

# **PARTNER SERVICES ANNUAL REPORT 2018**

## **Centers for Disease Control and Prevention**

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

**Program Evaluation Branch**

## Acknowledgements

The report was prepared by Michele Rorie, Wei Song, Hui Zhang, Mesfin S. Mulatu, and Shubha Rao.

Publication of this report would not have been possible without the hard work and dedication of the state, territorial, and local health departments that collected and submitted the National HIV Prevention Program Monitoring and Evaluation Partner Services data. We would also like to acknowledge the contributions of the Prevention Program Branch and the Data Management Team within the Quantitative Sciences and Data Management Branch as well as Cecily Mbaka (Northrop Grumman), Lisa Belcher and Janet Heitgerd from the Program Evaluation Branch.

## For more information, contact:

### Division of HIV/AIDS Prevention

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

U.S. Centers for Disease Control and Prevention

1600 Clifton Road NE MS E-59

Atlanta, GA 30333

Phone: 1-800-CDC-INFO Web address: <http://www.cdc.gov/HIV>

### National HIV Prevention Program Monitoring and Evaluation Service Center

Phone: 1-855-374-7310

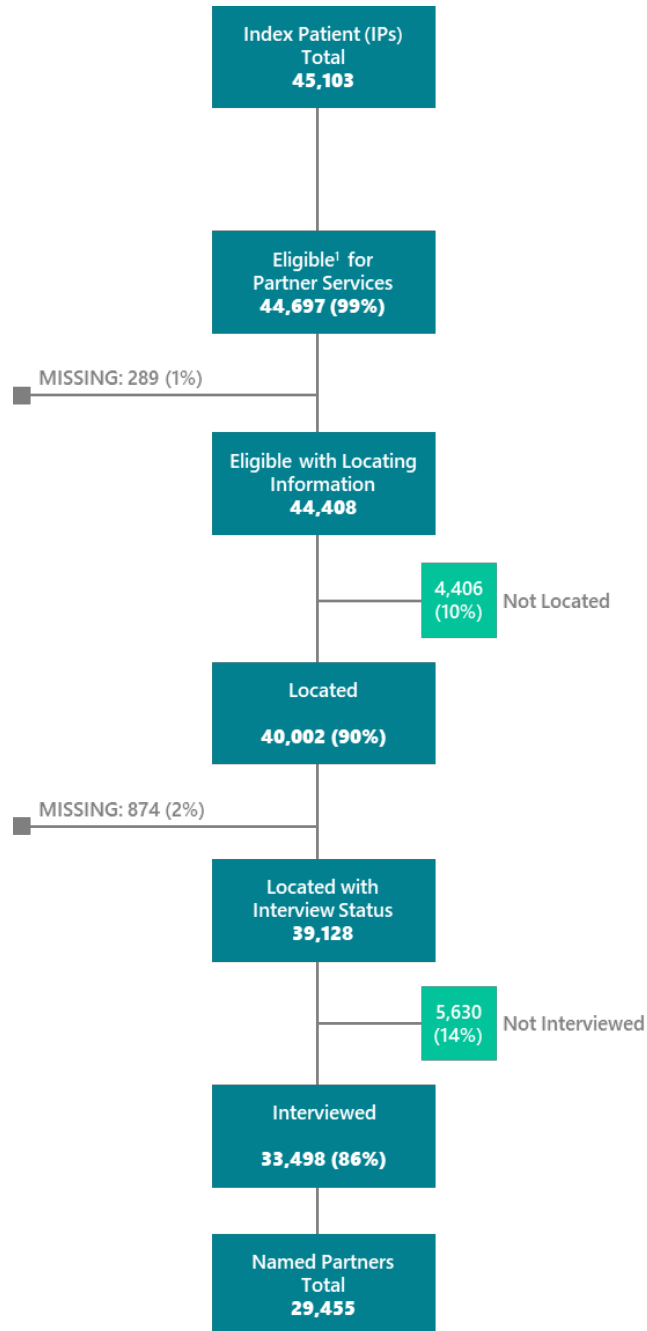
Email: [NHMEservice@cdc.gov](mailto:NHMEservice@cdc.gov)

# Partner Services

2018 Report Highlights	4
Introduction	6
Methods	7
Findings	8
<b>Index Patients</b>	<b>8</b>
A. Who was Eligible for Partner Services?	8
B. How Effective are Partner Services Programs in Locating and Interviewing Index Patients with HIV?	8
<b>Partners</b>	<b>9</b>
A. How Effective are Partner Services Programs in Notifying Partners of Their Potential HIV Exposure?	9
B. How Effective are Partner Services Programs in Testing Notified Partners and Identifying HIV?	10
C. How Effective are Partner Services Programs in Linking HIV-Positive Partners to HIV Medical Care Services?	11
Interpretation of the Data	11
Terms	13
Appendix- Tables	
▪ Table 1. Overview of Key Partner Services Indicators, 59 Health Departments, 2018	14
▪ Table 2. Index Patients Offered Partner Services, 59 Health Departments, 2018	16
▪ Table 3. Demographic and Risk Behavior Characteristics of Index Patients Offered Partner Services, 59 Health Departments, 2018	18
▪ Table 4. Partners Elicited by and Tested Through Partner Services, 59 Health Departments, 2018	20
▪ Table 5. Demographic and Risk Behavior Characteristics of Partners Elicited by and Tested Through Partner Services, 59 Health Departments, 2018	22
▪ Table 6. Newly Identified HIV-positive Partners Linked to HIV Medical Care, 59 Health Departments, 2018	24
▪ Table 7. Demographic and Risk Behavior Characteristics of Newly Identified HIV-positive Partners Linked to HIV Medical Care, 59 Health Departments, 2018	26

# 2018 REPORT HIGHLIGHTS\*

In 2018, 45,103 index patients were identified across all HIV Partner Services programs, and of the 33,498 interviewed, they named a total of 29,455 partners.



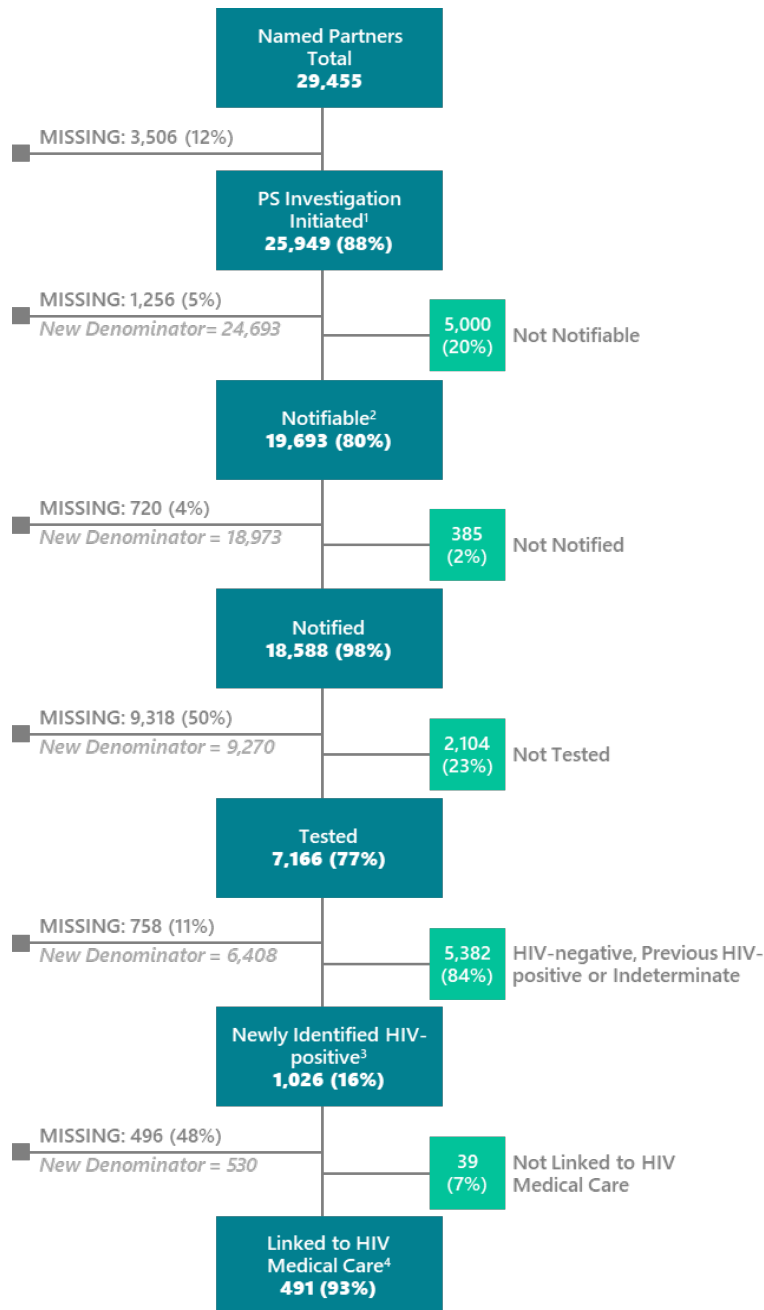
**Data Source:** NHM&E Partner Services data (January 1, 2018- December 31, 2018) as of September 16, 2019

\*This report focuses on percentages 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.

# 2018 REPORT HIGHLIGHTS\*

Of the 6,408 partners tested with a documented HIV test result, 16% (1,026) were newly identified as HIV-positive. Of the total named partners, 3.5% were newly identified as HIV positive. (1,026/29,455).



**Data Source:** NHM&E Partner Services data (January 1, 2018-December 31, 2018) as of September 16, 2019

\*This report focuses on percentages calculated by excluding missing data, thus possibly overestimating the true values for the indicators.

<sup>1</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 diagnosed with HIV. 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 that are not known to be HIV-positive, out of jurisdiction, deceased, or potentially violent.

<sup>3</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>4</sup> The referring agency confirmed that the client accessed the HIV medical care to which he/she was referred. The denominator excludes missing data as well as "pending," "lost to follow-up," "no follow-up," and "don't know" options.

## Introduction

In 2018, 37,515 persons were newly diagnosed with HIV in the United States.<sup>1</sup> Many infections occurred following exposure to HIV from persons who were infected but not receiving medical care.<sup>2</sup> Some of these persons had not yet been diagnosed, others had been diagnosed but were never linked to HIV medical care, and still others were linked to HIV medical care but were subsequently lost to medical follow-up. The most 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 while in care is key to improving health outcomes for people with HIV, and once sustained viral suppression is achieved, there is effectively no risk of sexually transmitting HIV.

Partner services is a key strategy for identifying persons with HIV—those undiagnosed and those previously diagnosed who are not receiving HIV medical care—and helping them access care and treatment. All persons with newly diagnosed HIV should receive partner services to help them identify sex and needle-sharing partners who may also be infected or may be at very high-risk for becoming infected.<sup>3</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 preexposure prophylaxis (PrEP) and other prevention services.

Partner services can also help persons living with HIV and their partners address other needs, such as reducing behavioral risk for transmitting or acquiring HIV; accessing treatment for mental health issues and substance abuse; and obtaining social services to address unmet housing, transportation, employment, and other needs.

This report summarizes the 2018 client-level partner services data submitted by CDC-funded jurisdictions in the United States and two dependent areas (i.e., Puerto Rico and U.S. Virgin Islands).

<sup>1</sup> Centers for Disease Control and Prevention. *HIV Surveillance Report, 2018*; vol. 31. <https://www.cdc.gov/hiv/library/reports/hiv-surveillance/vol-31/index.html>. Accessed May 2020.

<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. *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 yearly. CDC uses these data to monitor HIV PS program performance at the national level. Data are reported through EvaluationWeb<sup>®</sup>, a secure, web-based software tool made available to recipients by CDC. The data undergo a quality assurance process and are then used to calculate program performance indicators at the national and jurisdictional levels to assess progress at each step of the partner services process. Indicators are stratified by age, gender, race/ethnicity, population group<sup>4</sup>, and geographic region<sup>5</sup> as defined by the U.S. Census Bureau. Behavioral risk data used to define the population group is only required and reported for persons diagnosed with HIV.

The source for this report is a dataset generated from NHM&E Partner Services cases opened January 1 – December 31, 2018 and reported to CDC as of September 2019. Analyses for all tables in this report are based on NHM&E client-level partner services data reported to CDC. 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
3. Partner testing
  - Percentage of notified partners who were tested
  - Percentage of tested partners who were newly diagnosed with HIV
4. Linkage to HIV medical care
  - Percentage of partners newly diagnosed with HIV who were linked to HIV medical care

Indicators were calculated and reported for those records with complete data. This report focuses on percentages calculated by excluding missing data<sup>6</sup>, thus possibly overestimating the true values for the indicators.

---

<sup>4</sup> Population Groups are categorized as follows: men who have sex with men and report injection drug use, men who have sex with men, transgender persons who report injection drug use, transgender persons, persons who inject drugs, heterosexual males, and heterosexual females.

<sup>5</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

<sup>6</sup> Linkage to HIV medical care also excludes “pending,” “lost to follow-up,” “no follow-up,” and “don’t know” options.

## Findings

This report summarizes the 2018 client-level partner services data from 59 of the 60 CDC-funded state and local health departments in the United States, Puerto Rico, and the U.S. Virgin Islands. Findings from Minnesota are not included in this report because their data were not available at the NHM&E data submission deadline.

### INDEX PATIENTS

#### **Who Was Eligible for Partner Services?**

Almost all (99%) index patients identified by partner service programs were **eligible for HIV partner services** (Table 2).

- **Age:** The highest percentage of eligible index patients were in the age group 20-29 years (32%) followed by 30-39 (29%). Only 2% of index patients were 19 years of age or younger (Table 3).
- **Gender:** The majority of index patients were male (83%), with females and transgender persons accounting for 15% and 1%, respectively (Table 3).
- **Race/Ethnicity:** A high percentage of index patients were black/African American (43%), followed by white (27%), and Hispanic/Latino (22%) (Table 3).
- **U.S. Geographic Region:** More than half (54%) of index patients lived in the South (Table 3).
- **Population Groups:** Gay, bisexual, and other men who have sex with men (collectively referred to as MSM) accounted for 39% of index patients in 2018. However, behavioral risk information for a high proportion of index patients was missing, not asked, or unknown (38%) (Table 3).

#### **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*

A total of 40,002 (90%) eligible index patients were located. Of those 39,128 had information about their partner services enrollment status, **33,498 (86%)** were **interviewed to elicit partner names** (Table 2).

- **Age:** Eligible index patients aged 13-19 were most often located and interviewed (94% and 91%, respectively); followed closely by index patients aged 20-29 (92% and 88%, respectively) (Table 3).
- **Gender:** Females and males were located at the same percentage (90%). A higher percentage of females (89%) were interviewed than transgender persons (86%) and males (85%), (Table 3).



- **Race/Ethnicity:** Multi-racial (94%), Asian (93%) and Hispanic/Latino (92%) index patients were located most often. Although black/African American and white index patients were located at the same percentage (90%), whites had a lower percentage for partner services interviews (81%) (Table 3).
- **U.S. Geographic Region:** Almost all (99%) of index patients were located and interviewed for partner services in U.S. dependent areas. Index patients in the West were interviewed at the lowest percentage (71%) (Table 3).
- **Population Groups:** All population groups were located at or above 95% except for transgender persons (87%). Heterosexual women and men were interviewed most often (97% and 94%, respectively); transgender (86%) and transgender persons who inject drugs (80%) were least often (Table 3).

## PARTNERS

A total of **29,455 sex and/or needle-sharing partners** were named by index patients during the interview process. Four performance indicators were calculated to answer key partner services program evaluation questions.

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

**Indicator:** *Percentage of notifiable partners who were notified*

Of the 29,455 partners that were named, 25,949 (88%) were initiated for partner services. Of the partners who were initiated for partner services, 1,256 records (5%) contained missing data on notifiability and were excluded. Another 5,000 (20%) partners were found to be not notifiable because they were either previously known to be HIV-positive, out of jurisdiction, deceased, or potentially violent. The remaining 19,693 (80%) partners were considered notifiable. Of the 18,973 notifiable partners with a notification method reported, a total of 18,588 (**98%**) were **notified of their potential HIV exposure** (Table 4).

- **Age:** The highest percentage of partners initiated for partner services were in the age groups 20- 29 and 30-39 (32% and 28%, respectively). Notification of partners was more than 97% for all age groups except those younger than age 13 (95%) (Table 5).
- **Gender:** Of the partners initiated for partner services, 81% were male and 16% were female. Transgender persons accounted for less than 1% of initiated partners. The percentage of male, female, and transgender partners notified was at or above 97% (Table 5).
- **Race/Ethnicity:** A large percentage of partners initiated for partner services were black/African American (40%); whites accounted for 29% and Hispanic/Latino for 20% (Table 5). There was at least 95% notification of partners for all racial/ethnic groups except those identifying as multi-racial (91%).

- **U.S. Geographic Region:** The majority of partners initiated for partner services lived in the South (59%). The Midwest had the lowest percentage of partners notified (85%) while the U.S dependent areas reported 100% notification (Table 5).
- **Population Groups:** Overall, 10% of all named partners initiated for partner services were MSM. All population groups were notified at or above 97% (Table 5). Behavioral risk data were only required to be reported for HIV-positive partners; 80% of partners were missing these data and could not be categorized.

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

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

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

Of the 9,270 notified partners with HIV test information (9,318 records were excluded due to missing data), **77% (7,166) were tested for HIV** (Table 4). Of the 6,408 partners tested with a documented HIV test result (758 records were excluded for missing data), **16% (1,026) were newly identified as HIV-positive** (Table 6). Even including all named partners into the denominator, partner services programs in CDC-funded health departments show a **3.5% yield of HIV-positive persons** (1,026/29,455).

- **Age:** Notified partners under the age of 13 were tested the most frequently (92%) while all other age groups ranged 78-80% (Table 5). Of the notified partners tested, 38% were aged 20 to 29 and 28% were aged 30 to 39. Partners aged 20 to 29 had the highest percentage of being identified as HIV-positive (18%) (Table 7).
- **Gender:** Notified female partners were tested for HIV (85%) at a similar percentage as transgender partners (84%), while the percentage of male partners tested was lower (76%) (Table 5). Transgender partners were the least likely to test HIV-positive (8%) compared with female (12%) and male (17%) partners (Table 7).
- **Race/Ethnicity:** Although notified black/African American partners were tested for HIV (75%) at a lower percentage than Hispanic/Latino (83%) and white partners (80%) (Table 5), they were more frequently newly identified as HIV-positive (18%) compared with white (15%) and Hispanic/Latino partners (15%) (Table 7).
- **U.S. Geographic Region:** U.S. Dependent Areas had the highest percentage of notified partners tested for HIV (97%) and the West had the lowest (71%) (Table 5). The highest percentage of partners newly identified as HIV-positive was in the Midwest (23%), followed by the U.S. dependent areas (19%) and the South (16%) (Table 7).
- **Population Group:** Approximately 71% of partners were missing risk data and could not be categorized. All notified partners with identified risks had testing percentages at or above 82%

except for MSM (77%) (Table 5). The highest percentages of newly diagnosed HIV-positive partners were among MSM/PWID (49%) and persons who inject drugs (PWID) (40%) (Table 7).

## How Effective Are Partner Services Programs in Linking HIV-Positive Partners to HIV Medical Care Services?

**Indicator:** *Percentage of partners newly diagnosed 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. In 2018, a total of 1,026 partners from all partner services programs were newly identified as HIV-positive. Of the 530 newly identified HIV-positive partners with follow-up information to verify that services were accessed (496 records or 48% were excluded for missing data or a non-confirmed care status), **491 (93%)** were **linked to HIV medical care** (Table 6).

- **Age:** Newly identified HIV-positive partners in every age group had a linkage to HIV medical care percentage of 93% or higher (Table 7).
- **Gender:** Female and male newly identified HIV-positive partners had similar linkage to HIV medical care percentages at 94% and 93%, respectively. All three newly identified HIV-positive transgender partners were linked (Table 7).
- **Race/Ethnicity:** Newly identified HIV-positive Hispanic/Latino partners were linked to HIV medical care at 98% followed by 96% of white partners and 88% of black/African American partners (Table 7).
- **U.S. Geographic Region:** All (25) newly identified HIV-positive partners who lived in U.S. dependent areas were linked to HIV medical care. Percentages were at or above 89% in the other regions except for the Northeast (77%) (Table 7).
- **Population Group:** Among newly identified HIV-positive partners with behavioral risk information, those categorized as MSM/PWID, transgender and PWID were linked at 100% with linkage percentages for all other groups higher than 94% (Table 7).

## Interpretation of the Data

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

- In the 2018 partner services data, several key variables used to calculate program performance indicators had **missing data** ranging between **2% and 48%** of the total records.

• Enrollment Status for Index Patients	<b>2%</b>
• Partner Notifiability	<b>5%</b>
• Partner Notification	<b>4%</b>
• HIV Test Performed for Partners	<b>50%</b>
• Test Results for Partners	<b>11%</b>
• Linkage to HIV Medical Care	<b>48%</b>

- This report focuses on percentages 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, Test Results for Partners, and Linkage to HIV Medical Care).
- In addition, other important variables that are required to describe the indicators by demographic and other population groups (particularly behavioral risk) had a significant amount of missing data. While results for partner HIV testing, identification of previously undiagnosed HIV, and linkage to care for newly diagnosed HIV-positive persons indicate success, interpretations are limited by incompleteness of data. There is a need to further strengthen data systems to improve data completeness and our assessment of partner services program nationally.
- There are at least three factors that contributed to missing data.
  - The first is the varied data collection systems used by recipients. 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 utilize commercially available systems (e.g., PRISM, Maven, PartnerServicesWeb®), some of which are missing key variables needed to calculate partner services program performance indicators. HIV testing and linkage to HIV medical care variables for partners newly identified with HIV were among the most missing variables in these systems.
  - The second is that 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 their newly identified partners to HIV medical care during the semi-annual quality assurance process, their partner services data submitted to CDC do not reflect this for a variety of reasons. For example, missing data on linkage to HIV medical care may be due to program infrastructure limitations, making it difficult to confirm if a person has attended their first HIV medical appointment.

- Lastly, data-sharing across jurisdictions has been cited as a barrier for reporting. In an effort to create a more comprehensive data collection tool, CDC developed the National Electronic Disease Surveillance (NEDSS) Base System or NBS, which connects state and local levels of public health to laboratories and health care providers. Several health departments have implemented NBS and the enhanced data-sharing relationship has been helpful in increasing reporting and reducing the amount of missing information.

## 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 enough information such as an address, phone number, email address, screenname, etc. to offer Partner Services.

**Initiated-** Partners named for whom a record was created in the National HIV Prevention Program Monitoring and Evaluation (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.

**National HIV Prevention Program Monitoring and Evaluation (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.

TABLE 1. Overview of Key Partner Services Indicators, 59 Health Departments\*, 2018

Jurisdictions	Index Patients		Partners			
	Number of Index Patients	Index Patients Interviewed	Number of Partners	Partners Tested for HIV	Newly Identified HIV-Positive Partners	Newly Identified Partners Linked to Care
Alabama	833	404	653	152	0	29
Alaska	74	72	138	90	1	2
Arizona	1,320	1,104	761	273	25	11
Arkansas	322	297	324	145	6	3
California (excludes LA and SF)	2,265	185	129	30	2	2
Los Angeles	2,178	1,797	487	131	10	3
San Francisco	274	179	255	58	4	4
Colorado	400	338	363	190	50	40
Connecticut	148	102	102	44	23	0
Delaware	98	62	27	5	0	0
District of Columbia	150	94	27	4	1	0
Florida	8,619	6,911	3,704	1,637	81	38
Georgia	289	206	116	55	10	3
Hawaii	80	65	60	10	3	0
Idaho	53	15	56	0	0	0
Illinois (excludes Chicago)	1,009	399	72	4	0	0
Chicago <sup>#</sup>	484	414	270	78	11	
Indiana	97	97	127	27	23	29
Iowa	115	97	219	73	8	5
Kansas	95	79	345	77	77	26
Kentucky	851	448	434	0	0	0
Louisiana	1,120	770	657	246	21	14
Maine	45	16	31	0	0	0
Maryland (excludes Baltimore)	1,618	1,369	458	191	7	2
Baltimore	497	397	190	74	2	1
Massachusetts	273	116	153	6	2	0
Michigan	1,074	816	487	99	5	3
Mississippi	1,118	961	692	310	22	9
Missouri	424	378	280	86	7	6

Jurisdictions	Index Patients		Partners			
	Number of Index Patients	Index Patients Interviewed	Number of Partners	Partners Tested for HIV	Newly Identified HIV-Positive Partners	Newly Identified Partners Linked to Care
Montana	22	17	89	0	0	0
Nebraska	64	43	72	17	0	0
Nevada	1,157	1,049	822	228	27	16
New Hampshire	38	34	40	10	1	0
New Jersey	576	329	92	8	0	7
New Mexico	130	103	55	29	1	8
New York (excludes NYC)	590	469	555	262	18	8
New York City	2,458	2,208	1,077	132	20	32
North Carolina	1,914	1,815	1,681	754	381	47
North Dakota	39	39	38	18	0	0
Ohio	1,007	822	794	356	68	59
Oklahoma	62	59	106	18	1	0
Oregon	271	185	178	52	4	0
Pennsylvania (excludes Philadelphia)	427	420	271	50	28	16
Philadelphia	1,153	755	778	247	14	10
Rhode Island	77	69	129	48	0	4
South Carolina	611	584	1	0	0	73
South Dakota	38	38	10	10	4	3
Tennessee	1,046	938	445	107	7	0
Texas (includes Houston)	4,129	3,251	4,922	302	0	0
Utah	118	67	3	0	0	0
Vermont	3	2	3	1	1	0
Virginia	1,107	874	953	83	5	0
Washington	1,313	595	529	79	6	1
West Virginia	24	22	29	13	0	0
Wisconsin	481	218	161	53	4	8
Wyoming	9	9	5	5	0	0
Puerto Rico	312	295	493	189	35	41
U.S. Virgin Islands#	4	1	1	0	0	0

\*Minnesota is not represented  
#Partial Submission

TABLE 2. Index Patients Offered Partner Services (PS), 59 Health Departments\*, 2018

Jurisdictions	Number of Index Patients	Number of Index Patients Eligible for PS		Number of Index Patients Located			Number of Index Patients Interviewed		
		N	%	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Alabama	833	830	99.6	506	830	61.0	404	415	97.3
Alaska	74	74	100.0	73	74	98.6	72	73	98.6
Arizona	1,320	1,320	100.0	1,176	1,320	89.1	1,104	1,176	93.9
Arkansas	322	322	100.0	310	321	96.6	297	310	95.8
California (excludes LA and SF)	2,265	2,265	100.0	2,265	2,265	100.0	185	2,265	8.2
Los Angeles	2,178	2,176	99.9	1,824	2,176	83.8	1,797	1,824	98.5
San Francisco	274	274	100.0	198	274	72.3	179	198	90.4
Colorado	400	400	100.0	400	400	100.0	338	400	84.5
Connecticut	148	148	100.0	129	148	87.2	102	108	94.4
Delaware	98	93	94.9	66	93	71.0	62	66	93.9
District of Columbia	150	145	96.7	111	145	76.6	94	109	86.2
Florida	8,619	8,619	100.0	7,920	8,619	91.9	6,911	7,920	87.3
Georgia (excludes Atlanta)	289	289	100.0	206	289	71.3	206	206	100.0
Hawaii	80	80	100.0	70	76	92.1	65	68	95.6
Idaho	53	52	98.1	40	52	76.9	15	24	62.5
Illinois (excludes Chicago)	1,009	861	85.3	529	861	61.4	399	502	79.5
Chicago	484	484	100.0	419	484	86.6	414	419	98.8
Indiana	97	97	100.0	97	97	100.0	97	97	100.0
Iowa	115	113	98.3	109	113	96.5	97	107	90.7
Kansas	95	95	100.0	92	95	96.8	79	92	85.9
Kentucky	851	841	98.8	548	841	65.2	448	451	99.3
Louisiana	1,120	1,022	91.3	808	1,022	79.1	770	770	100.0
Maine	45	45	100.0	23	45	51.1	16	22	72.7
Maryland (excludes Baltimore)	1,618	1,618	100.0	1,440	1,618	89.0	1,369	1,439	95.1
Baltimore	497	497	100.0	429	497	86.3	397	429	92.5
Massachusetts	273	269	98.5	230	264	87.1	116	230	50.4
Michigan	1,074	1,067	99.3	942	1,024	92.0	816	889	91.8
Mississippi	1,118	1,118	100.0	993	1,118	88.8	961	993	96.8
Missouri	424	421	99.3	401	421	95.2	378	401	94.3
Montana	22	22	100.0	18	22	81.8	17	17	100.0



Jurisdictions	Number of Index Patients	Number of Index Patients Eligible for PS		Number of Index Patients Located			Number of Index Patients Interviewed		
		N	%	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Nebraska	64	64	100.0	61	64	95.3	43	50	86.0
Nevada	1,157	1,156	99.9	1,156	1,156	100.0	1,049	1,154	90.9
New Hampshire	38	38	100.0	38	38	100.0	34	37	91.9
New Jersey	576	568	98.6	531	544	97.6	329	396	83.1
New Mexico	130	130	100.0	107	130	82.3	103	107	96.3
New York (excludes NYC)	590	590	100.0	569	590	96.4	469	537	87.3
New York City	2,458	2,410	98.0	2,283	2,410	94.7	2,208	2,283	96.7
North Carolina	1,914	1,914	100.0	1,815	1,914	94.8	1,815	1,815	100.0
North Dakota	39	39	100.0	39	39	100.0	39	39	100.0
Ohio	1,007	1,007	100.0	1,007	1,007	100.0	822	1,000	82.2
Oklahoma	62	62	100.0	59	59	100.0	59	59	100.0
Oregon	271	265	97.8	185	265	69.8	185	185	100.0
Pennsylvania (excludes Philadelphia)	427	427	100.0	420	427	98.4	420	420	100.0
Philadelphia	1,153	1,144	99.2	949	1,144	83.0	755	949	79.6
Rhode Island	77	75	97.4	72	75	96.0	69	72	95.8
South Carolina	611	611	100.0	611	611	100.0	584	611	95.6
South Dakota	38	38	100.0	38	38	100.0	38	38	100.0
Tennessee	1,046	1,041	99.5	968	1,041	93.0	938	953	98.4
Texas (includes Houston)	4,129	4,129	100.0	4,092	4,127	99.2	3,251	4,092	79.4
Utah	118	97	82.2	79	97	81.4	67	79	84.8
Vermont	3	3	100.0	2	2	100.0	2	2	100.0
Virginia	1,107	1,102	99.5	1,036	1,095	94.6	874	1,036	84.4
Washington	1,313	1,301	99.1	922	1,213	76.0	595	619	96.1
West Virginia	24	24	100.0	24	24	100.0	22	24	91.7
Wisconsin	481	481	100.0	246	371	66.3	218	242	90.1
Wyoming	9	9	100.0	9	9	100.0	9	9	100.0
Puerto Rico	312	312	100.0	311	312	99.7	295	299	98.7
U.S. Virgin Islands	4	3	75.0	1	2	50.0	1	1	100.0
<b>TOTAL</b>	<b>45,103</b>	<b>44,697</b>	<b>99.1</b>	<b>40,002</b>	<b>44,408</b>	<b>90.1</b>	<b>33,498</b>	<b>39,128</b>	<b>85.6</b>

<sup>a</sup>Minnesota is not represented

<sup>a</sup>Excludes missing data.

Table 3. Demographic and Risk Behavior Characteristics of Index Patients Offered Partner Services (PS), 59 Health Departments\*, 2018

Demographic and Risk 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	55	0.1	41	54	75.9	12	21	57.1
13-19	1,030	2.3	960	1,027	93.5	860	943	91.2
20-29	14,141	31.6	12,910	14,080	91.7	11,203	12,688	88.3
30-39	12,851	28.8	11,464	12,765	89.8	9,544	11,213	85.1
40-49	7,784	17.4	6,869	7,732	88.8	5,596	6,699	83.5
50+	8,575	19.2	7,533	8,499	88.6	6,079	7,341	82.8
Missing/Invalid	261	0.6	225	251	89.6	204	223	91.5
<b>GENDER</b>								
Male	37,039	82.9	33,195	36,828	90.1	27,606	32,515	84.9
Female	6,746	15.1	6,008	6,691	89.8	5,201	5,833	89.2
Transgender	630	1.4	549	626	87.7	464	540	85.9
Other	4	0.0	3	4	75.0	2	3	66.7
Declined/Not Asked	172	0.4	155	162	95.7	146	152	96.1
Missing/Invalid	106	0.2	92	97	94.8	79	85	92.9
<b>RACE/ETHNICITY</b>								
White	12,228	27.4	10,869	12,138	89.5	8,589	10,580	81.2
Black or African American	19,092	42.7	17,088	18,999	89.9	14,960	16,705	89.6
Hispanic or Latino	9,888	22.1	9,075	9,836	92.3	7,769	8,957	86.7
Asian	826	1.8	759	817	92.9	574	743	77.3
American Indian or Alaska Native	238	0.5	213	238	89.5	182	211	86.3
Native Hawaiian or Pacific Islander	77	0.2	70	77	90.9	57	70	81.4
Multi-race	356	0.8	330	353	93.5	287	325	88.3
Declined	22	0.0	20	22	90.9	17	20	85.0
Don't Know	1,579	3.5	1,251	1,551	80.7	803	1,222	65.7
Missing/Invalid	391	0.9	327	377	86.7	260	295	88.1

Demographic and Risk 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	5,717	12.8	5,246	5,687	92.2	4,520	5,056	89.4
Midwest	4,767	10.7	3,980	4,614	86.3	3,440	3,876	88.8
South	24,277	54.3	21,942	24,264	90.4	19,462	21,698	89.7
West	9,621	21.5	8,522	9,529	89.4	5,780	8,198	70.5
U.S. Dependent Areas	315	0.7	312	314	99.4	296	300	98.7
<b>POPULATION GROUPS</b>								
MSM/PWID	765	1.7	741	756	98.0	665	735	90.5
MSM <sup>b</sup>	17,234	38.6	16,865	17,163	98.3	14,942	16,788	89.0
Transgender/PWID	26	0.1	25	25	100.0	20	25	80.0
Transgender	604	1.4	524	601	87.2	444	515	86.2
PWID <sup>c</sup>	929	2.1	880	924	95.2	792	865	91.6
Heterosexual Men	3,318	7.4	3,246	3,307	98.2	3,039	3,232	94.0
Heterosexual Women	3,182	7.1	3,112	3,167	98.3	2,993	3,099	96.6
No Risk	1,620	3.6	1,526	1,617	94.4	1,103	1,472	74.9
Missing/Invalid	17,019	38.1	13,083	16,848	77.7	9,500	12,397	76.6
<b>TOTAL</b>	<b>44,697</b>	<b>100.0</b>	<b>40,002</b>	<b>44,408</b>	<b>90.1</b>	<b>33,498</b>	<b>39,128</b>	<b>85.6</b>

\*Minnesota is not represented

<sup>a</sup>Excludes missing data

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

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

**Table 4. Partners Elicited by and Tested Through Partner Services (PS), 59 Health Departments\*, 2018**

Jurisdictions	Named Partner Initiated for PS	Named Partners Who Were Notifiable			Notified Partners			Notified Partners Tested		
	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	653	152	255	59.6	152	152	100.0	152	152	100.0
Alaska	138	127	138	92.0	119	119	100.0	90	106	84.9
Arizona	761	698	761	91.7	587	587	100.0	273	388	70.4
Arkansas	324	285	324	88.0	265	266	99.6	145	197	73.6
California (excludes LA SF)	129	103	129	79.8	102	103	99.0	30	33	90.9
Los Angeles	487	262	483	54.2	262	262	100.0	131	262	50.0
San Francisco	255	138	255	54.1	95	111	85.6	58	95	61.1
Colorado	363	259	363	71.3	248	257	96.5	190	248	76.6
Connecticut	102	75	98	76.5	56	71	78.9	44	44	100.0
Delaware	27	22	27	81.5	18	21	85.7	5	5	100.0
District of Columbia	27	22	27	81.5	19	20	95.0	4	10	40.0
Florida	3,704	3,473	3,704	93.8	3,472	3,473	100.0	1,637	1,782	91.9
Georgia (excludes Atlanta)	116	113	116	97.4	111	111	100.0	55	111	49.5
Hawaii	60	34	52	65.4	33	34	97.1	10	10	100.0
Idaho	56	0	6	0.0	0	0	N/A	0	0	N/A
Illinois (excludes Chicago)	72	43	72	59.7	42	43	97.7	4	42	9.5
Chicago	270	154	270	57.0	154	154	100.0	78	154	50.6
Indiana	127	27	126	21.4	27	27	100.0	27	27	100.0
Iowa	219	171	219	78.1	167	171	97.7	73	73	100.0
Kansas	345	345	345	100.0	77	345	22.3	77	77	100.0
Kentucky	434	22	219	10.0	22	22	100.0	0	0	N/A
Louisiana	657	492	657	74.9	488	492	99.2	246	488	50.4
Maine	31	0	6	0.0	0	0	N/A	0	0	N/A
Maryland (excludes Baltimore)	458	457	458	99.8	432	432	100.0	191	294	65.0
Baltimore	190	190	190	100.0	184	184	100.0	74	105	70.5
Massachusetts	153	24	77	31.2	19	19	100.0	6	12	50.0
Michigan	487	465	486	95.7	338	353	95.8	99	99	100.0
Mississippi	692	685	692	99.0	617	618	99.8	310	432	71.8
Missouri	280	166	277	59.9	141	142	99.3	86	120	71.7

Jurisdictions	Named Partner Initiated for PS	Named Partners Who Were Notifiable			Notified Partners			Notified Partners Tested		
	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	89	0	9	0.0	0	0	N/A	0	0	N/A
Nebraska	72	63	68	92.6	63	63	100.0	17	17	100.0
Nevada	822	351	822	42.7	348	351	99.1	228	331	68.9
New Hampshire	40	33	40	82.5	33	33	100.0	10	10	100.0
New Jersey	92	67	76	88.2	55	61	90.2	8	8	100.0
New Mexico	55	53	55	96.4	41	41	100.0	29	40	72.5
New York (excludes NYC)	555	367	545	67.3	364	367	99.2	262	343	76.4
New York City	1,077	781	1,077	72.5	762	765	99.6	132	258	51.2
North Carolina	1,681	1,238	1,681	73.6	1,238	1,238	100.0	754	818	92.2
North Dakota	38	25	38	65.8	21	21	100.0	18	18	100.0
Ohio	794	492	779	63.2	429	429	100.0	356	404	88.1
Oklahoma	106	33	93	35.5	33	33	100.0	18	27	66.7
Oregon	178	63	178	35.4	53	53	100.0	52	52	100.0
Pennsylvania (excludes Philadelphia)	271	61	271	22.5	61	61	100.0	50	50	100.0
Philadelphia	778	304	778	39.1	304	304	100.0	247	304	81.3
Rhode Island	129	66	129	51.2	65	66	98.5	48	48	100.0
South Carolina	1	0	1	0.0	0	0	N/A	0	0	N/A
South Dakota	10	10	10	100.0	10	10	100.0	10	10	100.0
Tennessee	445	445	445	100.0	432	445	97.1	107	432	24.8
Texas (includes Houston)	4,922	4,922	4,922	100.0	4,922	4,922	100.0	302	302	100.0
Utah	3	0	3	0.0	0	0	N/A	0	0	N/A
Vermont	3	3	3	100.0	3	3	100.0	1	1	100.0
Virginia	953	616	941	65.5	535	535	100.0	83	84	98.8
Washington	529	240	285	84.2	123	135	91.1	79	81	97.5
West Virginia	29	17	29	58.6	17	17	100.0	13	13	100.0
Wisconsin	161	124	161	77.0	121	123	98.4	53	53	100.0
Wyoming	5	5	5	100.0	5	5	100.0	5	5	100.0
Puerto Rico	493	309	416	74.3	302	302	100.0	189	195	96.9
U.S. Virgin Islands	1	1	1	100.0	1	1	100.0	0	0	N/A
<b>TOTAL</b>	<b>25,949</b>	<b>19,693</b>	<b>24,693</b>	<b>79.8</b>	<b>18,588</b>	<b>18,973</b>	<b>98.0</b>	<b>7,166</b>	<b>9,270</b>	<b>77.3</b>

\*Minnesota is not represented

<sup>a</sup>Excludes missing data.

**Table 5. Demographic and Risk Behavior Characteristics of Partners Elicited by and Tested Through Partner Services (PS), 59 Health Departments\*, 2018**

Demographic and Risk Characteristics	Named Partners Initiated for PS		Named Partners Who Were Notifiable			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	30	0.1	21	28	75.0	18	19	94.7	11	12	91.7
13-19	500	1.9	432	489	88.3	397	408	97.3	200	253	79.1
20-29	8,367	32.2	6,723	8,047	83.5	6,405	6,525	98.2	2,709	3,396	79.8
30-39	7,124	27.5	5,423	6,849	79.2	5,160	5,232	98.6	2,015	2,575	78.3
40-49	3,678	14.2	2,824	3,533	79.9	2,716	2,754	98.6	1,088	1,400	77.7
50+	2,929	11.3	2,265	2,836	79.9	2,175	2,211	98.4	884	1,138	77.7
Missing/Invalid	3,321	12.8	2,005	2,911	68.9	1,717	1,824	94.1	259	496	52.2
<b>GENDER</b>											
Male	20,985	80.9	15,794	20,010	78.9	14,969	15,269	98.0	5,417	7,162	75.6
Female	4,265	16.4	3,476	4,045	85.9	3,297	3,367	97.9	1,612	1,903	84.7
Transgender	202	0.8	122	191	63.9	113	116	97.4	68	81	84.0
Other	4	0.0	1	4	25.0	1	1	100.0	1	1	100.0
Declined/Not Asked	282	1.1	176	244	72.1	116	119	97.5	35	79	44.3
Missing/Invalid	211	0.8	124	199	62.3	92	101	91.1	33	44	75.0
<b>RACE/ETHNICITY</b>											
White	7,546	29.1	5,617	7,083	79.3	5,224	5,409	96.6	2,225	2,789	79.8
Black or African	10,459	40.3	7,948	10,011	79.4	7,577	7,672	98.8	2,945	3,923	75.1
Hispanic or Latino	5,204	20.1	4,278	5,044	84.8	4,147	4,200	98.7	1,474	1,772	83.2
Asian	306	1.2	222	295	75.3	214	220	97.3	105	120	87.5
American Indian or Alaska Native	140	0.5	105	135	77.8	100	101	99.0	55	68	80.9
Native Hawaiian or Pacific Islander	58	0.2	43	54	79.6	39	41	95.1	20	25	80.0
Multi-race	186	0.7	130	175	74.3	117	129	90.7	47	56	83.9
Declined	44	0.2	28	44	63.6	28	28	100.0	7	23	30.4
Don't Know	1,456	5.6	1,000	1,385	72.2	925	944	98.0	223	372	59.9
Missing/Invalid	550	2.1	322	467	69.0	217	229	94.8	65	122	53.3

Demographic and Risk Characteristics	Named Partners Initiated for PS		Named Partners Who Were Notifiable			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	3,231	12.5	1,781	3,100	57.5	1,722	1,750	98.4	808	1,078	75.0
Midwest	2,875	11.1	2,085	2,851	73.1	1,590	1,881	84.5	898	1,094	82.1
South	15,419	59.4	13,184	14,781	89.2	12,957	12,981	99.8	4,096	5,252	78.0
West	3,930	15.1	2,333	3,544	65.8	2,016	2,058	98.0	1,175	1,651	71.2
U.S. Dependent Areas	494	1.9	310	417	74.3	303	303	100.0	189	195	96.9
<b>POPULATION GROUP</b>											
MSM/PWID	122	0.5	80	114	70.2	76	76	100.0	49	60	81.7
MSM <sup>b</sup>	2,631	10.1	1,894	2,537	74.7	1,840	1,863	98.8	994	1,292	76.9
Transgender/PWID	3	0.0	0	2	0.0	0	0	N/A	0	N/A	.
Transgender	199	0.8	122	189	64.6	113	116	97.4	68	81	84.0
PWID <sup>c</sup>	190	0.7	127	164	77.4	123	123	100.0	84	96	87.5
Heterosexual Men	596	2.3	497	581	85.5	488	490	99.6	317	377	84.1
Heterosexual Women	672	2.6	574	656	87.5	560	562	99.6	399	466	85.6
No Risk	568	2.2	326	568	57.4	269	284	94.7	183	232	78.9
Missing/Invalid	20,968	80.8	16,073	19,882	80.8	15,119	15,459	97.8	5,072	6,666	76.1
<b>TOTAL</b>	<b>25,949</b>	<b>100.0</b>	<b>19,693</b>	<b>24,693</b>	<b>79.8</b>	<b>18,588</b>	<b>18,973</b>	<b>98.0</b>	<b>7,166</b>	<b>9,270</b>	<b>77.3</b>

\*Minnesota is not represented

<sup>a</sup>Excludes missing data  
<sup>b</sup>MSM- Men who have sex with men  
<sup>c</sup>PWID- Persons who inject drugs

Table 6. Newly Identified HIV-positive Partners Linked to HIV Medical Care, 59 Health Departments\*, 2018

Jurisdictions	Notified Partners Tested	Partners Newly Identified as HIV-Positive			Newly Identified Partners Attended First HIV Medical Care Appointment		
		N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
Alabama	152	0	0	N/A	0	0	N/A
Alaska	90	1	89	1.1	1	1	100.0
Arizona	273	25	269	9.3	20	20	100.0
Arkansas	145	6	141	4.3	3	3	100.0
California (excludes LA SF)	30	2	18	11.1	2	2	100.0
Los Angeles	131	10	129	7.8	5	5	100.0
San Francisco	58	4	57	7.0	1	1	100.0
Colorado	190	50	185	27.0	46	47	97.9
Connecticut	44	23	44	52.3	0	0	N/A
Delaware	5	0	3	0.0	0	0	N/A
District of Columbia	4	1	3	33.3	1	1	100.0
Florida	1,637	81	1,567	5.2	48	48	100.0
Georgia (excludes Atlanta)	55	10	54	18.5	3	3	100.0
Hawaii	10	3	10	30.0	2	2	100.0
Idaho	0	0	0	N/A	0	0	N/A
Illinois (excludes Chicago)	4	0	4	0.0	0	0	N/A
Chicago	78	11	78	14.1	5	5	100.0
Indiana	27	23	24	95.8	22	23	95.7
Iowa	73	8	72	11.1	4	4	100.0
Kansas	77	77	77	100.0	41	41	100.0
Kentucky	0	0	0	N/A	0	0	N/A
Louisiana	246	21	244	8.6	12	13	92.3
Maine	0	0	0	N/A	0	0	N/A
Maryland (excludes Baltimore)	191	7	182	3.8	1	1	100.0
Baltimore	74	2	69	2.9	1	1	100.0
Massachusetts	6	2	6	33.3	1	1	100.0
Michigan	99	5	98	5.1	3	3	100.0
Mississippi	310	22	302	7.3	16	16	100.0
Missouri	86	7	85	8.2	4	4	100.0



Jurisdictions	Notified Partners Tested	Partners Newly Identified as HIV-Positive			Newly Identified Partners Attended First HIV Medical Care Appointment		
		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	17	0	16	0.0	0	0	N/A
Nevada	228	27	228	11.8	22	22	100.0
New Hampshire	10	1	10	10.0	1	1	100.0
New Jersey	8	0	8	0.0	0	0	N/A
New Mexico	29	1	28	3.6	0	0	N/A
New York (excludes New York City)	262	18	262	6.9	1	1	100.0
New York City	132	20	131	15.3	19	19	100.0
North Carolina	754	381	754	50.5	89	109	81.7
North Dakota	18	0	18	0.0	0	0	N/A
Ohio	356	68	356	19.1	58	60	96.7
Oklahoma	18	1	18	5.6	1	1	100.0
Oregon	52	4	52	7.7	0	0	N/A
Pennsylvania (excludes Philadelphia)	50	28	43	65.1	24	26	92.3
Philadelphia	247	14	239	5.9	0	12	0.0
Rhode Island	48	0	27	0.0	0	0	N/A
South Carolina	0	0	0	N/A	0	0	N/A
South Dakota	10	4	10	40.0	2	2	100.0
Tennessee	107	7	15	46.7	0	0	N/A
Texas (includes Houston)	302	0	0	N/A	0	0	N/A
Utah	0	0	0	N/A	0	0	N/A
Vermont	1	1	1	100.0	1	1	100.0
Virginia	83	5	56	8.9	3	3	100.0
Washington	79	6	77	7.8	2	2	100.0
West Virginia	13	0	10	0.0	0	0	N/A
Wisconsin	53	4	51	7.8	1	1	100.0
Wyoming	5	0	1	0.0	0	0	N/A
Puerto Rico	189	35	187	18.7	25	25	100.0
U.S. Virgin Islands	0	0	0	N/A	0	0	N/A
<b>TOTAL</b>	<b>7,166</b>	<b>1,026</b>	<b>6,408</b>	<b>16.0</b>	<b>491</b>	<b>530</b>	<b>92.6</b>

\*Minnesota is not represented

<sup>a</sup>Excludes missing data.

Table 7. Demographic and Risk Behavior Characteristics of Newly Identified HIV-positive Partners Linked to HIV Medical Care, 59 Health Departments\*, 2018

Demographic and Risk Characteristics	Notified Partners Tested		Partners Newly Identified as HIV-positive			Newly Identified Partners Attended First HIV Medical Care Appointment		
	N	Column %	N	Denominator <sup>a</sup>	% <sup>a</sup>	N	Denominator <sup>a</sup>	% <sup>a</sup>
<b>AGE</b>								
<13	11	0.2	1	11	9.1	0	0	N/A
13-19	200	2.8	30	189	15.9	15	16	93.8
20-29	2,709	37.8	421	2,387	17.6	205	221	92.8
30-39	2,015	28.1	288	1,798	16.0	137	148	92.6
40-49	1,088	15.2	131	989	13.2	62	67	92.5
50+	884	12.3	100	802	12.5	55	59	93.2
Missing/Invalid	259	3.6	55	232	23.7	17	19	89.5
<b>GENDER</b>								
Male	5,417	75.6	829	4,773	17.4	388	420	92.4
Female	1,612	22.5	180	1,501	12.0	99	105	94.3
Transgender	68	0.9	5	66	7.63	3	3	100.0
Other	1	0.0	0	1	0.0	0	0	N/A
Declined/Not Asked	35	0.5	10	34	29.4	0	1	0.0
Missing/Invalid	33	0.5	2	33	6.1	1	1	100.0
<b>RACE/ETHNICITY</b>								
White	2,225	31.0	297	2,021	14.7	170	178	95.5
Black or African American	2,945	41.1	477	2,597	18.4	190	217	87.6
Hispanic or Latino	1,474	20.6	199	1,297	15.3	110	112	98.2
Asian	105	1.5	12	100	12.0	7	7	100.0
American Indian or Alaska Native	55	0.8	9	52	17.3	4	4	100.0
Native Hawaiian or Pacific Islander	20	0.3	2	19	10.5	1	1	100.0
Multi-race	47	0.7	14	44	31.8	3	4	75.0
Declined	7	0.1	1	7	14.3	1	1	100.0
Don't Know	223	3.1	10	208	4.8	1	2	50.0
Missing/Invalid	65	0.9	5	63	7.9	4	4	100.0

Demographic and Risk Characteristics	Notified Partners Tested		Partners Newly Identified as HIV-positive			Newly Identified Partners Attended First HIV Medical Care Appointment		
	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	808	11.3	107	771	13.9	47	61	77.0
Midwest	898	12.5	207	889	23.3	140	143	97.9
South	4,096	57.2	544	3,418	15.9	178	199	89.4
West	1,175	16.4	133	1,143	11.6	101	102	99.0
U.S. Dependent Areas	189	2.6	35	187	18.7	25	25	100.0
<b>TARGET POPULATION</b>								
MSM/PWID	49	0.7	22	45	48.9	16	16	100.0
MSM <sup>b</sup>	994	13.9	234	927	25.2	162	172	94.2
Transgender/PWID	0	0.0	0	0	N/A	0	0	N/A
Transgender	68	0.9	5	66	7.6	3	3	100.0
PWID <sup>c</sup>	84	1.2	33	82	40.2	25	25	100.0
Heterosexual Men	317	4.4	79	289	27.3	55	58	94.8
Heterosexual Women	399	5.6	83	386	21.5	64	65	98.5
No Risk	183	2.6	19	180	10.6	4	4	100.0
Missing/Invalid	5,072	70.8	551	4,433	12.4	162	187	86.6
<b>TOTAL</b>	<b>7,166</b>	<b>100.0</b>	<b>1,026</b>	<b>6,408</b>	<b>16.0</b>	<b>491</b>	<b>530</b>	<b>92.6</b>

\*Minnesota is not represented

<sup>a</sup>Excludes missing data

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

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