

# **Delivery of HIV Partner Services in the United States and Dependent Areas**

**2020**



**Centers for Disease Control and Prevention**

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

Division of HIV Prevention

**Translation and Evaluation Branch**

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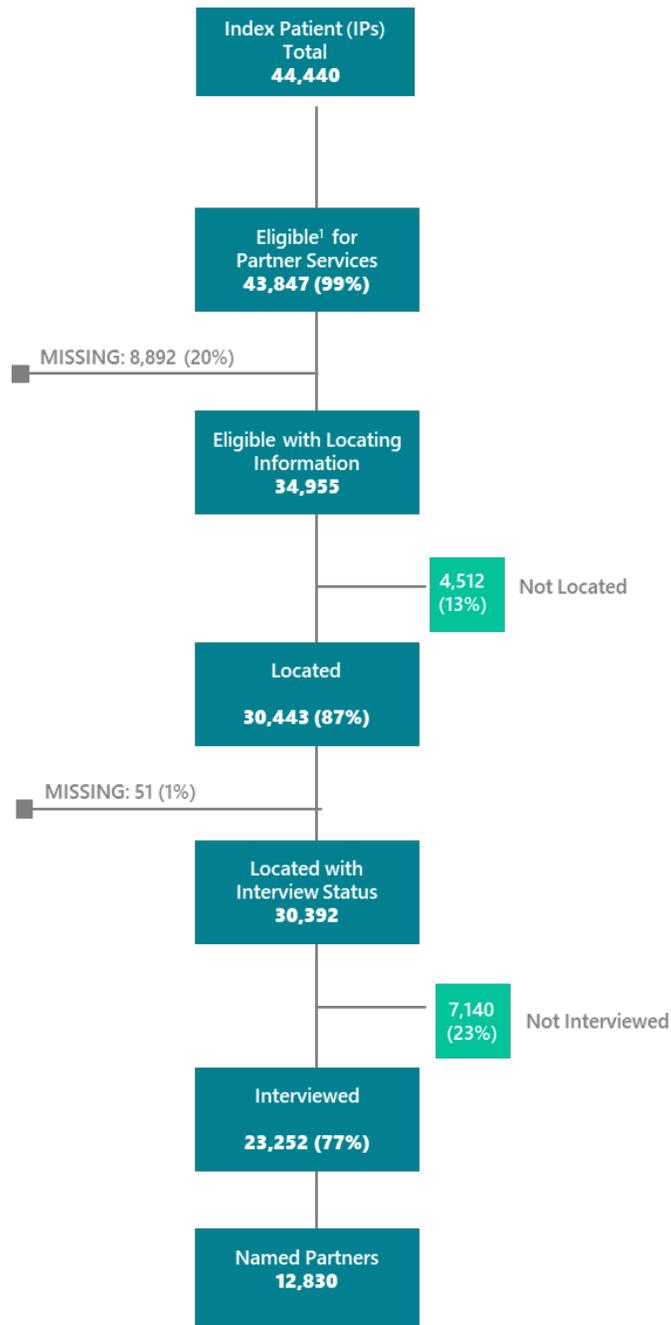
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# HIGHLIGHTS\*

In 2020, 44,440 index patients were reported across all HIV Partner Services programs. Of these, 23,252 were interviewed and named a total of 12,830 sex and/or needle-sharing partners.

Figure 1: Total Index Patients 2020



**Data Source:** NHM&E Partner Services data (January 1, 2020- December 31, 2020) as of March 16, 2021

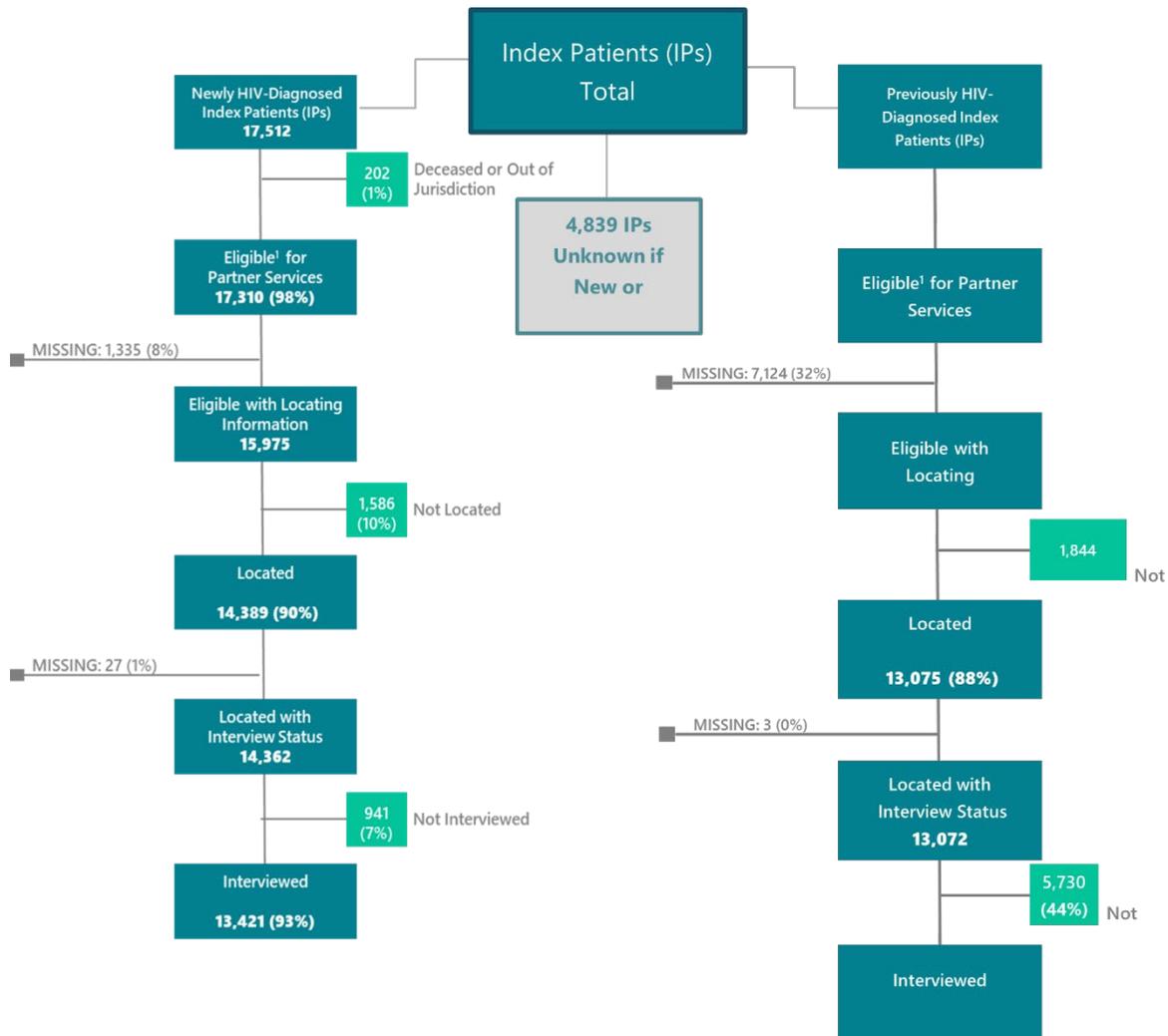
\*In this report, percentages are calculated by excluding missing data, thus possibly overestimating the true values for the indicators.

<sup>1</sup>An index patient is eligible for partner services if he or she is not deceased or out of jurisdiction at the time of report.

# HIGHLIGHTS\*

Of the 14,362 newly HIV-diagnosed index patients who had information about their partner services enrollment/interview status, 13,421 (93%) were interviewed. Of the 13,072 previously HIV-diagnosed index patients who had information about their partner services enrollment/interview status, 7,342 (56%) were interviewed.

Figure 2: Newly Diagnosed and Previously Diagnosed Index Patients



**Data Source:** NHM&E Partner Services data (January 1, 2020- December 31, 2020) as of March 16, 2021

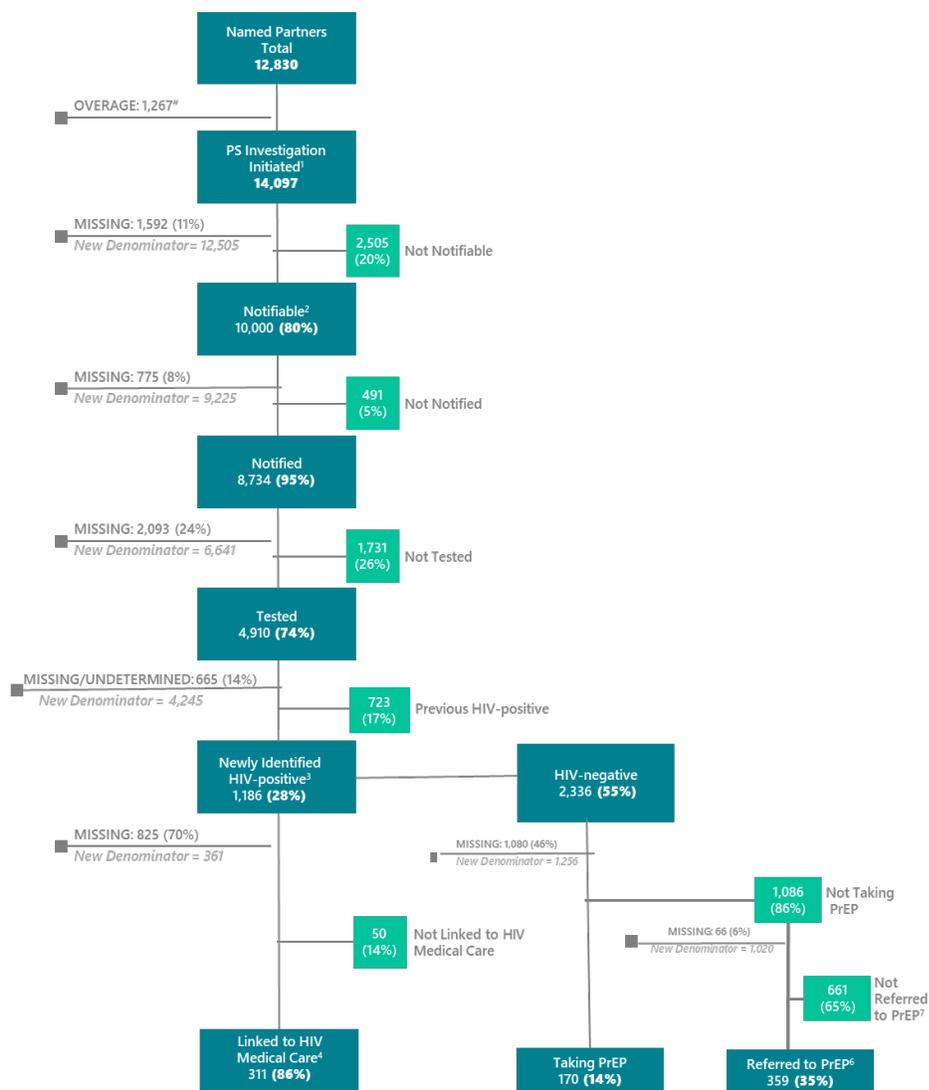
\*In this report, percentages are calculated by excluding missing data, thus possibly overestimating the true values for the indicators.

<sup>1</sup> Index patients are eligible for partner services if they are not deceased or out of jurisdiction at the time of report.

# HIGHLIGHTS\*

Of the 4,245 partners tested with a documented HIV test result, 1,186 (28%) were newly diagnosed with HIV, of which 311 of 361 partners with a care status (86%) were linked to care. Of the 2,336 partners who were HIV-negative, 1,256 had a reported pre-exposure prophylaxis (PrEP) status of which 14% were taking PrEP. Of the 1,020 partners not taking PrEP with a reported referral status, 35% were referred to a provider who can prescribe PrEP.

Figure 3: Total Named Partners 2020



**Data Source:** NHM&E Partner Services data (January 1, 2020-December 31, 2020) as of March 16, 2021

\*This report focuses on percentages calculated by excluding missing data, thus possibly overestimating the true values for the indicators.  
<sup>1</sup> The number of partners initiated may exceed the number of named partners as some partners may be initiated in partner services without being named by an index patient.  
<sup>2</sup> Partners named, for whom a record was created in the NHM&E database in EvaluationWeb®. The total includes partners determined to be out of jurisdiction, deceased, not notifiable due to assessed risk for potential violence on the part of the index patient or the partner, or previously HIV-diagnosed.  
<sup>3</sup> Partners that are not known to be HIV-positive, out of jurisdiction, deceased, or potentially violent.  
<sup>4</sup> Partners who test positive for HIV after having no evidence of previous HIV diagnosis from cross-check with the health department surveillance system, review of laboratory reports, medical records, or other available data sources (e.g., partner services database, evidence of previous treatment for HIV); or patient self-report.  
<sup>5</sup> The referring agency confirmed that the client accessed the HIV medical care to which they were referred. The denominator excludes missing data as well as "pending," "lost to follow-up," "no follow-up," and "don't know" options.  
<sup>6</sup> Records that did not have data on PrEP use and referral were excluded.  
<sup>7</sup> Only partners who reported that they were not currently taking PrEP were included in the denominator.  
<sup>8</sup> Results include "Declined" and "Not Referred."

## Introduction

In 2019, there were 36,801 persons newly diagnosed with HIV infection in the United States.<sup>1</sup> Most infections occur following exposure to HIV from persons who are infected but not receiving medical care.<sup>2</sup> Some of these persons have HIV that has not been diagnosed, others have HIV that has been diagnosed but are not linked to HIV medical care, and still, others are linked to HIV medical care but are subsequently lost to medical follow-up or not virally suppressed. A critical challenge for HIV prevention is to identify persons with HIV who are not in care, help them access care so they can receive treatment with antiretroviral therapy (ART), and help them remain in care. Achieving viral suppression by getting and staying on treatment as prescribed is key to improving health outcomes for people with HIV, and once sustained viral suppression is achieved, studies have shown that there is no risk of sexually transmitting HIV.<sup>3</sup>

Partner services (PS) is a key strategy for identifying persons with HIV—those with undiagnosed HIV infection and those with previously diagnosed HIV infection who are not receiving HIV medical care—and helping them access care, treatment, prevention, and support services. All persons with newly diagnosed HIV infection should receive partner services to help them identify sex and needle-sharing partners who may also be infected or may have risk factors for HIV infection.<sup>4</sup> These partners can then be notified of their potential exposure and offered HIV testing. Partners who test positive for HIV can then be linked to HIV medical care and other services. Those testing negative for HIV can be referred for pre-exposure prophylaxis (PrEP) and other prevention services. Partner services can also help persons with HIV and their partners address other needs, such as reducing behavioral risk factors for transmitting or acquiring HIV, accessing treatment for mental health disorders and substance abuse, and obtaining social services to address unmet housing, transportation, employment, and other needs.

Partner services is an effective HIV prevention strategy that can significantly contribute to the national goal of ending the HIV epidemic. CDC provides funding to state and local health departments to help implement partner services programs and achieve national goals. This report summarizes the 2020 client-level partner services program data submitted by CDC-funded jurisdictions in the United States and two dependent areas (i.e., Puerto Rico and U.S. Virgin Islands).

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<sup>1</sup> Centers for Disease Control and Prevention. HIV Surveillance Report, 2019; vol. 32. <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2021. Accessed February 2022.

<sup>2</sup> Centers for Disease Control and Prevention. Vital Signs: HIV Transmission along the Continuum of Care — United States, 2016. *MMWR* 2019;68:267–272.

<sup>3</sup> Centers for Disease Control and Prevention. HIV Treatment as Prevention. <https://www.cdc.gov/hiv/risk/art/>. Accessed June 2022.

<sup>4</sup> Centers for Disease Control and Prevention. CDC Recommendations for Partner Services Programs for HIV Infection, Syphilis, Gonorrhea, and Chlamydial Infection. *MMWR* 2008; 57(No. RR-9):[1-83].

## Methods

State and local health departments collect standardized client-level National HIV Prevention Program Monitoring and Evaluation (NHM&E) partner services data that are submitted to CDC twice a year. NHM&E refers to a set of standardized data collection and reporting requirements for national and local HIV prevention monitoring and evaluation. The standard variables collected include information about demographic characteristics, sexual and injection-drug-use behaviors that increase the chances of getting or transmitting HIV, number/type of partners, HIV care status, HIV testing, and linkage to HIV medical care and prevention. CDC uses these data to monitor HIV partner services program performance at the national level. Data are reported through EvaluationWeb<sup>®</sup>, a secure, web-based software tool made available through CDC to funding recipients. The data undergo a quality assurance process and are then used to calculate key partner services program performance indicators at the national and jurisdictional levels (Table 1) to assess progress at each step of the partner services process. Indicators are stratified by age, gender, race/ethnicity, population group<sup>a</sup>, and geographic region<sup>b</sup> as defined by the U.S. Census Bureau. Behavioral risk data used to define the population groups are only required and reported for persons with diagnosed HIV infection.

In mid-2018, variables were added to the partner services data requirements that were designed to:

- distinguish between index patients with newly and previously diagnosed HIV infection and
- capture PrEP use and referral among partners who are HIV-negative.

With these variable additions, the index patient indicators can now be stratified by new or previous HIV-positive diagnosis. This is helpful when assessing the uptake of the 2008 CDC Recommendations for Partner Services Programs for HIV Infection, Syphilis, Gonorrhea, and Chlamydia Infection, which state that **all** newly HIV-diagnosed index patients should be interviewed to elicit partners.

<sup>a</sup> Population groups are categorized as follows: men who have sex with men and report injection drug use, men who have sex with men, persons who inject drugs, heterosexual men, heterosexual women, and 'other' that includes transgender persons, women who have sex with women, persons who have sex with transgender persons.

<sup>b</sup> U.S. geographic regions include the following – Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota and Wisconsin; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming. U.S. Dependent Areas: Puerto Rico and the U.S. Virgin Islands.

The source for this report is a dataset generated from NHM&E client-level partner services data for cases opened from January 1 to December 31, 2020 and reported to CDC as of March 2021. The partner services program performance indicators included in this report are as follows:

1. Interview of index patients (partner elicitation)
  - Percentage of eligible and located index patients who were interviewed for partner services
2. Partner notification
  - Percentage of notifiable partners who were notified of their potential exposure to HIV
3. Partner testing
  - Percentage of notified partners who were tested for HIV
  - Percentage of tested partners who were newly diagnosed with HIV infection
4. Linkage to HIV medical care
  - Percentage of partners newly diagnosed with HIV infection who were linked to HIV medical care
5. PrEP use or referral
  - Percentage of partners who are HIV-negative currently taking PrEP
  - Percentage of partners who are HIV-negative and not currently taking PrEP who were referred to a PrEP provider

Indicators were calculated and reported for those records with complete data. In this report, percentages reported are calculated by excluding missing data, thus possibly overestimating the true values for the indicators.

Additionally, program performance may have been affected by several contextual factors, such as HIV prevalence, political environments, existing laws and regulations, program infrastructure, funding levels, surveillance system capacity and availability of surveillance data to help guide program activities, program planning, programmatic modifications due to COVID-19, and effects of large-scale programmatic changes. This report is not able to account for these and other contextual factors.

## Findings

This report summarizes the 2020 client-level partner services data from 53 of the 60 CDC-funded state and local health departments in the United States, Puerto Rico, and the U.S. Virgin Islands. Findings from California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not included in this report because complete data were not submitted to CDC by the NHM&E data submission deadline.

### INDEX PATIENTS

#### A. Who Was Eligible for Partner Services?

Of the 44,440 total index patients reported by partner services programs, almost all (**99%**) were **eligible** (not deceased or out of jurisdiction) for HIV partner services (Table 2).

- **Age:** The highest percentage of eligible index patients were in the age group 30-39 years (29%) followed by 20-29 (25%). Only 2% of index patients were 19 years of age or younger (Table 3).
- **Gender:** The majority of index patients were male (79%), with female and transgender persons accounting for 19% and 2%, respectively (Table 3).
- **Race/Ethnicity:** A high percentage of index patients were Black/African American persons (44%), followed by White (24%), and Hispanic/Latino (23%) persons (Table 3).
- **U.S. Geographic Region:** The majority (71%) of index patients lived in the South (Table 3).
- **Population Group:** Men who have sex with men (MSM) accounted for 25% of index patients in 2020. However, sexual and injection-drug-use risk information for a high proportion of index patients was missing or invalid (54%) (Table 3).
- **Newly Diagnosed vs. Previously Diagnosed:** Some health departments were unable to distinguish between index patients with newly diagnosed and previously diagnosed HIV infection. Of the jurisdictions that were able to report on index patients with newly diagnosed HIV infection, 99% of 17,512 were eligible for HIV partner services (Table 2a). Of the jurisdictions that were able to report on index patients with previously diagnosed HIV infection, nearly 100% of the 22,089 were eligible for HIV partner services (Table 2b).

#### B. How Effective Are Partner Services Programs in Locating and Interviewing Index Patients with HIV?

*Indicator: Percentage of eligible and located index patients who were interviewed for partner services*

Index patients who were not deceased or out of jurisdiction at the time of reporting (eligible) and those for whom there is sufficient information (e.g., an address, phone number, email address, screen name) to offer partner services are considered locatable (n = 34,955). A total of 30,443 (87%) eligible index patients were located. Of those 30,392 with information about their partner services enrollment status, **23,252 (77%)** were **interviewed to elicit partner names** (Table 2).

- **Age:** Eligible index patients aged 13-19 were located (92%) and interviewed (93%) the most. Although index patients aged 50 and over were located at a high percentage (87%), they were interviewed the least (60%) (Table 3).
- **Gender:** Female persons were located the least (86%) and were interviewed the least (70%). The percentage of persons reported as 'other' gender were located (99%) and interviewed (91%) more than those reported as transgender persons (89% and 83%, respectively) (Table 3).
- **Race/Ethnicity:** More than 80% of index patients with a reported race or ethnicity were located; Native Hawaiian or Pacific Islander and multi-race persons were located (93% for both groups) and interviewed (88% and 91%, respectively) the most. Black/African American and White index patients had the lowest percentage for partner services interviews (76%) (Table 3).
- **U.S. Geographic Region:** Index patients in the Northeast and the South were located the most (89%) and almost all (97%) of persons in the U.S. dependent areas were interviewed for partner services. Index patients in the South were interviewed at the lowest percentage (71%) (Table 3).
- **Population Group:** All population groups with an identified sexual or injection-drug-use risk behavior were located at or above 90%. In addition, all population groups with an identified sexual or injection-drug-use risk behavior were interviewed at or above 93% except those classified as 'Other' (85%) (Table 3).
- **Newly Diagnosed vs Previously Diagnosed:** A total of 14,389 (90%) eligible index patients with newly diagnosed HIV infection were located. Of the 14,362 who had a reported partner services enrollment status, 13,421 (93%) were interviewed to elicit partner names (Table 2a). A total of 13,075 (88%) eligible index patients with previously diagnosed HIV infection were located. Of the 13,072 who had a reported partner services enrollment status, 7,342 (56%) were interviewed to elicit partner names (Table 2b).

## PARTNERS

A total of 12,830 sex and/or needle-sharing partners were named by index patients during the interview process. Partner services records were also created in EvaluationWeb® for an additional 1,267 'orphan' partners that were not named by an index patient. Most of these cases occur when a partner is previously diagnosed with HIV and re-enters partner services because of being named by an index patient with a new sexually transmitted infection. As a result, partner services were initiated for 14,097 partners. Five performance indicators were calculated to answer key partner services program evaluation questions.

### A. How Effective Are Partner Services Programs in Notifying Partners of Their Potential HIV Exposure?

*Indicator: Percentage of notifiable partners who were notified*

Of the partners for whom partner services were initiated, 1,592 records (11%) contained missing data on notifiability and were excluded. Another 2,505 (20%) partners were found to be not notifiable because they

were either previously known to be HIV-positive and did not need partner services, out of jurisdiction, deceased, or potentially violent.

The remaining 10,000 (80%) partners were considered notifiable. Of the 9,225 notifiable partners with a notification method reported, a total of 8,734 **(95%)** were **notified of their potential HIV exposure** (Table 4).

- **Age:** The age groups 20-29 (29%) and 30-39 (29%) accounted for the highest percentages of partners who were initiated for partner services. Notification of partners was at or above 95% for all age groups (Table 5).
- **Gender:** Of the partners initiated for partner services, 78% were male, 18% were female, and 1% were transgender persons. The percentage of male, female, and transgender partners notified was at or above 95% (Table 5).
- **Race/Ethnicity:** Black/African American persons (43%) accounted for the highest percentage of partners who were initiated for partner services; White persons accounted for 26% and Hispanic/Latino persons for 17%. (Table 5).
- **U.S. Geographic Region:** The majority of partners initiated for partner services lived in the South (59%). The Midwest, Northeast, and West accounted for lower percentages of partners being initiated into partner services at 9%, 15%, and 16%, respectively. The Northeast had the lowest percentage of partners notified (90%), while the U.S dependent areas reported 100% notification (Table 5).
- **Population Group:** Sexual and injection-drug-use risk behavior data were only required to be reported for partners who were HIV-positive; 76% of partners were missing these data and could not be categorized. Among those for whom behavioral risk was reported, notification was high with all groups being notified at least 95% (Table 5).

## **B. How Effective Are Partner Services Programs in Testing Notified Partners and Identifying HIV?**

*Indicator 1: Percentage of notified partners who were tested for HIV*

*Indicator 2: Percentage of tested partners who were newly diagnosed with HIV infection*

Of the 6,641 notified partners with HIV test information (2,093 records were excluded due to missing data), **74% (4,910) were tested for HIV** (Table 4). Of the 4,245 partners tested with a documented HIV test result (665 records were excluded for missing data), **28% (1,186) were newly diagnosed as HIV-positive** (Table 6). To be categorized as newly diagnosed with HIV infection, partners must have tested positive for HIV infection and have no evidence of previous HIV diagnosis from cross-check with the health department surveillance system, review of laboratory reports, medical records, or other available data source or patient self-report. Even including all named partners into the denominator, partner services programs in CDC-funded health departments show a **9% yield of persons newly identified as HIV positive** (1,186/12,830).

- **Age:** Notified partners aged 30-39 were tested the most (77%) while those aged 13-19 were tested the least (67%) (Table 5). Partners aged 20-29 had the highest percentage of being diagnosed as HIV-positive at 30%, followed by those aged 30-39 and 50+ at 28% (Table 6a).
- **Gender:** Notified transgender partners were tested for HIV (79%) at the highest percentage, while the percentage of male and female partners tested at (74%) (Table 5). Male partners were the most likely to test HIV-positive (29%) compared with female (24%) and transgender (21%) partners (Table 6a).
- **Race/Ethnicity:** Asian partners were tested the most at 87% and American Indian or Alaska Native partners the least at 64% (Table 5) but had the lowest percentage of being identified as HIV-positive (9%) (Table 6a). Hispanic/Latino partners were tested for HIV (79%) at a higher percentage than White (76%) and Black/African American partners (73%) (Table 5), and they were also more likely to be newly identified as HIV-positive (36%) compared with Black/African American (28%) and White partners (24%) (Table 6a).
- **U.S. Geographic Region:** U.S. dependent areas had the highest percentage of notified partners tested for HIV (99%) and the Northeast had the lowest (62%) (Table 5). The highest percentage of partners newly diagnosed with HIV infection was in the South (38%), followed by the U.S. dependent areas (36%) (Table 6a).
- **Population Group:** Approximately 68% of partners were missing sexual and injection-drug-use risk behavior data and could not be categorized. MSM/persons who inject drugs (PWID), MSM, and heterosexual women had the highest testing percentages at above 90% (Table 5). Partners categorized as 'other' (includes transgender persons, women who have sex with women, and persons who have sex with transgender persons) were newly diagnosed with HIV infection the least (27%) and MSM/PWID were the most at 44% (Table 6a).

### **C. How Effective Are Partner Services Programs in Linking Partners with HIV to HIV Medical Care Services?**

*Indicator: Percentage of partners newly identified with HIV who were linked to HIV medical care*

Partners who test positive for HIV should be linked as soon as possible to HIV medical care. CDC considers a partner linked when the referring agency has confirmed that the client accessed the HIV medical care to which he or she was referred. In 2020, a total of 1,186 partners from all partner services programs were identified with newly diagnosed HIV infection. Of the 361 partners with newly identified HIV with follow-up information to verify that services were accessed (825 records or 70% were excluded for missing data or a non-confirmed care status), **311 (86%)** were **linked to HIV medical care** (Table 6).

- **Age:** Newly identified partners with HIV in every age group had a linkage to HIV medical care percentage of 80% or higher with those aged 50 and over at 100% (Table 6a).
- **Gender:** Female newly identified partners with HIV had a higher linkage to HIV medical care percentage at 93% than males (86%) and transgender partners (75%) (Table 6a).
- **Race/Ethnicity:** Newly identified Hispanic/Latino partners with HIV were linked to HIV medical care at a higher percentage (91%) than Blacks/African American (86%) and White (84%) partners. (Table 6a).
- **U.S. Geographic Region:** Newly identified partners with HIV who lived in the South had the lowest percentage (77%) of being linked to HIV medical care and all partners in the US dependent areas were linked (Table 6a).
- **Population Group:** Among newly identified partners with HIV with sexual and injection-drug-use risk information, those categorized as PWID were linked the least to HIV medical care (70%) while heterosexual women were linked the most at 96%, although the numbers for some groups were small (Table 6a).

#### **D. How Effective Are Partner Services Programs in Referring Partners who are HIV-negative to PrEP?**

Partner services programs provide an opportunity to expand HIV PrEP services to individuals who have an ongoing risk of becoming infected with HIV. In 2018, two variables were added to the NHM&E requirements to measure the level of current use of PrEP among partners who are HIV-negative and the degree to which partner services programs refer those who were not taking PrEP to a provider. Referral to a PrEP provider is a process involving the provision of information on who the providers are, what documents the referred person should take with them, how to get to the providers' agency, and what to expect from the referral process. A person can be referred to a PrEP provider internally (to another unit or person within the same agency) or externally (e.g., a community-based organization [CBO] may screen and identify eligible persons, and then refer them to a healthcare provider that offers PrEP services).

*Indicator 1: Percentage of partners who are HIV-negative currently taking PrEP*

*Indicator 2: Percentage of partners who are HIV-negative and not currently taking PrEP who were referred to a PrEP provider*

- **Age:** Partners who were HIV-negative aged 30-39 reported currently taking PrEP at the highest percentage at 18%. Of those partners who were HIV-negative and not currently taking PrEP, those aged 20-29 had the highest percentage of being referred to a PrEP provider at 41%, followed by those aged 50 and over at 36% (Table 7a).
- **Gender:** Female partners who were HIV-negative had the lowest report of taking PrEP (8%), while transgender partners had the highest (39%). Male partners were more likely to be referred to a PrEP provider (37%) than female and transgender persons (31% and 25%, respectively) (Table 7a).

- **Race/Ethnicity:** American Indian or Alaska Native partners who were HIV-negative were more likely to be taking PrEP (25%) and referred to a PrEP provider (73%) than all other racial or ethnic groups. Asian and multi-race partners were least likely to report using PrEP (10%) (Table 7a).
- **U.S. Geographic Region:** Partners who were HIV-negative and lived in the Northeast were most likely (22%) to be taking PrEP at the time of their HIV test results. Partners in the Midwest were the least likely (8%) to be on PrEP and partners in the South were the least likely (23%) to be referred to a PrEP provider, while those in the US dependent areas were the most (88%) (Table 7a).
- **Population Group:** Among partners with sexual and injection-drug-use risk behavior information, those categorized as MSM/PWID (43%) were taking PrEP at the highest percentages. PrEP usage in heterosexual men was the lowest reported at 7%. Those categorized as other population group (53%) and MSM (51%) were referred to PrEP providers the most (Table 7a).

## Interpretation of the Data

While partner services data reporting and quality are continuously improving, the interpretation of findings contained in this report should be informed by the level of missing data on key variables and the factors that contributed to missing data.

In the 2020 partner services data, several key variables used to calculate program performance indicators had **missing data** ranging between <1% and 70% of the total records.

Figure 4: 2020 Partner Services Data

Key Variables	Missing Records	Total Records	Percent Missing
Enrollment status for index patients	51	30,443	< 1%
Partner notifiability	1,592	14,097	11%
Partner notification	775	10,000	8%
HIV test performed for partners	2,093	8,734	24%
Test results for partners	665	4,910	14%
Linkage to HIV medical care	825	1,186	70%
PrEP use	1,080	2,336	46%
PrEP referral	66	1086	6%

In this report, the percentages reported were calculated by excluding missing data, thus probably overestimating the true values for the indicators, especially for those indicators with relatively high missing data (i.e., HIV test performed for partners, Linkage to HIV medical care, PrEP use and PrEP referral).

In addition, other important variables that are required to describe the indicators by demographic and population group (particularly behavioral risk factors) had a significant amount of missing data. While results for partner HIV testing, identification of previously undiagnosed HIV, and linkage to care for persons with newly diagnosed HIV indicate success, interpretations are limited by the incompleteness of data. There is a need to further strengthen data systems to improve data completeness and our assessment of partner services programs nationally.

There are at least three factors that contributed to missing data.

- First, key variables were modified in the partner services requirements that directly affected data completeness. The most notable change was requiring health departments to distinguish between index patients who were newly diagnosed and previously diagnosed with HIV infection. Previously, this information was only collected in aggregate, but now health departments report these data to CDC at the client level. Another added requirement was the reporting on all partners who are HIV-negative and taking PrEP or receiving a referral to PrEP services. Many health departments are having challenges tracking these data.
- In addition, data collection systems used by recipients varied. Although the NHM&E required variables are standardized, health departments use different systems for collecting and reporting partner services data. Recipients may use their own locally developed, adapted systems or use commercially available systems (e.g., PRISM, Maven, PartnerServicesWeb® within EvaluationWeb®), some of which are missing key variables needed to calculate partner services program performance indicators. Linkage to HIV medical care among partners who were newly diagnosed with HIV infection had the most missing data in these systems.
- Lastly, tracking partners' past and current HIV test results and their linkage to care is a complex, time- and labor-intensive activity. At a minimum, it requires data sharing between various providers and data systems that are continuously updated. While many health departments verbally report linking 100% of partners with newly diagnosed HIV infection to HIV medical care during the semi-annual quality assurance process, their partner services data submitted to CDC do not reflect this for various reasons. For example, missing data on linkage to HIV medical care may be due to program infrastructure limitations, making it difficult to confirm in a timely manner if a person has attended their first HIV medical appointment.

*Use of trade names and commercial sources is for identification only and does not imply endorsement by the U.S. Department of Health and Human Services.*

## Terms

**Eligible** – An index patient is eligible for partner services if he or she is not deceased or out of jurisdiction at the time of report.

**Eligible with Locating Information** – Index patients who are not deceased or out of jurisdiction at the time reported and there is sufficient information such as an address, phone number, email address, screen name, etc., to offer partner services.

**Initiated** – Partners named for whom a record was created in the NHM&E client-level partner services database in EvaluationWeb®.

**Linked to Care** – The referring agency has confirmed that the client accessed the HIV medical care to which he or she was referred.

**NHM&E** – A set of standardized data collection and reporting requirements for national and local HIV prevention monitoring and evaluation.

**Notifiable** – Partners are considered notifiable or locatable if they are not already known to be HIV-positive, not out of jurisdiction, not deceased, and there is no concern about potential partner violence.

**Newly Identified** – Partners who test positive for HIV after having no evidence of previous HIV diagnosis from cross-check with the health department surveillance system, review of laboratory reports, medical records, or other available data source or patient self-report.

**Referred to PrEP** – Referral to PrEP providers is a process involving the provision of information on who the providers are, what documents the referred person should take with them, how to get to the providers' agency, and what to expect from the referral process. A person can be referred to a PrEP provider internally (to another unit or person within the same agency) or externally (e.g., a CBO may screen and identify eligible persons, and then refer them to a healthcare provider that offers PrEP services).

**TABLE 1. Overview of Key Partner Services Indicators, 53 Health Departments, 2020\***

Jurisdictions	Index Patients		Partners			
	Number of Index Patients	Index Patients Interviewed	Number of Partners	Partners Tested for HIV	Newly Identified Partners with HIV	Newly Identified Partners Linked to Care
Alabama	766	458	411	35	18	14
Alaska	58	48	61	31	2	1
Arizona	1,080	853	740	245	16	15
Arkansas	138	129	133	24	0	0
(CA) Los Angeles	1,295	903	235	60	4	0
(CA) San Francisco	159	114	57	20	3	3
Colorado	313	262	212	117	31	27
Connecticut	21	8	8	0	0	0
Delaware	112	49	24	1	0	0
District of Columbia	95	38	23	11	3	3
Florida	17,857	3,060	1,272	621	0	0
Georgia	44	30	80	8	3	0
Hawaii	44	37	55	11	1	0
Idaho	37	8	2	0	0	0
Illinois (excludes Chicago)	999	302	32	0	0	0
Indiana	429	143	176	21	3	1
Iowa	107	97	167	62	12	6
Kentucky	319	184	97	3	0	0
Louisiana	1,039	464	222	35	2	2
Maine	39	6	6	0	0	0
Maryland (excludes Baltimore)	1,208	981	393	109	2	2
Baltimore	496	391	194	37	0	0
Massachusetts	434	302	217	56	2	2
Michigan	825	685	254	93	14	7
Mississippi	1,080	813	513	117	14	10
Missouri	132	108	121	42	1	0

Jurisdictions	Index Patients		Partners			
	Number of Index Patients	Index Patients Interviewed	Number of Partners	Partners Tested for HIV	Newly Identified Partners with HIV	Newly Identified Partners Linked to Care
Montana	16	15	5	0	0	0
Nebraska	58	35	17	0	0	0
Nevada	549	457	332	136	14	12
New Hampshire	25	15	7	4	2	2
New Jersey	751	597	231	0	0	0
New Mexico	143	106	68	17	1	1
New York (excludes NYC)	479	326	308	132	9	0
New York City (NYC)	1,801	1,464	620	100	8	5
North Carolina	1,847	1,721	884	611	227	99
North Dakota	32	18	0	10	2	1
Ohio	865	584	390	285	45	43
Oklahoma	41	34	29	7	0	0
Oregon	175	144	184	65	7	3
Pennsylvania (excludes Philadelphia)	369	369	155	11	10	0
Philadelphia	703	467	485	95	8	8
Rhode Island	62	57	116	24	1	0
South Dakota	37	37	67	6	3	0
Tennessee	545	427	416	39	1	0
Texas (includes Houston)	4,677	4,385	1,537	854	657	0
Virginia	1,061	883	810	538	23	15
Washington	812	476	317	129	7	5
West Virginia	45	7	13	0	0	0
Wisconsin	2	1	0	0	0	0
Wyoming	6	6	13	5	0	0
Puerto Rico	161	132	106	83	30	24
U.S. Virgin Islands	52	16	15	0	0	0
<b>TOTAL</b>	<b>44,440</b>	<b>23,252</b>	<b>12,830</b>	<b>4,910</b>	<b>1,186</b>	<b>311</b>

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented because complete data were not available by the NHM&E data submission deadline

**TABLE 2. Index Patients Offered Partner Services, 53 Health Departments, 2020\***

Jurisdictions	Number of Index Patients	Index Patients Eligible for PS		Index Patients Located			Index Patients Interviewed		
		N	%	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Alabama	766	766	100.0	494	521	94.8	458	494	92.7
Alaska	58	58	100.0	48	50	96.0	48	48	100.0
Arizona	1,080	1,080	100.0	908	1,055	86.1	853	908	93.9
Arkansas	138	138	100.0	130	138	94.2	129	130	99.2
(CA) Los Angeles (LA)	1,295	1,291	99.7	1,109	1,291	85.9	903	1,109	81.4
(CA) San Francisco (SF)	159	157	98.7	126	157	80.3	114	126	90.5
Colorado	313	313	100.0	313	313	100.0	262	313	83.7
Connecticut	21	20	95.2	18	18	100.0	8	14	57.1
Delaware	112	110	98.2	54	110	49.1	49	53	92.5
District of Columbia	95	95	100.0	69	95	72.6	38	69	55.1
Florida	17,857	17,822	99.8	8,264	9,614	86.0	3,060	8,264	37.0
Georgia	44	44	100.0	30	44	68.2	30	30	100.0
Hawaii	44	44	100.0	37	38	97.4	37	37	100.0
Idaho	37	37	100.0	20	25	80.0	8	19	42.1
Illinois (excludes Chicago)	999	869	87.0	372	869	42.8	302	357	84.6
Indiana	429	429	100.0	262	365	71.8	143	262	54.6
Iowa	107	107	100.0	105	107	98.1	97	105	92.4
Kentucky	319	319	100.0	223	270	82.6	184	222	82.9
Louisiana	1,039	987	95.0	760	979	77.6	464	760	61.1
Maine	39	38	97.4	22	24	91.7	6	22	27.3
Maryland (excludes Baltimore)	1,208	1,208	100.0	1,024	1,155	88.7	981	1,024	95.8
Baltimore	496	496	100.0	416	463	89.8	391	416	94.0
Massachusetts	434	415	95.6	361	415	87.0	302	361	83.7
Michigan	825	820	99.4	732	811	90.3	685	730	93.8
Mississippi	1,080	1,080	100.0	849	1,044	81.3	813	849	95.8
Missouri	132	131	99.2	126	131	96.2	108	113	95.6
Montana	16	16	100.0	16	16	100.0	15	16	93.8

Jurisdictions	Number of Index Patients	Index Patients Eligible for PS		Index Patients Located			Index Patients Interviewed		
		N	%	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Nebraska	58	58	100.0	50	57	87.7	35	50	70.0
Nevada	549	480	87.4	471	474	99.4	457	471	97.0
New Hampshire	25	25	100.0	20	25	80.0	15	20	75.0
New Jersey	751	741	98.7	633	741	85.4	597	633	94.3
New Mexico	143	143	100.0	111	139	79.9	106	111	95.5
New York (excludes NYC)	479	444	92.7	420	444	94.6	326	420	77.6
New York City	1,801	1,769	98.2	1,545	1,769	87.3	1,464	1,545	94.8
North Carolina	1,847	1,847	100.0	1,721	1,847	93.2	1,721	1,721	100.0
North Dakota	32	30	93.8	18	26	69.2	18	18	100.0
Ohio	865	865	100.0	864	864	100.0	584	864	67.6
Oklahoma	41	41	100.0	34	34	100.0	34	34	100.0
Oregon	175	175	100.0	144	175	82.3	144	144	100.0
Pennsylvania (excludes Philadelphia)	369	369	100.0	369	369	100.0	369	369	100.0
Philadelphia	703	702	99.9	602	702	85.8	467	602	77.6
Rhode Island	62	62	100.0	57	62	91.9	57	57	100.0
South Dakota	37	37	100.0	37	37	100.0	37	37	100.0
Tennessee	545	538	98.7	440	538	81.8	427	427	100.0
Texas (includes Houston)	4,677	4,506	96.3	4,395	4,506	97.5	4,385	4,395	99.8
Virginia	1,061	1,054	99.3	972	1,042	93.3	883	972	90.8
Washington	812	807	99.4	485	786	61.7	476	485	98.1
West Virginia	45	45	100.0	7	7	100.0	7	7	100.0
Wisconsin	2	2	100.0	1	1	100.0	1	1	100.0
Wyoming	6	6	100.0	6	6	100.0	6	6	100.0
Puerto Rico	161	161	100.0	135	136	99.3	132	135	97.8
U.S. Virgin Islands	52	50	96.2	18	50	36.0	16	17	94.1
<b>TOTAL</b>	<b>44,440</b>	<b>43,847</b>	<b>98.7</b>	<b>30,443</b>	<b>34,955</b>	<b>87.1</b>	<b>23,252</b>	<b>30,392</b>	<b>76.5</b>

\*California, Chicago, Kansas, Minnesota,, South Carolina, Utah, and Vermont are not represented because complete data were not available by the NHM&E data submission deadline

<sup>a</sup>Excludes missing data

**Table 2a. Index Patients with Newly Diagnosed HIV Offered Partner Services, 46 Health Departments, 2020\***

Jurisdictions	Number of Index Patients	Newly HIV Diagnosed Index Patients Eligible for PS		Newly HIV Diagnosed Index Patients Located			Newly HIV Diagnosed Index Patients Interviewed		
		N	%	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Alabama	448	448	100.0	422	445	94.8	400	422	94.8
Alaska	29	29	100.0	27	29	93.1	27	27	100.0
Arizona	519	519	100.0	430	514	83.7	409	430	95.1
Arkansas	102	102	100.0	98	102	96.1	98	98	100.0
(CA) San Francisco	147	146	99.3	119	146	81.5	108	119	90.8
Colorado	295	295	100.0	295	295	100.0	255	295	86.4
Delaware	99	97	98.0	48	97	49.5	44	47	93.6
District of Columbia	89	89	100.0	68	89	76.4	38	68	55.9
Florida	2,331	2,331	100.0	896	1,088	82.4	851	896	95.0
Hawaii	34	34	100.0	33	34	97.1	33	33	100.0
Idaho	13	13	100.0	10	13	76.9	6	9	66.7
Iowa	106	106	100.0	104	106	98.1	97	104	93.3
Kentucky	188	188	100.0	154	183	84.2	125	153	81.7
Louisiana	614	563	91.7	344	563	61.1	312	344	90.7
Maine	13	12	92.3	12	12	100.0	4	12	33.3
Maryland (excludes Baltimore)	470	470	100.0	383	457	83.8	370	383	96.6
Baltimore	173	173	100.0	143	169	84.6	129	143	90.2
Massachusetts	387	368	95.1	320	368	87.0	267	320	83.4
Michigan	540	537	99.4	469	533	88.0	440	468	94.0
Mississippi	422	422	100.0	342	412	83.0	333	342	97.4
Missouri	118	118	100.0	113	118	95.8	100	103	97.1

Jurisdictions	Number of Index Patients	Newly HIV Diagnosed Index Patients Eligible for PS		Newly HIV Diagnosed Index Patients Located			Newly HIV Diagnosed Index Patients Interviewed		
		N	%	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Montana	16	16	100.0	16	16	100.0	15	16	93.8
Nebraska	52	52	100.0	49	51	96.1	35	49	71.4
Nevada	357	325	91.0	320	323	99.1	311	320	97.2
New Hampshire	25	25	100.0	20	25	80.0	15	20	75.0
New Jersey	596	586	98.3	504	586	86.0	471	504	93.5
New Mexico	59	59	100.0	53	58	91.4	50	53	94.3
New York (excludes NYC)	479	444	92.7	420	444	94.6	326	420	77.6
New York City	1,556	1,526	98.1	1,321	1,526	86.6	1,272	1,321	96.3
North Carolina	556	556	100.0	537	556	96.6	537	537	100.0
North Dakota	31	29	93.5	18	26	69.2	18	18	100.0
Ohio	865	865	100.0	864	864	100.0	584	864	67.6
Oklahoma	32	32	100.0	32	32	100.0	32	32	100.0
Oregon	175	175	100.0	144	175	82.3	144	144	100.0
Pennsylvania (excludes Philadelphia)	369	369	100.0	369	369	100.0	369	369	100.0
Philadelphia	282	281	99.6	233	281	82.9	191	233	82.0
Rhode Island	56	56	100.0	56	56	100.0	56	56	100.0
South Dakota	27	27	100.0	27	27	100.0	27	27	100.0
Tennessee	544	537	98.7	439	537	81.8	426	426	100.0
Texas (includes Houston)	3,271	3,271	100.0	3,271	3,271	100.0	3,271	3,271	100.0
Virginia	581	574	98.8	547	574	95.3	510	547	93.2
Washington	323	322	99.7	236	322	73.3	235	236	99.6
West Virginia	45	45	100.0	7	7	100.0	7	7	100.0
Wisconsin	2	2	100.0	1	1	100.0	1	1	100.0
Puerto Rico	69	69	100.0	68	68	100.0	66	68	97.1
U.S. Virgin Islands	7	7	100.0	7	7	100.0	6	7	85.7
<b>TOTAL</b>	<b>17,512</b>	<b>17,310</b>	<b>98.8</b>	<b>14,389</b>	<b>15,975</b>	<b>90.1</b>	<b>13,421</b>	<b>14,362</b>	<b>93.4</b>

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline. Seven additional health departments were not included in this table because they did not report index patients with newly diagnosed HIV infection.

<sup>a</sup>Excludes missing data

**Table 2b. Index Patients with Previously Diagnosed HIV Offered Partner Services, 36 Health Departments, 2020\***

Jurisdictions	Number of Index Patients	Previously HIV Diagnosed Index Patients Eligible for PS		Previously HIV Diagnosed Index Patients Located			Previously HIV Diagnosed Index Patients Interviewed		
		N	%	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Alabama	239	239	100.0	64	66	97.0	50	64	78.1
Alaska	26	26	100.0	20	20	100.0	20	20	100.0
Arizona	561	561	100.0	478	541	88.4	444	478	92.9
Arkansas	36	36	100.0	32	36	88.9	31	32	96.9
(CA) San Francisco	12	11	91.7	7	11	63.6	6	7	85.7
Colorado	1	1	100.0	1	1	100.0	1	1	100.0
Connecticut	1	0	0.0	0	0	N/A	0	0	N/A
Delaware	7	7	100.0	3	7	42.9	3	3	100.0
District of Columbia	5	5	100.0	1	5	20.0	0	1	0.0
Florida	15,112	15,112	100.0	7,311	8,384	87.2	2,203	7,311	30.1
Hawaii	3	3	100.0	3	3	100.0	3	3	100.0
Idaho	13	13	100.0	8	9	88.9	0	8	0.0
Iowa	1	1	100.0	1	1	100.0	0	1	0.0
Kentucky	111	111	100.0	66	84	78.6	56	66	84.8
Louisiana	425	424	99.8	416	416	100.0	152	416	36.5
Maine	6	6	100.0	6	6	100.0	2	6	33.3
Maryland (excludes Baltimore)	738	738	100.0	641	698	91.8	611	641	95.3
Baltimore	323	323	100.0	273	294	92.9	262	273	96.0
Massachusetts	47	47	100.0	41	47	87.2	35	41	85.4
Michigan	274	272	99.3	255	267	95.5	238	255	93.3
Mississippi	658	658	100.0	507	632	80.2	480	507	94.7
Missouri	10	10	100.0	10	10	100.0	7	8	87.5

Jurisdictions	Number of Index Patients	Previously HIV-Diagnosed Index Patients Eligible for PS		Previously HIV-Diagnosed Index Patients Located			Previously HIV-Diagnosed Index Patients Interviewed		
		N	%	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Nevada	192	155	80.7	151	151	100.0	146	151	96.7
New Jersey	155	155	100.0	129	155	83.2	126	129	97.7
New Mexico	84	84	100.0	58	81	71.6	56	58	96.6
(NY) New York City	169	169	100.0	155	169	91.7	126	155	81.3
North Carolina	621	621	100.0	540	621	87.0	540	540	100.0
Oklahoma	7	7	100.0	1	1	100.0	1	1	100.0
(PA) Philadelphia	421	421	100.0	369	421	87.6	276	369	74.8
Rhode Island	1	1	100.0	1	1	100.0	1	1	100.0
South Dakota	8	8	100.0	8	8	100.0	8	8	100.0
Texas (includes Houston)	784	784	100.0	784	784	100.0	784	784	100.0
Virginia	479	479	100.0	424	467	90.8	372	424	87.7
Washington	476	472	99.2	241	451	53.4	233	241	96.7
Puerto Rico	74	74	100.0	61	62	98.4	61	61	100.0
U.S. Virgin Islands	9	9	100.0	9	9	100.0	8	8	100.0
<b>TOTAL</b>	<b>22,089</b>	<b>22,043</b>	<b>99.8</b>	<b>13,075</b>	<b>14,919</b>	<b>87.6</b>	<b>7,342</b>	<b>13,072</b>	<b>56.2</b>

N/A-Not Applicable

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline. Seventeen additional health departments were not included in this table because they did not report index patients with previously diagnosed HIV infection

<sup>a</sup> Excludes missing data

**Table 3. Demographic Characteristics of Index Patients Offered Partner Services, 53 Health Departments, 2020\***

Demographic Characteristics	Index Patients Eligible for PS		Index Patients Located			Index Patients Interviewed for PS		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>AGE</b>								
13-19	728	1.7	593	643	92.2	549	592	92.7
20-29	10,726	24.5	8,217	9,197	89.3	7,145	8,205	87.1
30-39	12,598	28.7	8,883	10,280	86.4	7,220	8,862	81.5
40-49	7,788	17.8	5,185	6,095	85.1	3,793	5,178	73.3
50+	11,923	27.2	7,513	8,673	86.6	4,500	7,503	60.0
Missing/Invalid	84	0.2	52	67	77.6	45	52	86.5
<b>GENDER</b>								
Male	34,698	79.1	24,357	27,896	87.3	18,908	24,319	77.7
Female	8,109	18.5	5,305	6,182	85.8	3,688	5,294	69.7
Transgender	841	1.9	631	712	88.6	524	629	83.3
Other	114	0.3	91	92	98.9	83	91	91.2
Declined/Not Asked	43	0.1	31	34	91.2	26	31	83.9
Missing/Invalid	42	0.1	28	39	71.8	23	28	82.1
<b>RACE/ETHNICITY</b>								
White	10,381	23.7	7,279	8,390	86.8	5,544	7,260	76.4
Black or African American	19,473	44.4	13,750	15,622	88.0	10,464	13,726	76.2
Hispanic or Latino	10,009	22.8	6,907	7,904	87.4	5,425	6,902	78.6
Asian	574	1.3	474	530	89.4	413	474	87.1
American Indian or Alaska Native	314	0.7	247	296	83.4	199	247	80.6
Native Hawaiian or Pacific Islander	61	0.1	49	53	92.5	43	49	87.8
Multi-race	301	0.7	272	293	92.8	247	272	90.8
Declined	51	0.1	46	50	92.0	44	46	95.7
Don't Know	2,502	5.7	1,308	1,642	79.7	794	1,306	60.8
Missing/Invalid	181	0.4	111	175	63.4	79	110	71.8

Demographic Characteristics	Index Patients Eligible for PS		Index Patients Located			Index Patients Interviewed for PS		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>U.S. GEOGRAPHIC REGION</b>								
Northeast	4,585	10.5	4,047	4,569	88.6	3,611	4,043	89.3
Midwest	3,348	7.6	2,567	3,268	78.5	2,010	2,537	79.2
South	31,096	70.9	19,882	22,407	88.7	14,054	19,867	70.7
West	4,607	10.5	3,794	4,525	83.8	3,429	3,793	90.4
U.S. Dependent Areas	211	0.5	153	186	82.3	148	152	97.4
<b>POPULATION GROUP</b>								
MSM/PWID	429	1.0	374	389	96.1	359	372	96.5
MSM <sup>b</sup>	11,007	25.1	9,468	9,792	96.7	9,115	9,460	96.4
PWID <sup>c</sup>	514	1.2	427	471	90.7	398	426	93.4
Heterosexual Men	2,503	5.7	2,121	2,192	96.8	2,063	2,121	97.3
Heterosexual Women	2,469	5.6	2,011	2,104	95.6	1,953	2,010	97.2
Other <sup>d</sup>	967	2.2	728	810	89.9	614	726	84.6
No Risk Identified	2,264	5.2	1,885	1,961	96.1	1,682	1,880	89.5
Missing/Invalid	23,694	54.0	13,429	17,236	77.9	7,068	13,397	52.8

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline

<sup>a</sup>Excludes missing data

<sup>b</sup>MSM- Men who have sex with men

<sup>c</sup>PWID- Persons who inject drugs

<sup>d</sup>Other- Includes transgender persons, women who have sex with women, and persons who have sex with transgender persons

**Table 3a. Demographic Characteristics of Index Patients with Newly Diagnosed HIV Offered Partner Services, 46 Health Departments, 2020\***

Demographic Characteristics	Newly HIV Diagnosed Index Patients Eligible for PS		Newly HIV Diagnosed Index Patients Located			Newly HIV Diagnosed Index Patients Interviewed for PS		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>AGE</b>								
13-19	567	3.3	489	517	94.6	463	488	94.9
20-29	6,140	35.5	5,263	5,731	91.8	4,931	5,252	93.9
30-39	5,102	29.5	4,205	4,705	89.4	3,962	4,195	94.4
40-49	2,554	14.8	2,072	2,340	88.5	1,930	2,070	93.2
50+	2,912	16.8	2,331	2,650	88.0	2,108	2,328	90.5
Missing/Invalid	35	0.2	29	32	90.6	27	29	93.1
<b>GENDER</b>								
Male	13,662	78.9	11,389	12,596	90.4	10,618	11,368	93.4
Female	3,159	18.2	2,580	2,915	88.5	2,414	2,575	93.7
Transgender	382	2.2	316	357	88.5	294	315	93.3
Other	68	0.4	68	68	100.0	65	68	95.6
Declined/Not Asked	17	0.1	16	17	94.1	13	16	81.3
Missing/Invalid	22	0.1	20	22	90.9	17	20	85.0
<b>RACE/ETHNICITY</b>								
White	4,263	24.6	3,583	3,956	90.6	3,287	3,570	92.1
Black or African American	7,616	44.0	6,354	7,114	89.3	5,897	6,344	93.0
Hispanic or Latino	3,936	22.7	3,336	3,597	92.7	3,205	3,334	96.1
Asian	320	1.8	287	306	93.8	270	287	94.1
American Indian or Alaska Native	139	0.8	107	136	78.7	96	107	89.7
Native Hawaiian or Pacific Islander	30	0.2	26	29	89.7	26	26	100.0
Multi-race	148	0.9	139	147	94.6	128	139	92.1
Declined	35	0.2	32	34	94.1	31	32	96.9
Don't Know	716	4.1	447	549	81.4	421	446	94.4
Missing/Invalid	107	0.6	78	107	72.9	60	77	77.9

Demographic Characteristics	Newly HIV Diagnosed Index Patients Eligible for PS		Newly HIV Diagnosed Index Patients Located			Newly HIV Diagnosed Index Patients Interviewed for PS		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>U.S. GEOGRAPHIC REGION</b>								
Northeast	3,667	21.2	3,255	3,667	88.8	2,971	3,255	91.3
Midwest	1,736	10.0	1,645	1,726	95.3	1,302	1,634	79.7
South	9,898	57.2	7,731	8,582	90.1	7,483	7,716	97.0
West	1,933	11.2	1,683	1,925	87.4	1,593	1,682	94.7
U.S. Dependent Areas	76	0.4	75	75	100.0	72	75	96.0
<b>POPULATION GROUP</b>								
MSM/PWID	282	1.6	253	265	95.5	246	251	98.0
MSM <sup>b</sup>	5,563	32.1	4,981	5,130	97.1	4,863	4,973	97.8
PWID <sup>c</sup>	392	2.3	327	363	90.1	306	326	93.9
Heterosexual Men	1,728	10.0	1,537	1,576	97.5	1,507	1,537	98.0
Heterosexual Women	1,558	9.0	1,384	1,431	96.7	1,360	1,383	98.3
Other <sup>d</sup>	459	2.7	389	430	90.5	364	388	93.8
No Risk Identified	1,045	6.0	942	977	96.4	866	942	91.9
Missing/Invalid	6,283	36.3	4,576	5,803	78.9	3,909	4,562	85.7
<b>TOTAL</b>	<b>17,310</b>	<b>100.0</b>	<b>14,389</b>	<b>15,975</b>	<b>90.1</b>	<b>13,421</b>	<b>14,362</b>	<b>93.4</b>

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline. Seven additional health departments were not included in this table because they did not report index patients with newly diagnosed HIV infection

<sup>a</sup>Excludes missing data

<sup>b</sup>MSM- Men who have sex with men

<sup>c</sup>PWID- Persons who inject drugs

<sup>d</sup>Other- Includes transgender persons, women who have sex with women, and persons who have sex with transgender persons

**Table 3b. Demographic Characteristics of Index Patients with Previously Diagnosed HIV Offered Partner Services, 36 Health Departments, 2020\***

Demographic Characteristics	Previously HIV Diagnosed Index Patients Eligible for PS		Previously HIV Diagnosed Index Patients Located			Previously HIV Diagnosed Index Patients Interviewed for PS		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>AGE</b>								
13-19	83	0.4	48	55	87.3	38	48	79.2
20-29	3,500	15.9	2,169	2,465	88.0	1,525	2,169	70.3
30-39	6,213	28.2	3,803	4,404	86.4	2,535	3,801	66.7
40-49	4,345	19.7	2,554	2,961	86.3	1,404	2,554	55.0
50+	7,889	35.8	4,492	5,024	89.4	1,832	4,491	40.8
Missing/Invalid	13	0.1	9	10	90.0	8	9	88.9
<b>GENDER</b>								
Male	17,521	79.5	10,489	12,089	86.8	6,209	10,487	59.2
Female	4,114	18.7	2,324	2,540	91.5	944	2,323	40.6
Transgender	349	1.6	229	255	89.8	163	229	71.2
Other	43	0.2	22	23	95.7	17	22	77.3
Declined/Not Asked	6	0.0	4	4	100.0	4	4	100.0
Missing/Invalid	10	0.0	7	8	87.5	5	7	71.4
<b>RACE/ETHNICITY</b>								
White	4,999	22.7	2,923	3,407	85.8	1,629	2,921	55.8
Black or African American	10,193	46.2	6,326	7,026	90.0	3,657	6,326	57.8
Hispanic or Latino	4,875	22.1	2,699	3,178	84.9	1,482	2,698	54.9
Asian	163	0.7	120	136	88.2	88	120	73.3
American Indian or Alaska Native	160	0.7	131	147	89.1	95	131	72.5
Native Hawaiian or Pacific Islander	18	0.1	13	13	100.0	9	13	69.2
Multi-race	124	0.6	111	118	94.1	98	111	88.3
Declined	4	0.0	4	4	100.0	3	4	75.0
Don't Know	1,464	6.6	722	849	85.0	267	722	37.0
Missing/Invalid	43	0.2	26	41	63.4	14	26	53.8

Demographic Characteristics	Previously HIV Diagnosed Index Patients Eligible for PS		Previously HIV Diagnosed Index Patients Located			Previously HIV Diagnosed Index Patients Interviewed for PS		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>U.S. GEOGRAPHIC REGION</b>								
Northeast	799	3.6	701	799	87.7	566	701	80.7
Midwest	291	1.3	274	286	95.8	253	272	93.0
South	19,544	88.7	11,063	12,495	88.5	5,545	11,063	50.1
West	1,326	6.0	967	1,268	76.3	909	967	94.0
U.S. Dependent Areas	83	0.4	70	71	98.6	69	69	100.0
<b>POPULATION GROUP</b>								
MSM/PWID	109	0.5	83	86	96.5	79	83	95.2
MSM <sup>b</sup>	4,189	19.0	3,244	3,410	95.1	3,106	3,244	95.7
PWID <sup>c</sup>	83	0.4	63	70	90.0	59	63	93.7
Heterosexual Men	601	2.7	416	443	93.9	400	416	96.2
Heterosexual Women	784	3.6	508	548	92.7	482	508	94.9
Other <sup>d</sup>	395	1.8	252	279	90.3	182	252	72.2
No Risk Identified	756	3.4	496	524	94.7	455	496	91.7
Missing/Invalid	15,126	68.6	8,013	9,559	83.8	2,579	8,010	32.2
<b>TOTAL</b>	<b>22,043</b>	<b>100.0</b>	<b>13,075</b>	<b>14,919</b>	<b>87.6</b>	<b>7,342</b>	<b>13,072</b>	<b>56.2</b>

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline. Seventeen additional health departments were not included in this table because they did not report index patients with previously diagnosed HIV infection

<sup>a</sup> Excludes missing data

<sup>b</sup>MSM- Men who have sex with men

<sup>c</sup>PWID- Persons who inject drugs

<sup>d</sup>Other- Includes transgender persons, women who have sex with women, and persons who have sex with transgender persons

**Table 4. Partners Elicited by and Tested Through Partner Services, 53 Health Departments, 2020\***

Jurisdictions	Named Partners Initiated for PS	Notifiable Named Partners			Notified Partners			Notified Partners Tested for HIV		
	N	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Alabama	663	469	509	92.1	281	290	96.9	35	35	100.0
Alaska	66	58	61	95.1	34	34	100.0	31	32	96.9
Arizona	603	528	603	87.6	424	425	99.8	245	332	73.8
Arkansas	90	67	90	74.4	58	58	100.0	24	44	54.5
(CA) Los Angeles	192	99	189	52.4	99	99	100.0	60	99	60.6
(CA) San Francisco	46	45	46	97.8	34	45	75.6	20	34	58.8
Colorado	227	169	227	74.4	169	169	100.0	117	169	69.2
Connecticut	0	0	0	N/A	0	0	N/A	0	0	N/A
Delaware	7	4	7	57.1	4	4	100.0	1	1	100.0
District of Columbia	24	16	24	66.7	16	16	100.0	11	11	100.0
Florida	2,500	1,420	1,449	98.0	1,289	1,420	90.8	621	1,241	50.0
Georgia	17	17	17	100.0	17	17	100.0	8	17	47.1
Hawaii	62	48	55	87.3	42	48	87.5	11	11	100.0
Idaho	12	5	7	71.4	3	3	100.0	0	0	N/A
Illinois (excludes Chicago)	37	21	37	56.8	21	21	100.0	0	21	0.0
Indiana	254	216	233	92.7	32	32	100.0	21	21	100.0
Iowa	133	97	133	72.9	84	97	86.6	62	62	100.0
Kentucky	216	147	177	83.1	105	105	100.0	3	7	42.9
Louisiana	393	278	393	70.7	277	277	100.0	35	269	13.0
Maine	8	6	7	85.7	4	6	66.7	0	0	N/A
Maryland (excludes Baltimore)	311	205	311	65.9	204	204	100.0	109	174	62.6
Baltimore	163	84	163	51.5	84	84	100.0	37	63	58.7
Massachusetts	213	133	213	62.4	88	133	66.2	56	87	64.4
Michigan	244	175	236	74.2	168	175	96.0	93	95	97.9
Mississippi	344	222	344	64.5	222	222	100.0	117	176	66.5
Missouri	158	111	144	77.1	78	81	96.3	42	74	56.8

	Named Partner Initiated for PS	Notifiable Named Partners			Notified Partners			Notified Partners Tested for HIV		
Jurisdictions	N	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Montana	0	0	0	N/A	0	0	N/A	0	0	N/A
Nebraska	22	13	22	59.1	0	0	N/A	0	0	N/A
Nevada	415	210	415	50.6	208	210	99.0	136	180	75.6
New Hampshire	6	5	6	83.3	5	5	100.0	4	4	100.0
New Jersey	247	103	247	41.7	103	103	100.0	0	0	N/A
New Mexico	54	36	54	66.7	36	36	100.0	17	32	53.1
New York (excludes NYC)	335	241	276	87.3	239	241	99.2	132	162	81.5
New York City (NYC)	617	359	617	58.2	319	359	88.9	100	161	62.1
North Carolina	1,169	957	1,169	81.9	957	957	100.0	611	680	89.9
North Dakota	13	11	13	84.6	11	11	100.0	10	11	90.9
Ohio	394	349	392	89.0	316	316	100.0	285	316	90.2
Oklahoma	17	8	16	50.0	8	8	100.0	7	7	100.0
Oregon	186	112	186	60.2	89	90	98.9	65	86	75.6
Pennsylvania (excludes Philadelphia)	131	45	131	34.4	11	45	24.4	11	11	100.0
Philadelphia	476	303	476	63.7	303	303	100.0	95	193	49.2
Rhode Island	117	64	116	55.2	59	63	93.7	24	59	40.7
South Dakota	6	6	6	100.0	6	6	100.0	6	6	100.0
Tennessee	44	44	44	100.0	44	44	100.0	39	44	88.6
Texas (includes Houston)	1,493	1,382	1,492	92.6	1,229	1,382	88.9	854	858	99.5
Virginia	781	770	781	98.6	682	709	96.2	538	538	100.0
Washington	345	173	197	87.8	139	139	100.0	129	129	100.0
West Virginia	9	0	0	N/A	0	0	N/A	0	0	N/A
Wisconsin	2	1	2	50.0	1	1	100.0	0	0	N/A
Wyoming	5	5	5	100.0	5	5	100.0	5	5	100.0
Puerto Rico	228	161	165	97.6	125	125	100.0	83	84	98.8
U.S. Virgin Islands	2	2	2	100.0	2	2	100.0	0	0	N/A
<b>TOTAL</b>	<b>14,097</b>	<b>10,000</b>	<b>12,505</b>	<b>80.0</b>	<b>8,734</b>	<b>9,225</b>	<b>94.7</b>	<b>4,910</b>	<b>6,641</b>	<b>73.9</b>

N/A- Not Applicable

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline

<sup>a</sup> Excludes missing data

**Table 5. Demographic Characteristics of Partners Elicited by and Tested Through Partner Services, 53 Health Departments, 2020\***

Demographic Characteristics	Named Partners Initiated for PS		Notifiable Named Partners			Notified Partners			Notified Partners Tested for HIV		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>AGE</b>											
13-19	238	1.7	188	224	83.9	174	180	96.7	99	147	67.3
20-29	4,129	29.3	3,184	3,768	84.5	2,805	2,929	95.8	1,669	2,225	75.0
30-39	4,129	29.3	3,005	3,691	81.4	2,663	2,785	95.6	1,561	2,041	76.5
40-49	1,907	13.5	1,363	1,698	80.3	1,224	1,271	96.3	699	948	73.7
50+	1,719	12.2	1,224	1,498	81.7	1,125	1,180	95.3	658	911	72.2
Missing/Invalid	1,975	14.0	1,036	1,626	63.7	743	880	84.4	224	369	60.7
<b>GENDER</b>											
Male	11,036	78.3	7,714	9,766	79.0	6,723	7,102	94.7	3,744	5,038	74.3
Female	2,470	17.5	1,886	2,212	85.3	1,678	1,767	95.0	1,027	1,395	73.6
Transgender	132	0.9	96	125	76.8	81	83	97.6	48	61	78.7
Declined/Not Asked	283	2.0	178	254	70.1	160	168	95.2	57	94	60.6
Missing/Invalid	176	1.2	126	148	85.1	92	105	87.6	34	53	64.2
<b>RACE/ETHNICITY</b>											
White	3,678	26.1	2,762	3,281	84.2	2,363	2,506	94.3	1,432	1,885	76.0
Black or African American	6,049	42.9	4,357	5,413	80.5	3,873	4,051	95.6	2,085	2,853	73.1
Hispanic or Latino	2,448	17.4	1,724	2,141	80.5	1,530	1,624	94.2	949	1,196	79.3
Asian	148	1.0	108	141	76.6	95	101	94.1	66	76	86.8
American Indian or Alaska Native	139	1.0	95	137	69.3	87	87	100.0	43	67	64.2
Native Hawaiian or Pacific Islander	33	0.2	23	29	79.3	15	18	83.3	11	13	84.6
Multi-race	134	1.0	94	127	74.0	86	90	95.6	57	66	86.4
Declined	198	1.4	96	197	48.7	73	75	97.3	38	51	74.5
Don't Know	967	6.9	558	815	68.5	480	522	92.0	167	352	47.4
Missing/Invalid	303	2.1	183	224	81.7	132	151	87.4	62	82	75.6

Demographic Characteristics	Named Partners Initiated for PS		Notifiable Named Partners			Notified Partners			Notified Partners Tested for HIV		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>U.S. GEOGRAPHIC REGION</b>											
Northeast	2,150	15.3	1,259	2,089	60.3	1,131	1,258	89.9	422	677	62.3
Midwest	1,263	9.0	1,000	1,218	82.1	717	740	96.9	519	606	85.6
South	8,241	58.5	6,090	6,986	87.2	5,477	5,797	94.5	3,050	4,165	73.2
West	2,213	15.7	1,488	2,045	72.8	1,282	1,303	98.4	836	1,109	75.4
U.S. Dependent Areas	230	1.6	163	167	97.6	127	127	100.0	83	84	98.8
<b>POPULATION GROUP</b>											
MSM/PWID	85	0.6	57	79	72.2	53	56	94.6	39	43	90.7
MSM <sup>b</sup>	2,007	14.2	1,516	1,884	80.5	1,439	1,490	96.6	951	1,054	90.2
PWID <sup>c</sup>	83	0.6	64	80	80.0	60	62	96.8	39	45	86.7
Heterosexual Men	527	3.7	410	502	81.7	397	406	97.8	280	319	87.8
Heterosexual Women	498	3.5	404	481	84.0	393	402	97.8	292	323	90.4
Other <sup>d</sup>	208	1.5	153	199	76.9	125	132	94.7	62	75	82.7
No Risk Identified	1,126	8.0	827	1,118	74.0	814	816	99.8	388	555	69.9
Missing/Invalid	9,563	67.8	6,569	8,162	80.5	5,453	5,861	93.0	2,859	4,227	67.6
<b>TOTAL</b>	<b>14,097</b>	<b>100.0</b>	<b>10,000</b>	<b>12,505</b>	<b>80.0</b>	<b>8,734</b>	<b>9,225</b>	<b>94.7</b>	<b>4,910</b>	<b>6,641</b>	<b>73.9</b>

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline

<sup>a</sup> Excludes missing data

<sup>b</sup>MSM- Men who have sex with men

<sup>c</sup>PWID- Persons who inject drugs

<sup>d</sup>Other- Includes transgender persons, women who have sex with women, and persons who have sex with transgender persons

**Table 6. Newly Diagnosed Partners Linked to HIV Medical Care, 53 Health Departments, 2020\***

Jurisdictions	Notified Partners Tested for HIV	Partners Newly Diagnosed with HIV			Newly Diagnosed Partners Linked to HIV Medical Care		
		N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Alabama	35	18	35	51.4	14	17	82.4
Alaska	31	2	30	6.7	1	1	100.0
Arizona	245	16	244	6.6	15	15	100.0
Arkansas	24	0	24	0.0	0	0	N/A
(CA) Los Angeles	60	4	60	6.7	0	0	N/A
(CA) San Francisco	20	3	20	15.0	3	3	100.0
Colorado	117	31	117	26.5	27	28	96.4
Connecticut	0	0	0	N/A	0	0	N/A
Delaware	1	0	1	0.0	0	0	N/A
District of Columbia	11	3	11	27.3	3	3	100.0
Florida	621	0	121	0.0	0	0	N/A
Georgia	8	3	8	37.5	0	0	N/A
Hawaii	11	1	11	9.1	0	0	N/A
Idaho	0	0	0	N/A	0	0	N/A
Illinois (excludes Chicago)	0	0	0	N/A	0	0	N/A
Indiana	21	3	20	15.0	1	1	100.0
Iowa	62	12	62	19.4	6	9	66.7
Kentucky	3	0	3	0.0	0	0	N/A
Louisiana	35	2	34	5.9	2	2	100.0
Maine	0	0	0	N/A	0	0	N/A
Maryland (excludes Baltimore)	109	2	109	1.8	2	2	100.0
Baltimore	37	0	37	0.0	0	0	N/A
Massachusetts	56	2	56	3.6	2	2	100.0
Michigan	93	14	93	15.1	7	7	100.0
Mississippi	117	14	117	12.0	10	13	76.9
Missouri	42	1	38	2.6	0	0	N/A

Jurisdictions	Notified Partners Tested for HIV	Partners Newly Diagnosed with HIV			Newly Diagnosed Partners Linked to HIV Medical Care		
		N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Montana	0	0	0	N/A	0	0	N/A
Nebraska	0	0	0	N/A	0	0	N/A
Nevada	136	14	136	10.3	12	12	100.0
New Hampshire	4	2	4	50.0	2	2	100.0
New Jersey	0	0	0	N/A	0	0	N/A
New Mexico	17	1	17	5.9	1	1	100.0
New York (excludes New York City)	132	9	132	6.8	0	0	N/A
New York City (NYC)	100	8	99	8.1	5	6	83.3
North Carolina	611	227	611	37.2	99	135	73.3
North Dakota	10	2	10	20.0	1	1	100.0
Ohio	285	45	285	15.8	43	44	97.7
Oklahoma	7	0	0	N/A	0	0	N/A
Oregon	65	7	65	10.8	3	3	100.0
Pennsylvania (excludes Philadelphia)	11	10	11	90.9	0	0	N/A
Philadelphia	95	8	95	8.4	8	8	100.0
Rhode Island	24	1	24	4.2	0	0	N/A
South Dakota	6	3	6	50.0	0	0	N/A
Tennessee	39	1	19	5.3	0	0	N/A
Texas (includes Houston)	854	657	854	76.9	0	2	0.0
Virginia	538	23	530	4.3	15	15	100.0
Washington	129	7	11	63.6	5	5	100.0
West Virginia	0	0	0	N/A	0	0	N/A
Wisconsin	0	0	0	N/A	0	0	N/A
Wyoming	5	0	2	0.0	0	0	N/A
Puerto Rico	83	30	83	36.1	24	24	100.0
U.S. Virgin Islands	0	0	0	N/A	0	0	N/A

NA-Not Applicable

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline

<sup>a</sup>Excludes missing data

Table 6a. Demographic Characteristics of Newly Diagnosed Partners Linked to HIV Medical Care, 53 Health Departments,\* 2020

Demographic Characteristics	Notified Partners Tested for HIV		Partners Newly Diagnosed with HIV			Newly Diagnosed Partners Linked to HIV Medical Care		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>AGE</b>								
13-19	99	2.0	14	90	15.6	4	5	80.0
20-29	1,669	34.0	453	1,513	29.9	135	153	88.2
30-39	1,561	31.8	369	1,335	27.6	100	119	84.0
40-49	699	14.2	147	590	24.9	36	41	87.8
50+	658	13.4	149	535	27.9	29	29	100.0
Missing/Invalid	224	4.6	54	182	29.7	7	14	50.0
<b>GENDER</b>								
Male	3,744	76.3	928	3,180	29.2	251	293	85.7
Female	1,027	20.9	227	935	24.3	51	55	92.7
Transgender	48	1.0	9	42	21.4	3	4	75.0
Declined/Not asked	57	1.2	19	57	33.3	3	6	50.0
Missing/Invalid	34	0.7	3	31	9.7	3	3	100.0
<b>RACE/ETHNICITY</b>								
White	1,432	29.2	297	1,235	24.0	64	76	84.2
Black or African American	2,085	42.5	507	1,824	27.8	176	205	85.9
Hispanic or Latino	949	19.3	290	803	36.1	60	66	90.9
Asian	66	1.3	16	60	26.7	2	2	100.0
American Indian or Alaska Native	43	0.9	4	43	9.3	4	4	100.0
Native Hawaiian or Pacific Islander	11	0.2	1	10	10.0	0	0	N/A
Multi-race	57	1.2	14	51	27.5	5	8	62.5
Declined	38	0.8	6	38	15.8	0	0	N/A
Don't Know	167	3.4	48	138	34.8	0	0	N/A
Missing/Invalid	62	1.3	3	43	7.0	0	0	N/A

Demographic Characteristics	Notified Partners Tested		Partners Newly Diagnosed as HIV positive			Newly Diagnosed Partners Linked to HIV Medical Care		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>U.S. GEOGRAPHIC REGION</b>								
Northeast	422	8.6	40	421	9.5	17	18	94.4
Midwest	519	10.6	80	514	15.6	58	62	93.5
South	3,050	62.1	950	2,514	37.8	145	189	76.7
West	836	17.0	86	713	12.1	67	68	98.5
U.S. Dependent Areas	83	1.7	30	83	36.1	24	24	100.0
<b>POPULATION GROUP</b>								
MSM/PWID	39	0.8	15	34	44.1	6	7	85.7
MSM <sup>b</sup>	951	19.4	335	859	39.0	166	191	86.9
PWID <sup>c</sup>	39	0.8	15	35	42.9	7	10	70.0
Heterosexual Men	280	5.7	87	255	34.1	47	55	85.5
Heterosexual Women	292	5.9	84	275	30.5	42	44	95.5
Other <sup>d</sup>	62	1.3	15	56	26.8	7	8	87.5
No Risk Identified	388	7.9	15	383	3.9	8	9	88.9
Missing/Invalid	2,859	58.2	620	2,348	26.4	28	37	75.7
<b>TOTAL</b>	<b>4,910</b>	<b>100.0</b>	<b>1,186</b>	<b>4,245</b>	<b>27.9</b>	<b>311</b>	<b>361</b>	<b>86.1</b>

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline

<sup>a</sup> Excludes missing data

<sup>b</sup>MSM- Men who have sex with men

<sup>c</sup>PWID- Persons who inject drugs

<sup>d</sup>Other- Includes transgender persons, women who have sex with women, and persons who have sex with transgender persons

**Table 7. Partners who are HIV-negative Taking or Referred to PrEP, 53 Health Departments, 2020\***

Jurisdictions	Total Partners who are HIV-negative	Partners who are HIV-negative on PrEP			Partners who are HIV-negative Referred to PrEP <sup>b</sup>		
		N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Alabama	15	1	9	11.1	5	8	62.5
Alaska	28	1	6	16.7	3	4	75.0
Arizona	199	29	122	23.8	46	87	52.9
Arkansas	20	2	8	25.0	2	6	33.3
(CA) Los Angeles	47	0	0	N/A	0	0	N/A
(CA) San Francisco	16	2	13	15.4	5	11	45.5
Colorado	86	14	86	16.3	29	72	40.3
Connecticut	0	0	0	N/A	0	0	N/A
Delaware	1	0	1	0.0	0	1	0.0
District of Columbia	8	2	8	25.0	0	6	0.0
Florida	0	0	0	N/A	0	0	N/A
Georgia	5	0	0	N/A	0	0	N/A
Hawaii	10	1	9	11.1	5	7	71.4
Idaho	0	0	0	N/A	0	0	N/A
Illinois (excludes Chicago)	0	0	0	N/A	0	0	N/A
Indiana	15	0	0	N/A	0	0	N/A
Iowa	49	3	49	6.1	15	46	32.6
Kentucky	3	1	2	50.0	1	1	100.0
Louisiana	32	0	14	0.0	9	11	81.8
Maine	0	0	0	N/A	0	0	N/A
Maryland (excludes Baltimore)	102	19	54	35.2	19	32	59.4
Baltimore	33	7	14	50.0	2	3	66.7
Massachusetts	50	0	0	N/A	0	0	N/A
Michigan	72	7	70	10.0	23	63	36.5
Mississippi	78	1	37	2.7	9	36	25.0
Missouri	37	2	30	6.7	19	28	67.9

Jurisdictions	Total Partners who are HIV-negative	Partners who are HIV-negative on PrEP			Partners who are HIV-negative Referred to PrEP <sup>b</sup>		
		N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Montana	0	0	0	N/A	0	0	N/A
Nebraska	0	0	0	N/A	0	0	N/A
Nevada	116	2	113	1.8	43	111	38.7
New Hampshire	2	0	2	0.0	1	2	50.0
New Jersey	0	0	0	N/A	0	0	N/A
New Mexico	15	1	1	100.0	0	0	N/A
New York (excludes New York City)	107	18	107	16.8	0	89	0.0
New York City (NYC)	79	20	79	25.3	9	24	37.5
North Carolina	266	10	266	3.8	38	256	14.8
North Dakota	8	0	8	0.0	4	8	50.0
Ohio	137	2	17	11.8	7	14	50.0
Oklahoma	0	0	0	N/A	0	0	N/A
Oregon	58	0	0	N/A	0	0	N/A
Pennsylvania (excludes Philadelphia)	1	0	1	0.0	1	1	100.0
Philadelphia	79	17	54	31.5	27	37	73.0
Rhode Island	22	2	20	10.0	8	17	47.1
South Dakota	0	0	0	N/A	0	0	N/A
Tennessee	18	0	15	0.0	0	4	0.0
Texas (includes Houston)	190	0	2	0.0	0	2	0.0
Virginia	287	0	0	N/A	0	0	N/A
Washington	0	0	0	N/A	0	0	N/A
West Virginia	0	0	0	N/A	0	0	N/A
Wisconsin	0	0	0	N/A	0	0	N/A
Wyoming	2	0	0	N/A	0	0	N/A
Puerto Rico	43	6	39	15.4	29	33	87.9
U.S. Virgin Islands	0	0	0	N/A	0	0	N/A
<b>Total</b>	<b>2,336</b>	<b>170</b>	<b>1,256</b>	<b>13.5</b>	<b>359</b>	<b>1,020</b>	<b>35.2</b>

NA-Not Applicable

\*California, Chicago, Kansas, Minnesota, South Carolina, Utah, and Vermont are not represented in the report because complete data were not available by the NHM&E data submission deadline

<sup>a</sup>Excludes missing data

<sup>b</sup> Only partners who reported that they were not currently taking PrEP were included in the denominator

**Table 7a. Demographic Characteristics of Partners who are HIV-negative Taking or Referred to PrEP, 53 Health Departments, 2020\***

Demographic Characteristics	Total Partners who are HIV negative		Partners who are HIV negative Taking PrEP			Partners who are HIV negative Referred to PrEP <sup>d</sup>		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>AGE</b>								
13-19	67	2.9	2	34	5.9	10	32	31.3
20-29	830	35.5	57	438	13.0	149	365	40.8
30-39	698	29.9	66	375	17.6	98	285	34.4
40-49	335	14.3	26	183	14.2	44	149	29.5
50+	292	12.5	14	144	9.7	43	120	35.8
Missing/Invalid	114	4.9	5	82	6.1	15	69	21.7
<b>GENDER</b>								
Male	1,634	69.9	132	858	15.4	255	685	37.2
Female	615	26.3	27	339	8.0	90	289	31.1
Transgender	25	1.1	5	13	38.5	2	8	25.0
Declined/Not Asked	36	1.5	4	28	14.3	3	22	13.6
Missing/Invalid	26	1.1	2	18	11.1	9	16	56.3
<b>RACE/ETHNICITY</b>								
White	786	33.6	54	432	12.5	128	367	34.9
Black or African American	887	38.0	57	481	11.9	119	396	30.1
Hispanic or Latino	412	17.6	36	223	16.1	82	173	47.4
Asian	37	1.6	2	21	9.5	3	15	20.0
American Indian or Alaska Native	35	1.5	4	16	25.0	8	11	72.7
Native Hawaiian or Pacific Islander	7	0.3	0	6	0.0	4	6	66.7
Multi-race	28	1.2	2	20	10.0	4	18	22.2
Declined	32	1.4	3	9	33.3	1	5	20.0
Don't Know	80	3.4	10	39	25.6	9	24	37.5
Missing/Invalid	32	1.4	2	9	22.2	1	5	20.0

Demographic Characteristics	Total Partners who are HIV negative		Partners who are HIV negative Taking PrEP			Partners who are HIV negative Referred to PrEP <sup>e</sup>		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>U.S. GEOGRAPHIC REGION</b>								
Northeast	340	14.6	57	263	21.7	46	170	27.1
Midwest	318	13.6	14	174	8.0	68	159	42.8
South	1,058	45.3	43	430	10.0	85	366	23.2
West	577	24.7	50	350	14.3	131	292	44.9
U.S. Dependent Areas	43	1.8	6	39	15.4	29	33	87.9
<b>POPULATION GROUP</b>								
MSM/PWID	9	0.4	3	7	42.9	1	3	33.3
MSM <sup>b</sup>	278	11.9	41	231	17.7	90	176	51.1
PWID <sup>c</sup>	15	0.6	1	10	10.0	3	8	37.5
Heterosexual Men	110	4.7	6	87	6.9	27	70	38.6
Heterosexual Women	144	6.2	12	121	9.9	44	95	46.3
Other <sup>d</sup>	31	1.3	5	21	23.8	8	15	53.3
No Risk Identified	314	13.4	21	313	6.7	44	290	15.2
Missing/Invalid	1,435	61.4	81	466	17.4	142	363	39.1
<b>TOTAL</b>	<b>2,336</b>	<b>100.0</b>	<b>170</b>	<b>1,256</b>	<b>13.5</b>	<b>359</b>	<b>1020</b>	<b>35.2</b>

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<sup>a</sup> Excludes missing data

<sup>b</sup> MSM – Men who have sex with men

<sup>c</sup> PWID – Persons who inject drugs

<sup>d</sup> Other – Includes transgender persons, women who have sex with women, and persons who have sex with transgender persons

<sup>e</sup> Only partners who reported that they were not currently taking PrEP were included in the denominator