |
| Marion County               | 864                                  | 9,150                                      | 9.4                        |
| <b>Louisiana</b>            |                                      |  |                            |
| East Baton Rouge Parish     | 439                                  | 1,810                                      | 24.3                       |
| Orleans Parish              | 1,198                                | 4,590                                      | 26.1                       |
| <b>Maryland</b>             |                                      |  |                            |
| Baltimore City              | 653                                  | 6,330                                      | 10.3                       |
| Montgomery County           | 766                                  | 5,770                                      | 13.3                       |
| Prince George's County      | 667                                  | 4,040                                      | 16.5                       |
| <b>Massachusetts</b>        |                                      |  |                            |
| Suffolk County              | 2,218                                | 6,520                                      | 34.0                       |
| <b>Michigan</b>             |                                      |  |                            |
| Wayne County                | 1,022                                | 9,270                                      | 11.0                       |
| <b>Nevada</b>               |                                      |  |                            |
| Clark County                | 1,250                                | 11,670                                     | 10.7                       |
| <b>New Jersey</b>           |                                      |  |                            |
| Essex County                | 578                                  | 4,090                                      | 14.1                       |
| Hudson County               | 866                                  | 4,650                                      | 18.6                       |

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence     | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|-----------------------|--------------------------------------|--|----------------------------|
|                       | No.                                  | No.  | %                          |
| <b>2018 (cont)</b>    |                                      |  |                            |
| <b>New York</b>       |                                      |  |                            |
| Bronx County          | 2,009                                | 5,570                                      | 36.1                       |
| Kings County          | 6,324                                | 15,650                                     | 40.4                       |
| New York County       | 12,162                               | 15,540                                     | 78.3                       |
| Queens County         | 3,276                                | 9,230                                      | 35.5                       |
| <b>North Carolina</b> |                                      |  |                            |
| Mecklenburg County    | 959                                  | 8,450                                      | 11.3                       |
| <b>Ohio</b>           |                                      |  |                            |
| Cuyahoga County       | 810                                  | 7,520                                      | 10.8                       |
| Franklin County       | 1,640                                | 11,620                                     | 14.1                       |
| Hamilton County       | 438                                  | 7,720                                      | 5.7                        |
| <b>Pennsylvania</b>   |                                      |  |                            |
| Philadelphia County   | 3,235                                | 9,840                                      | 32.9                       |
| <b>Puerto Rico</b>    |                                      |  |                            |
| San Juan Municipio    | — <sup>e</sup>                       | 2,190                                      | n/a                        |
| <b>Tennessee</b>      |                                      |  |                            |
| Shelby County         | 460                                  | 6,450                                      | 7.1                        |
| <b>Texas</b>          |                                      |  |                            |
| Bexar County          | 1,131                                | 11,920                                     | 9.5                        |
| Dallas County         | 3,241                                | 28,670                                     | 11.3                       |
| Harris County         | 3,949                                | 40,670                                     | 9.7                        |
| Tarrant County        | 1,173                                | 11,340                                     | 10.3                       |
| Travis County         | 3,375                                | 11,590                                     | 29.1                       |
| <b>Washington</b>     |                                      |  |                            |
| King County           | 5,786                                | 17,890                                     | 32.3                       |

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence           | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|-----------------------------|--------------------------------------|--|----------------------------|
|                             | No.                                  | No.  | %                          |
| <b>2019</b>                 |                                      |  |                            |
| <b>Arizona</b>              |                                      |  |                            |
| Maricopa County             | 3,520                                | 22,720                                     | 15.5                       |
| <b>California</b>           |                                      |  |                            |
| Alameda County              | 2,163                                | 8,930                                      | 24.2                       |
| Los Angeles County          | 13,681                               | 67,450                                     | 20.3                       |
| Orange County               | 2,028                                | 10,510                                     | 19.3                       |
| Riverside County            | 1,765                                | 11,080                                     | 15.9                       |
| Sacramento County           | 947                                  | 5,920                                      | 16.0                       |
| San Bernardino County       | 751                                  | 11,890                                     | 6.3                        |
| San Diego County            | 3,700                                | 14,500                                     | 25.5                       |
| San Francisco County        | 8,785                                | 10,840                                     | 81.0                       |
| <b>District of Columbia</b> | 5,817                                | 12,950                                     | 44.9                       |
| <b>Florida</b>              |                                      |  |                            |
| Broward County              | 3,766                                | 20,470                                     | 18.4                       |
| Duval County                | 503                                  | 8,970                                      | 5.6                        |
| Hillsborough County         | 1,374                                | 12,910                                     | 10.6                       |
| Miami-Dade County           | 6,498                                | 21,760                                     | 29.9                       |
| Orange County               | 2,764                                | 15,310                                     | 18.1                       |
| Palm Beach County           | 874                                  | 9,170                                      | 9.5                        |
| Pinellas County             | 1,119                                | 9,530                                      | 11.7                       |
| <b>Georgia</b>              |                                      |  |                            |
| Cobb County                 | 556                                  | 3,070                                      | 18.1                       |
| DeKalb County               | 1,548                                | 6,290                                      | 24.6                       |
| Fulton County               | 3,270                                | 13,120                                     | 24.9                       |
| Gwinnett County             | 675                                  | 3,240                                      | 20.8                       |
| <b>Illinois</b>             |                                      |  |                            |
| Cook County                 | 13,544                               | 39,060                                     | 34.7                       |
| <b>Indiana</b>              |                                      |  |                            |
| Marion County               | 1,123                                | 9,150                                      | 12.3                       |
| <b>Louisiana</b>            |                                      |  |                            |
| East Baton Rouge Parish     | 489                                  | 1,810                                      | 27.0                       |
| Orleans Parish              | 1,509                                | 4,590                                      | 32.9                       |
| <b>Maryland</b>             |                                      |  |                            |
| Baltimore City              | 897                                  | 6,330                                      | 14.2                       |
| Montgomery County           | 892                                  | 5,770                                      | 15.5                       |
| Prince George's County      | 813                                  | 4,040                                      | 20.1                       |
| <b>Massachusetts</b>        |                                      |  |                            |
| Suffolk County              | 2,749                                | 6,520                                      | 42.2                       |
| <b>Michigan</b>             |                                      |  |                            |
| Wayne County                | 1,201                                | 9,270                                      | 13.0                       |
| <b>Nevada</b>               |                                      |  |                            |
| Clark County                | 1,849                                | 11,670                                     | 15.8                       |
| <b>New Jersey</b>           |                                      |  |                            |
| Essex County                | 673                                  | 4,090                                      | 16.5                       |
| Hudson County               | 1,046                                | 4,650                                      | 22.5                       |

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence     | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|-----------------------|--------------------------------------|--|----------------------------|
|                       | No.                                  | No.  | %                          |
| <b>2019 (cont)</b>    |                                      |  |                            |
| <b>New York</b>       |                                      |  |                            |
| Bronx County          | 2,214                                | 5,570                                      | 39.7                       |
| Kings County          | 7,487                                | 15,650                                     | 47.8                       |
| New York County       | 13,953                               | 15,540                                     | 89.8                       |
| Queens County         | 3,819                                | 9,230                                      | 41.4                       |
| <b>North Carolina</b> |                                      |  |                            |
| Mecklenburg County    | 1,340                                | 8,450                                      | 15.9                       |
| <b>Ohio</b>           |                                      |  |                            |
| Cuyahoga County       | 949                                  | 7,520                                      | 12.6                       |
| Franklin County       | 2,039                                | 11,620                                     | 17.5                       |
| Hamilton County       | 559                                  | 7,720                                      | 7.2                        |
| <b>Pennsylvania</b>   |                                      |  |                            |
| Philadelphia County   | 3,647                                | 9,840                                      | 37.1                       |
| <b>Puerto Rico</b>    |                                      |  |                            |
| San Juan Municipio    | — <sup>e</sup>                       | 2,190                                      | n/a                        |
| <b>Tennessee</b>      |                                      |  |                            |
| Shelby County         | 632                                  | 6,450                                      | 9.8                        |
| <b>Texas</b>          |                                      |  |                            |
| Bexar County          | 1,497                                | 11,920                                     | 12.6                       |
| Dallas County         | 4,062                                | 28,670                                     | 14.2                       |
| Harris County         | 4,901                                | 40,670                                     | 12.1                       |
| Tarrant County        | 1,452                                | 11,340                                     | 12.8                       |
| Travis County         | 4,543                                | 11,590                                     | 39.2                       |
| <b>Washington</b>     |                                      |  |                            |
| King County           | 6,878                                | 17,890                                     | 38.4                       |

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence               | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|---------------------------------|--------------------------------------|--|----------------------------|
|                                 | No.                                  | No.  | %                          |
| <b>2020 (COVID-19 pandemic)</b> |                                      |  |                            |
| <b>Arizona</b>                  |                                      |  |                            |
| Maricopa County                 | 3,888                                | 22,720                                     | 17.1                       |
| <b>California</b>               |                                      |  |                            |
| Alameda County                  | 2,029                                | 8,930                                      | 22.7                       |
| Los Angeles County              | 14,796                               | 67,450                                     | 21.9                       |
| Orange County                   | 2,218                                | 10,510                                     | 21.1                       |
| Riverside County                | 1,913                                | 11,080                                     | 17.3                       |
| Sacramento County               | 967                                  | 5,920                                      | 16.3                       |
| San Bernardino County           | 816                                  | 11,890                                     | 6.9                        |
| San Diego County                | 3,767                                | 14,500                                     | 26.0                       |
| San Francisco County            | 8,085                                | 10,840                                     | 74.6                       |
| <b>District of Columbia</b>     | 5,953                                | 12,950                                     | 46.0                       |
| <b>Florida</b>                  |                                      |  |                            |
| Broward County                  | 6,711                                | 20,470                                     | 32.8                       |
| Duval County                    | 742                                  | 8,970                                      | 8.3                        |
| Hillsborough County             | 1,516                                | 12,910                                     | 11.7                       |
| Miami-Dade County               | 10,284                               | 21,760                                     | 47.3                       |
| Orange County                   | 3,870                                | 15,310                                     | 25.3                       |
| Palm Beach County               | 3,015                                | 9,170                                      | 32.9                       |
| Pinellas County                 | 1,214                                | 9,530                                      | 12.7                       |
| <b>Georgia</b>                  |                                      |  |                            |
| Cobb County                     | 643                                  | 3,070                                      | 20.9                       |
| DeKalb County                   | 1,712                                | 6,290                                      | 27.2                       |
| Fulton County                   | 3,573                                | 13,120                                     | 27.2                       |
| Gwinnett County                 | 787                                  | 3,240                                      | 24.3                       |
| <b>Illinois</b>                 |                                      |  |                            |
| Cook County                     | 12,861                               | 39,060                                     | 32.9                       |
| <b>Indiana</b>                  |                                      |  |                            |
| Marion County                   | 1,199                                | 9,150                                      | 13.1                       |
| <b>Louisiana</b>                |                                      |  |                            |
| East Baton Rouge Parish         | 528                                  | 1,810                                      | 29.2                       |
| Orleans Parish                  | 1,341                                | 4,590                                      | 29.2                       |
| <b>Maryland</b>                 |                                      |  |                            |
| Baltimore City                  | 854                                  | 6,330                                      | 13.5                       |
| Montgomery County               | 902                                  | 5,770                                      | 15.6                       |
| Prince George's County          | 823                                  | 4,040                                      | 20.4                       |
| <b>Massachusetts</b>            |                                      |  |                            |
| Suffolk County                  | 2,804                                | 6,520                                      | 43.0                       |
| <b>Michigan</b>                 |                                      |  |                            |
| Wayne County                    | 1,225                                | 9,270                                      | 13.2                       |
| <b>Nevada</b>                   |                                      |  |                            |
| Clark County                    | 2,095                                | 11,670                                     | 18.0                       |
| <b>New Jersey</b>               |                                      |  |                            |
| Essex County                    | 706                                  | 4,090                                      | 17.3                       |
| Hudson County                   | 1,050                                | 4,650                                      | 22.6                       |

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence                      | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|--|--------------------------------------|--|----------------------------|
|  | No.                                  | No.  | %                          |
| <b>2020 (COVID-19 pandemic) (cont)</b> |                                      |  |                            |
| <b>New York</b>                        |                                      |  |                            |
| Bronx County                           | 2,043                                | 5,570                                      | 36.7                       |
| Kings County                           | 7,411                                | 15,650                                     | 47.4                       |
| New York County                        | 13,669                               | 15,540                                     | 88.0                       |
| Queens County                          | 3,787                                | 9,230                                      | 41.0                       |
| <b>North Carolina</b>                  |                                      |  |                            |
| Mecklenburg County                     | 1,571                                | 8,450                                      | 18.6                       |
| <b>Ohio</b>                            |                                      |  |                            |
| Cuyahoga County                        | 961                                  | 7,520                                      | 12.8                       |
| Franklin County                        | 2,317                                | 11,620                                     | 19.9                       |
| Hamilton County                        | 630                                  | 7,720                                      | 8.2                        |
| <b>Pennsylvania</b>                    |                                      |  |                            |
| Philadelphia County                    | 3,489                                | 9,840                                      | 35.5                       |
| <b>Puerto Rico</b>                     |                                      |  |                            |
| San Juan Municipio                     | — <sup>e</sup>                       | 2,190                                      | n/a                        |
| <b>Tennessee</b>                       |                                      |  |                            |
| Shelby County                          | 810                                  | 6,450                                      | 12.6                       |
| <b>Texas</b>                           |                                      |  |                            |
| Bexar County                           | 1,767                                | 11,920                                     | 14.8                       |
| Dallas County                          | 5,172                                | 28,670                                     | 18.0                       |
| Harris County                          | 5,966                                | 40,670                                     | 14.7                       |
| Tarrant County                         | 1,650                                | 11,340                                     | 14.6                       |
| Travis County                          | 5,076                                | 11,590                                     | 43.8                       |
| <b>Washington</b>                      |                                      |  |                            |
| King County                            | 6,971                                | 17,890                                     | 39.0                       |

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence               | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|---------------------------------|--------------------------------------|--|----------------------------|
|                                 | No.                                  | No.  | %                          |
| <b>2021 (January–September)</b> |                                      |  |                            |
| <b>Arizona</b>                  |                                      |  |                            |
| Maricopa County                 | 4,373                                | 22,720                                     | 19.2                       |
| <b>California</b>               |                                      |  |                            |
| Alameda County                  | 1,895                                | 8,930                                      | 21.2                       |
| Los Angeles County              | 15,970                               | 67,450                                     | 23.7                       |
| Orange County                   | 2,476                                | 10,510                                     | 23.6                       |
| Riverside County                | 2,138                                | 11,080                                     | 19.3                       |
| Sacramento County               | 933                                  | 5,920                                      | 15.8                       |
| San Bernardino County           | 999                                  | 11,890                                     | 8.4                        |
| San Diego County                | 3,790                                | 14,500                                     | 26.1                       |
| San Francisco County            | 7,269                                | 10,840                                     | 67.1                       |
| <b>District of Columbia</b>     | 6,062                                | 12,950                                     | 46.8                       |
| <b>Florida</b>                  |                                      |  |                            |
| Broward County                  | 6,982                                | 20,470                                     | 34.1                       |
| Duval County                    | 767                                  | 8,970                                      | 8.6                        |
| Hillsborough County             | 1,689                                | 12,910                                     | 13.1                       |
| Miami-Dade County               | 9,869                                | 21,760                                     | 45.4                       |
| Orange County                   | 4,101                                | 15,310                                     | 26.8                       |
| Palm Beach County               | 2,361                                | 9,170                                      | 25.7                       |
| Pinellas County                 | 1,411                                | 9,530                                      | 14.8                       |
| <b>Georgia</b>                  |                                      |  |                            |
| Cobb County                     | 698                                  | 3,070                                      | 22.7                       |
| DeKalb County                   | 1,840                                | 6,290                                      | 29.3                       |
| Fulton County                   | 3,825                                | 13,120                                     | 29.2                       |
| Gwinnett County                 | 866                                  | 3,240                                      | 26.7                       |
| <b>Illinois</b>                 |                                      |  |                            |
| Cook County                     | 12,971                               | 39,060                                     | 33.2                       |
| <b>Indiana</b>                  |                                      |  |                            |
| Marion County                   | 1,410                                | 9,150                                      | 15.4                       |
| <b>Louisiana</b>                |                                      |  |                            |
| East Baton Rouge Parish         | 520                                  | 1,810                                      | 28.7                       |
| Orleans Parish                  | 1,345                                | 4,590                                      | 29.3                       |
| <b>Maryland</b>                 |                                      |  |                            |
| Baltimore City                  | 866                                  | 6,330                                      | 13.7                       |
| Montgomery County               | 988                                  | 5,770                                      | 17.1                       |
| Prince George's County          | 882                                  | 4,040                                      | 21.8                       |
| <b>Massachusetts</b>            |                                      |  |                            |
| Suffolk County                  | 2,385                                | 6,520                                      | 36.6                       |
| <b>Michigan</b>                 |                                      |  |                            |
| Wayne County                    | 1,337                                | 9,270                                      | 14.4                       |
| <b>Nevada</b>                   |                                      |  |                            |
| Clark County                    | 3,816                                | 11,670                                     | 32.7                       |
| <b>New Jersey</b>               |                                      |  |                            |
| Essex County                    | 724                                  | 4,090                                      | 17.7                       |
| Hudson County                   | 1,100                                | 4,650                                      | 23.7                       |

**Table 4c. Number of persons prescribed PrEP, number of persons with PrEP indications, and PrEP coverage during January 2017 through September 2021, among persons aged ≥16 years, by area of residence—Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Area of residence                      | Persons prescribed PrEP <sup>a</sup> | Persons with PrEP indications <sup>b</sup> | PrEP coverage <sup>c</sup> |
|--|--------------------------------------|--|----------------------------|
|  | No.                                  | No.  | %                          |
| <b>2021 (January–September) (cont)</b> |                                      |  |                            |
| <b>New York</b>                        |                                      |  |                            |
| Bronx County                           | 1,820                                | 5,570                                      | 32.7                       |
| Kings County                           | 7,649                                | 15,650                                     | 48.9                       |
| New York County                        | 13,880                               | 15,540                                     | 89.3                       |
| Queens County                          | 3,695                                | 9,230                                      | 40.0                       |
| <b>North Carolina</b>                  |                                      |  |                            |
| Mecklenburg County                     | 1,712                                | 8,450                                      | 20.3                       |
| <b>Ohio</b>                            |                                      |  |                            |
| Cuyahoga County                        | 1,091                                | 7,520                                      | 14.5                       |
| Franklin County                        | 2,448                                | 11,620                                     | 21.1                       |
| Hamilton County                        | 698                                  | 7,720                                      | 9.0                        |
| <b>Pennsylvania</b>                    |                                      |  |                            |
| Philadelphia County                    | 3,524                                | 9,840                                      | 35.8                       |
| <b>Puerto Rico</b>                     |                                      |  |                            |
| San Juan Municipio                     | 50                                   | 2,190                                      | 2.3                        |
| <b>Tennessee</b>                       |                                      |  |                            |
| Shelby County                          | 837                                  | 6,450                                      | 13.0                       |
| <b>Texas</b>                           |                                      |  |                            |
| Bexar County                           | 2,042                                | 11,920                                     | 17.1                       |
| Dallas County                          | 5,803                                | 28,670                                     | 20.2                       |
| Harris County                          | 6,607                                | 40,670                                     | 16.2                       |
| Tarrant County                         | 1,875                                | 11,340                                     | 16.5                       |
| Travis County                          | 5,204                                | 11,590                                     | 44.9                       |
| <b>Washington</b>                      |                                      |  |                            |
| King County                            | 6,775                                | 17,890                                     | 37.9                       |

Abbreviations: PrEP, preexposure prophylaxis; n/a, not available; FDA, Food and Drug Administration [footnotes only].

Note. Data for years 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on filling PrEP prescriptions in state/local jurisdictions.

<sup>a</sup> Estimated by using data from IQVIA pharmacy database reported through September 2021 based on an algorithm that included FDA-approved drugs for PrEP. Data for which values are unknown were not reported; thus, values may not sum to column total.

<sup>b</sup> Estimated by using 2017 and 2018 data from National HIV Surveillance System, National Health and Nutrition Examination Survey, and U.S. Census Bureau's American Community Survey. Data are rounded to the nearest 10. Data for which values are unknown were not reported; thus, values may not sum to column total. The data sources used to estimate the number of persons with indications for PrEP have different schedules of data availability. Consequently, the availability of a denominator may lag the availability of a numerator. In this table, 2017 denominators were used for 2017 PrEP coverage data; 2018 denominators were used for 2018–2021 PrEP coverage data.

<sup>c</sup> PrEP coverage, reported as a percentage, was calculated as the number who have been prescribed PrEP divided by the estimated number of persons who had indications for PrEP.

<sup>d</sup> Number of persons with PrEP indications in San Jan Municipio is not available in 2017. Number of persons with PrEP indications in 2018 is used for 2017 denominator.

<sup>e</sup> Data value <40 was not reported due to unreliability.

**Table 5. Ending the HIV Epidemic Phase I jurisdictions**

| <b>Counties</b>               | <b>Territories</b>              | <b>States</b>         |
|-------------------------------|---------------------------------|-----------------------|
| <b>Arizona</b>                | <b>Puerto Rico<sup>a</sup></b>  | Alabama               |
| Maricopa County               | San Juan Municipio <sup>a</sup> | Arkansas              |
| <b>California</b>             |                                 | Kentucky <sup>a</sup> |
| Alameda County                |                                 | Mississippi           |
| Los Angeles County            |                                 | Missouri              |
| Orange County                 |                                 | Oklahoma              |
| Riverside County              |                                 | South Carolina        |
| Sacramento County             |                                 |                       |
| San Bernardino County         |                                 |                       |
| San Diego County              |                                 |                       |
| San Francisco County          |                                 |                       |
| <b>District of Columbia</b>   |                                 |                       |
| <b>Florida</b>                |                                 |                       |
| Broward County                |                                 |                       |
| Duval County                  |                                 |                       |
| Hillsborough County           |                                 |                       |
| Miami-Dade County             |                                 |                       |
| Orange County                 |                                 |                       |
| Palm Beach County             |                                 |                       |
| Pinellas County               |                                 |                       |
| <b>Georgia</b>                |                                 |                       |
| Cobb County                   |                                 |                       |
| DeKalb County                 |                                 |                       |
| Fulton County                 |                                 |                       |
| Gwinnett County               |                                 |                       |
| <b>Illinois</b>               |                                 |                       |
| Cook County                   |                                 |                       |
| <b>Indiana</b>                |                                 |                       |
| Marion County                 |                                 |                       |
| <b>Louisiana</b>              |                                 |                       |
| East Baton Rouge Parish       |                                 |                       |
| Orleans Parish                |                                 |                       |
| <b>Maryland</b>               |                                 |                       |
| Baltimore City                |                                 |                       |
| Montgomery County             |                                 |                       |
| Prince George's County        |                                 |                       |
| <b>Massachusetts</b>          |                                 |                       |
| Suffolk County                |                                 |                       |
| <b>Michigan</b>               |                                 |                       |
| Wayne County                  |                                 |                       |
| <b>Nevada</b>                 |                                 |                       |
| Clark County                  |                                 |                       |
| <b>New Jersey<sup>b</sup></b> |                                 |                       |
| Essex County <sup>b</sup>     |                                 |                       |
| Hudson County <sup>b</sup>    |                                 |                       |
| <b>New York</b>               |                                 |                       |
| Bronx County                  |                                 |                       |
| Kings County                  |                                 |                       |
| New York County               |                                 |                       |
| Queens County                 |                                 |                       |

**Table 5. Ending the HIV Epidemic Phase I jurisdictions (cont)**

| Counties                        | Territories | States |
|---------------------------------|-------------|--------|
|                                 |             |        |
| <b>North Carolina</b>           |             |        |
| Mecklenburg County              |             |        |
| <b>Ohio</b>                     |             |        |
| Cuyahoga County                 |             |        |
| Franklin County                 |             |        |
| Hamilton County                 |             |        |
| <b>Pennsylvania<sup>a</sup></b> |             |        |
| Philadelphia County             |             |        |
| <b>Tennessee</b>                |             |        |
| Shelby County                   |             |        |
| <b>Texas</b>                    |             |        |
| Bexar County                    |             |        |
| Dallas County                   |             |        |
| Harris County                   |             |        |
| Tarrant County                  |             |        |
| Travis County                   |             |        |
| <b>Washington</b>               |             |        |
| King County                     |             |        |

Abbreviations: CDC, the Centers for Disease Control and Prevention [footnotes only]; PrEP, preexposure prophylaxis [footnotes only]; CD4, CD4+ T-lymphocyte count (cells/µL) or percentage [footnotes only].

Note. For more information on the Ending the HIV Epidemic in the U.S. initiative, see <https://www.hiv.gov/federal-response/ending-the-hiv-epidemic/overview>.

<sup>a</sup> Linkage to care and viral suppression data are not provided for states and associated jurisdictions that have incomplete reporting of laboratory data to CDC: Kentucky, Pennsylvania (excluding Philadelphia), Puerto Rico, and Vermont.

<sup>b</sup> Linkage to care and viral suppression data are not provided for states and associated jurisdictions that do not have laws requiring reporting of all CD4 and viral load laboratory results: New Jersey.