

HIV Testing at CDC Funded Sites

United States,
Puerto Rico &
U.S. Virgin Islands

2011

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



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INTRODUCTION

The Centers for Disease Control and Prevention (CDC) receives, analyzes and disseminates data on CDC-funded HIV testing events. Test-level data are reported by CDC grantees through the National HIV Prevention Program Monitoring and Evaluation (NHM&E) system. These data can be used to describe the demographics of persons tested, as well as additional programmatic activities that are funded by CDC, including important indicators of linkage to HIV medical care and referral to partner services and HIV prevention services. The HIV Testing at CDC-Funded Sites Annual Report (hereafter: Annual HIV Testing Report) summarizes the test-level NHM&E data for testing events in the United States and dependent areas.

This report includes HIV testing data from 59 CDC-funded jurisdictions, and would not be possible without the collaboration, dedication and hard work of grantees from all state, territorial and local health departments and community-based organizations (CBOs). Test-level data were available from 55 of 59 health department jurisdictions, which represents the highest number of jurisdictions reporting test-level data in an Annual HIV Testing Report. Aggregate data were reported for 4 health department jurisdictions unable to submit test-level data. The Testing Monitoring and Evaluation Team (TMET) in the Division of HIV/AIDS Prevention's (DHAP) Program Evaluation Branch (PEB) reviewed the completeness and quality of the HIV testing data from CDC-funded jurisdictions in determining data for inclusion in this report. CDC staff worked with all Health Department grantees to ensure that their jurisdiction's HIV testing data were complete.

NHM&E HIV testing data are intended to be used in conjunction with other relevant information (e.g., progress reports, surveillance data, and census data) by HIV program managers and policy makers, HIV testing service providers, CDC project officers, evaluators, researchers, and others interested in the public health implications of HIV prevention program activities. These data can be utilized as a tool to learn systematically from our work, inform program practice, and more rigorously and credibly document program progress toward local, state and national HIV prevention goals. DHAP's NHM&E HIV testing data have been used at the national and local levels for HIV prevention policy, program decision-making, program monitoring, evaluation activities, research, presentations, and reports.

This report includes data submitted to CDC for testing events funded by the following five program announcements: PS10-1001 funded comprehensive HIV prevention services for 59 health departments; PS07-768 and PS10-10138 funded expanded HIV testing services for disproportionately affected populations for 30 health departments; PS08-0803 funded HIV testing services for CBOs in Puerto Rico and U.S. Virgin Islands; PS10-1003 funded HIV prevention interventions for CBOs; and PS06-618 funded HIV prevention interventions serving young men of color who have sex with men and young transgendered persons of color for CBOs.

Report Revision

The 2011 HIV testing report has been revised from previous years to address the changing needs of programs to access, interpret, and utilize their data. These changes include:

- Emphasis on the continuum of HIV testing-related activities, including:
 - Tracking newly-identified HIV-positive testing events;
 - Informing tested individuals of results;
 - Timely linkage to HIV medical care; and
 - Referrals to HIV prevention and partner services.
- Provision and description of information about missing/invalid data for continuum of HIV testing-related activities indicators;
- Focused reporting of continuum of HIV testing-related activities among *newly identified confirmed* HIV-positive individuals; and
- Inclusion of tables for testing events by gender, test setting (health care including correctional facilities or non-health care facilities), and among risk groups of men who have sex with men (MSM), high-risk heterosexual males and high-risk heterosexual females.

Report Content and Organization

The content of this report provides data related to the goals of the National HIV/AIDS Strategy (NHAS) and the DHAP Strategic Plan, specifically

- Reduce the number of persons who become HIV infected;
- Increase access to care and improve health outcomes for persons living with HIV; and
- Reduce HIV related health disparities.

The report also contributes information to other CDC reporting requirements (e.g., Government Reporting and Results Act or

GPRA) and answers national HIV testing monitoring and evaluation questions for CDC-funded HIV testing programs, including: total numbers of HIV testing events and newly identified confirmed HIV-positive testing events both nationally, by jurisdiction and by client characteristics; receipt of HIV-positive test results by client characteristics; persons tested by risk category; and newly identified confirmed HIV-positive testing events linked to HIV medical care and referred to partner services and HIV prevention services.

This report contains four sections of tables and seven complimentary figures:

- CDC-funded HIV testing events by jurisdiction;
- HIV positivity and receipt of test results;
- Continuum of HIV testing related activities among newly identified confirmed HIV-positive individuals; and
- Risk groups among newly identified confirmed HIV-positive individuals.

The data presented include all CDC-funded HIV testing events reported to CDC as of April 5, 2013. Table 1 presents both test-level (55 health department jurisdictions) and aggregate (4 health department jurisdictions) data to provide the most complete estimate of CDC-funded testing events in 2011. All other tables display only test-level data and exclude the four jurisdictions treated in aggregate format due to incomplete 2011 data submission (Chicago, Illinois (excluding Chicago), Nevada and the U.S. Virgin Islands). Results are summarized in text and figures and technical notes are provided to assist with interpretation. Readers are encouraged to review all figure and table titles and footnotes carefully to ensure a complete understanding of the displayed data.

HIGHLIGHTS OF THE 2011 REPORT

1. HIV Testing events

- 3.4 million CDC-funded HIV testing events were conducted in the 59 health department jurisdictions in the United States, Puerto Rico and the U.S. Virgin Islands.
- 3.3 million HIV testing events were submitted to CDC with complete test-level NHM&E data from 55 health department jurisdictions.
- Four jurisdictions together accounted for about 30% of all CDC-funded HIV testing events, specifically, Florida (12%), North Carolina (6.8%), Texas (excluding Houston) (5.7%), and New York (excluding New York City) (5.1%) (Table 1).

2. Newly identified confirmed HIV positivity

- There were 18,446 newly identified confirmed HIV-positive individuals for a positivity percentage of 0.6% among 55 health department jurisdictions submitting test-level data (Table 1).
- The jurisdictions with the highest newly identified confirmed HIV positivity percentages were Arizona (1.3%), Arkansas (1.2%), Louisiana (1.1%), Mississippi (1.1%), and Puerto Rico (1.0%) (Table 1).
- The client characteristic or risk groups with highest newly identified confirmed HIV positivity percentages were MSM (2.8%) and transgender persons (2.7%) (Tables 21 and 18, Figure 1).

3. Testing continuum among newly identified confirmed HIV-positive individuals

- 93% of newly identified confirmed HIV-positive individuals received their test results (Table 15, Figure 2).
- 75% of newly identified confirmed HIV-positive individuals were linked to HIV medical care (Table 15, Figure 2).
- 77% of newly identified confirmed HIV-positive individuals were referred to partner services (Table 24, Figure 2).
- 64% of newly identified confirmed HIV-positive individuals were referred to HIV prevention services (Table 24, Figure 2).

4. Missing or invalid data among newly identified confirmed HIV-positive individuals for testing continuum indicators

- 14% for receipt of test results (Table 15, Figure 2).
- 46% for linkage to HIV medical care (Table 15, Figure 2).
- 27% for referral to partner services (Table 24, Figure 2).
- 46% for referral to HIV prevention services (Table 24, Figure 2).

5. Programmatic impact

- Compared to previous Annual HIV Testing reports, the data included in this report is more complete and representative of all CDC-funded HIV testing programs because data for 55 jurisdictions are reported at the test-level, which is the most number of jurisdictions ever reported.
- Compared to data published in the 2010 Annual HIV Testing Report:
 - In 2011, increased proportions of newly identified confirmed HIV positive individuals were linked to HIV medical care (69.8% in 2010), referred to partner services (71.9% in 2010), and referred to HIV prevention services (61.8% in 2010); and
 - In 2011, increased proportions of data were missing/invalid for the indicators of referral to partner services (25% in 2010) and referral to HIV prevention services (41% in 2010) among newly identified confirmed HIV-positive individuals.
- The proportions linked to HIV medical care and referred to partner or HIV prevention services are below the NHAS objectives and/or GPRAs performance goals. There continues to be room for improvement on these indicators.
- The high percentage of missing/invalid linkage to HIV medical care and referral to HIV prevention services data is problematic and limits our ability to monitor CDC-funded HIV testing programs for these important indicators.

Test-level testing events	3,301,519	
Newly identified confirmed HIV-positive individuals	18,446 (0.6%)	
	Indicator percentage	Missing/invalid percentage
Results received	93.2%	14.0%
Linked to HIV medical care	74.9%	46.3%
Referred to partner services	77.4%	28.6%
Referred to HIV prevention services	64.0%	46.7%

RESULTS

In 2011, approximately 3.4 million CDC-funded HIV testing events were conducted in the 59 jurisdictions in the United States, Puerto Rico and U.S. Virgin Islands. Of those testing events, complete test-level NHM&E data were submitted to CDC for 3.3 million testing events from 55 jurisdictions. Jurisdictions submitting aggregate level data include Chicago, Illinois (excluding Chicago), Nevada and the U.S. Virgin Islands. Four jurisdictions accounted for about 30% of all total testing events, specifically, Florida (12%), North Carolina (6.8%), Texas (excluding Houston) (5.8%), and New York (excluding New York City) (5.1%) (Table 1).

By gender, almost equal numbers of testing events were conducted among males (1.6 million, 48%) and females (1.7 million, 51%). A smaller number of tests were conducted among transgender persons (6,192, 0.2%) (Table 2). By testing site type, a majority of testing events were conducted in health care and correctional facilities (2.4 million, 74%) compared to non-health care settings (0.7 million, 21%) (Table 3). Fewer than one-quarter of all testing events were conducted among self-identified high-risk individuals, specifically 16% among high-risk heterosexual males, 8% among MSM, and 0.4% in high-risk heterosexual females (Table 4).

By age, the largest proportion of testing events were conducted among persons aged 20-29 years (1.4 million, 41%). By race/ethnicity, the largest proportion of tests were conducted among blacks or African Americans (1.5 million, 45%). However, for transgender persons (2,185, 35%) and MSM (111,514, 45%), the largest proportion of tests were conducted among Hispanics/Latinos and whites, respectively. By U.S. geographic region, the majority of tests were conducted in the South (2.0 million, 59.1%). However, for transgender persons, the largest proportion of tests were conducted in the West (2,033, 33%). Lastly, by test technology, the majority of testing events were conducted using a rapid test (1.9 million, 57%) (Tables 5-13).

Receipt of test result varied with preliminary HIV-positive test results received by individuals more often (97% received) than confirmed positive (94% received) results. Missing/invalid data percentages also varied, with most complete receipt of test result data submitted for preliminary positive test results (4% missing/invalid) (Table 14).

HIV positivity

In 2011, 29,540 preliminary or confirmed HIV-positive testing events were submitted by the 55 jurisdictions providing test-level data, for a positivity percentage of 0.9%. HIV positivity was highest for San Francisco (1.9%), Arizona, Colorado, and Puerto Rico (each 1.7%), Houston (1.6%), Arkansas and Washington (both 1.5%).

Of all 2011 test-level HIV testing events, 18,446 were

newly identified confirmed HIV-positive testing events, representing newly diagnosed individuals, for a positivity percentage of 0.6%. The highest newly identified confirmed HIV positivity percentages were reported for MSM (2.8%) and transgender persons (2.7%) (Figure 1, Tables 21 and 18). By health department jurisdiction, newly identified confirmed HIV positivity was highest for Arizona (1.3%) and Arkansas (1.2%) (Table 1). Groups with positivity percentages greater than the national average of 0.6% are age group 40-49 years (0.8%), blacks or African Americans (0.7%), males (0.9%), those tested in non-health care facilities (0.8%), and those tested in the U.S. Western region (0.7%) (Figure 1, Tables 15-23).

Testing continuum among newly identified confirmed HIV-positive individuals

In 2011, among all newly identified confirmed HIV-positive individuals, 93% received their test results, 75% were linked to HIV medical care, 77% were referred to partner services, and 64% were referred to HIV prevention services (Figure 2, Tables 15 and 24).

Receipt of HIV test results

The lowest percentages for receipt of HIV test results were among persons aged 13-19 years (85%, Figure 3a, Table 15) and females (76%, Figure 4a, Table 17). Receipt of HIV test result percentages were at least 90% for all other client characteristics (Tables 15-23, Figures 3a, 4a, 5a, 6a, 7a and 8a).

Linkage to HIV medical care

The proportion of newly identified confirmed HIV-positive individuals linked to HIV medical care increased over the past year from 70% in 2010 to 75% in 2011. Linkage to HIV medical care percentages varied by client characteristics:

- Age – 70% in the 13-19 age group to 77% in the 30-39 age group (Figure 3a, Table 15);
- Gender – 72% in transgender persons to 76% in females (Figure 4a, Tables 16-18);
- Testing site type – 72% in health care and correctional facilities to 80% in non-health care facilities (Figure 5a, Tables 19-20);
- Race/ethnicity – 70% in multi-race individuals to 85% in Asians (Figure 6a, Table 15);
- U.S. geographic region – 57% in the Midwest to 78% in the Northeast (Figure 7a, Table 15); and
- Risk group – 77% in MSM to 82% in high-risk heterosexual females (Figure 8a, Tables 21-23).

The improvement in the proportion of newly identified confirmed HIV-positive individuals who were linked to HIV medical care from 2010 to 2011 indicates that CDC-funded HIV testing programs are making progress towards achieving

the NHAS objective of 85% of newly diagnosed individuals being linked to clinical care by 2015 (Figure 2, Table 15). Continued improvement is required to ensure CDC-funded HIV testing programs meet the NHAS objective.

Referral to partner services

The proportion of newly identified confirmed HIV-positive individuals referred to partner services increased over the past year, from 72% to 77% in 2011, indicating further progress in increasing access to partner services nationally (Figure 2, Table 24). Additionally, the 2011 GPR target for this indicator was 72%, and this target was surpassed in 2011. Referral to partner services varied by client characteristics:

- Age – 73% in 40-49 and 50+ age groups to 83% in the 13-19 age group (Figure 3b, Table 24);
- Gender – 76% in females to 78% in males (Figure 4b, Tables 25-27);
- Testing site type – 74% in health care and correctional facilities to 81% in non-health care facilities (Figure 5b, Tables 19-20);
- Race/ethnicity – 74% in Hispanics/Latinos to 80% in multi-race individuals (Figure 6b, Table 24);
- U.S. geographic region – 60% in the Northeast to 86% in the Midwest (Figure 7b, Table 24); and
- Risk group – 82% in high-risk heterosexual males to 86% in MSM (Figure 8b, Tables 30-32).

The percentage of individuals referred to partner services was relatively high for individuals aged 13-19 years (83%), blacks or African Americans (79%), high-risk heterosexual males (82%), and high-risk heterosexual females (84%) suggesting that CDC-funded jurisdictions are providing partner services activities to prioritized groups (Figures 3b, 6b and 8b, Tables 24, 31 and 32). The percentage referred to partner services was lowest in the Northeast (60% referred, Figure 7b, Table 24).

Referral to HIV prevention services

The proportion of newly identified confirmed HIV-positive individuals referred to HIV prevention services increased over the past year, from 62% to 64% (Figure 2, Table 24). Additionally, the 2011 GPR target for this indicator was 64%, and this target was met in 2011, yet improvement is needed among many client groups. Referral to HIV prevention services varied by client characteristics:

- Age – 61% in the 50+ age group to 73% in the 13-19 age group (Figure 3b, Table 24);
- Gender – 62% in females to 72% in transgender persons (Figure 4b, Tables 25-27);
- Testing site type – 60% in health care and correctional facilities to 70% in non-health care facilities (Figure 5b, Tables 19-20);
- Race/ethnicity – 61% in Hispanics/Latinos to 74% in multi-race individuals (Figure 6b, Table 24);
- U.S. geographic region – 55% in the Northeast to 82% in the Midwest (Figure 7b, Table 24); and

- Risk group – 72% in MSM to 73% in high-risk heterosexual females (Figure 8b, Tables 30-32).

Risk category among newly identified confirmed HIV-positive individuals

The most commonly reported risk category among newly identified confirmed HIV-positive individuals was male-to-male sexual contact, for both all newly identified confirmed HIV-positive individuals (37%) and newly identified confirmed HIV-positive males (47%). Among newly identified confirmed HIV-positive females, the most common risk category was high-risk heterosexual contact (47%). Risk data were not reported for 26% of newly identified confirmed HIV-positive clients due to the client not being asked about risk (13%), client declined to discuss risk (0.4%), or data were missing/invalid (13%) (Tables 33-34).

Missing/invalid indicator data among newly identified confirmed HIV-positive individuals

Missing/invalid data result from a jurisdiction either not collecting required data elements, collecting but not reporting required data elements or reporting invalid value codes for required data elements. Missing/invalid data percentages varied widely by indicator, with result received having the least missing/invalid data (14%), followed by referral to partner services (29%), linkage to HIV medical care (46%) and referral to HIV prevention services (47%) having the most (Figure 2, Tables 15 and 24).

By client characteristic groups, there was little variability in the percentage of missing data by indicator among age groups (Figures 3a and 3b, Tables 15 and 24) and risk groups (Figures 8a and 8b, Tables 21-23 and 30-32).

Indicator data were more often missing/invalid for health care and correctional facilities, compared to non-health care facilities (Figures 5a and 5b, Tables 19-20 and 28-29); blacks or African Americans compared to other race/ethnicity groups (Figures 6a and 6b, Tables 15 and 24); and the South compared to other U.S. geographic regions (Figures 7a and 7b, Tables 15 and 24).

Indicator data were more often complete for transgender persons compared to males or females (Figures 4 and 4b, Tables 16-18 and 25-27).

Missing/invalid indicator data are problematic because without complete data, it is difficult to monitor and evaluate CDC-funded HIV testing program's progress on key DHAP and NHAS targets, and GPR goals. Jurisdictions should strive to minimize the missing/invalid data submitted to CDC's NHM&E system.

TECHNICAL NOTES

National HIV Prevention Monitoring & Evaluation HIV testing data collection

The 2011 National HIV Prevention Program Monitoring & Evaluation (NHM&E) HIV testing data were submitted to CDC by health department and community-based organization (CBO) grantees through CDC's Program Evaluation and Monitoring System (PEMS), EvaluationWeb® or CDC's Secure Data Network (SDN). Health departments and CBOs were required to submit data a minimum of twice annually (March and September). This report includes all testing events occurring in 2011 that were reported to CDC by April 5, 2013.

NHM&E data are submitted to CDC in a standard format. A data collection template is provided to all jurisdictions that includes required data fields. Health departments and CBOs are able to modify this template to better meet their local programmatic needs, however required data fields cannot be omitted.

Data quality assurance monitoring & grantee feedback

The Testing Monitoring and Evaluation Team (TMET) of the Program Evaluation Branch in the Division of HIV/AIDS Prevention are tasked with ensuring quality and validity of the NHM&E HIV testing data¹. To meet this goal, a standardized, robust, data quality check is performed bi-annually after each data submission deadline. All required data fields are checked to ensure a minimum of missing/invalid data. Additional attention is paid to required data fields utilized in calculation of indicators, including result received, linkage to HIV medical care, referral to partner services and referral to HIV prevention services, and the behavioral risk hierarchy. Conference calls are scheduled with each health department jurisdiction to review the quality of the data, allow for discussion of any areas for improvement, and to instruct on high-priority data fields requiring edits or updates.

Additionally, grantees are encouraged to develop and use data quality assurance protocols and procedures to improve and maintain high-quality data. As required in CDC program announcements that support CDC-funded testing activities, all CDC grantees must put in place processes to ensure programmatic quality (e.g., providing HIV test results to clients promptly and linking confirmed HIV-positive clients to HIV medical care).

Interpretation of HIV testing data

When interpreting data in this report, several points should be considered. First, some findings may be influenced by whether testing sites promoted and followed policies of routine or targeted HIV testing. For example, the number of HIV testing events may be lower in geographic locations or sites with targeted testing; and correspondingly, the HIV positivity in these locations or sites may be higher. Second, the population of persons using CDC-funded sites or other publicly-funded sites for HIV testing is not necessarily representative of all persons who are tested in the United States. This report does not include information about HIV testing services that were supported by the Departments of Defense, Justice, Labor, and Veterans Affairs; Centers for Medicare and Medicaid Services; Health Resources and Services Administration; Substance Abuse and Mental Health Services Administration; agencies of the U.S. Public Health Service other than CDC; state and local health departments; and the private sector. Third, it is not possible to link the results of repeat HIV testing events for the same person if, for example, a person has more than one testing event that is represented in these data. However, the definition of newly identified confirmed HIV positivity used in this report minimizes this limitation for persons who are newly identified, because records for which there is a current HIV-positive test result and a history of a previous HIV-positive test are excluded. Fourth, the HIV testing data are collected for HIV prevention program activities in conjunction with a health service delivery, which means the information collected by service providers is not routinely validated through research or epidemiologic investigation. Finally, the comparability of these data across health departments may be limited due to differences in data collection, quality assurance, or quality improvement activities that occur at the state or local levels. Comparability within a health department may be limited as well.

¹For the data included in this report, the grantee feedback activity was coordinated by Argelia Figueroa. CDC staff (NaTasha Hollis, Erin Sizemore and Tanja Walker), Northrup Grumman staff (Nicoline Collins, Courtnee Edgerston, Nadia Ennis, Takiyyah Hamilton, Lisa JeanCharles, Orazio Slayton and Tureka Watson) and ICF Macro staff (Alison Newell) worked diligently on this activity.

Definitions

Age

The age of the client at the testing event and determined by calculating the difference between the year of a client's birth and the year of the HIV testing event.

Data designation

Aggregate data

Total HIV testing events and confirmed HIV-positive test events reported by health department jurisdictions when complete test-level data were not submitted to CDC. In this report, aggregate data were reported for Chicago, Illinois (excluding Chicago), Nevada and U.S. Virgin Islands. These health department jurisdictions were unable to submit all test-level NHM&E data due to local staffing and technical issues.

Invalid data

Required data fields with a test-level HIV testing record that were submitted by the health department jurisdiction but do not conform to the value codes for a data element stated in the NHM&E Data Variable Set (DVS).

Missing data

Required data fields with a test-level valid HIV testing record that were not submitted by the health department jurisdiction. These data fields were either not collected by the health department jurisdiction or were collected but not reported to CDC.

Test-level data

The data reported by health department jurisdictions for each HIV test conducted, including individual demographics, HIV test data, and, when appropriate, behavioral risk, linkage to HIV medical care and referral to partner and HIV prevention services data. For this report, test-level data were reported for 55 health department jurisdictions.

Data variable set (DVS)

The data dictionary including all NHM&E data elements, including mandatory, required and allowed data elements. Information provided in the DVS included variable number, name, schema name, format type, minimum and maximum length, value codes, instructions and definitions.

Gender

The client's self-reported current gender identity. This may include one's social status, self-identification, legal status, and biology. Current gender identity is submitted to CDC as male, female, male-to-female transgender (an individual whose physical or birth sex is male, but whose gender expression and/or gender identity is female), or female-to-male transgender (an individual whose physical or birth sex is female, but whose gender expression and/or gender identity is male). For this report, gender is reported as male, female, and transgender.

Linkage to HIV medical care

HIV medical care includes medical services for HIV infection including evaluation of immune system function and screening, treatment and prevention of opportunistic infections.

This calculated indicator measures the extent to which clients with a confirmed HIV-positive test result were linked to HIV medical care. In order for a client to be linked to care, the client must both be referred to HIV medical care and attend the first medical care appointment. Missing/invalid data in either of those fields are excluded when determining the percentage of clients linked to HIV medical care.

Race/Ethnicity

Race is defined as a client's self-reported classification of the biological heritage with which they most closely identify. Ethnicity is defined as a client's self-report of whether they are Hispanic or Latino. Up to five races and one ethnicity (i.e., Hispanic or Latino) for a client are allowed and submitted to CDC as separate variables. For this report, a "race/ethnicity" variable was created by combining the race and ethnicity variables using the following categories and hierarchy:

- Hispanic or Latino ("Hispanic or Latino" in the ethnicity variable regardless of the race variables)
- Remaining clients who selected "Not Hispanic or Latino" for the ethnicity variable were categorized as:
 - White
 - Black or African American
 - Asian

- American Indian or Alaska Native
- Native Hawaiian or Pacific Islander
- Multi-race (clients who selected more than one race)
- Declined
- Don't know
- Invalid
- Missing

Rapid test used in testing event

This calculated variable indicates whether a rapid test technology was used in an HIV testing event. A value of “yes” indicates that at least one test within a testing event was done using a rapid technology but does not mean that all tests were done using a rapid technology.

Referral to HIV prevention services

HIV prevention services are defined as any service or intervention directly aimed at reducing risk for transmitting or acquiring HIV infection (e.g. prevention counseling, diffusion of effective behavioral interventions, risk-reduction counseling). It excludes indirect services such as mental health services or housing.

This calculated indicator measures the extent to which clients with a confirmed HIV-positive test result were given a referral to HIV prevention services. Missing/invalid data are excluded when determining the percentage of clients referred to HIV prevention services.

Referral to partner services

Partner services include a range of available services for newly and previously diagnosed HIV-infected persons, their partners and affected communities. Services may include: informing current and past sex partners that a person who is HIV-infected has identified them as a sex or injection-drug-paraphernalia-sharing partner and advising them to have HIV counseling and testing. Additionally, it can include notifying partners, who may not have suspected that they were at increased risk for HIV, that they can be tested for HIV.

This calculated indicator measures the extent to which clients with a confirmed HIV-positive test result were given a referral to partner services. Missing/invalid data are excluded when determining the percentage of clients referred to partner services.

Results received

This calculated indicator measures the extent to which clients received HIV test results from the initial testing site or obtained the results from another agency for at least one HIV test in the testing event, regardless of the HIV test technology or how many tests were conducted. Missing/invalid data for the result received variables are excluded when determining the percentage of clients who received test results.

Risk category

Risk factor information for NHM&E data are collected from the client for risks during the 12 months prior to the HIV testing event. For this report, mutually exclusive risk categories are determined for confirmed HIV-positive individuals using a combination of risk behaviors and gender of the client (males and females only). The risk behaviors collected include vaginal, anal or oral sex with male or female, sex without using a condom, sex with a person who is an injection drug user, sex with a person who has male-to-male-sexual contact (females only), sex with a person who is HIV-positive, use of injection drugs, and sharing of injection drug equipment among injection drug users.

The risk categories are ordered hierarchically based on the most likely presumed risk for exposure to HIV as follows:

- Male-to-male-sexual contact and injection drug use – includes male clients who reported both male-to-male-sexual contact and injection drug use
- Male-to-male sexual contact – includes male clients who reported male-to-male-sexual contact
- Injection drug use – includes clients who reported injection drug use
- High-risk heterosexual contact – includes clients who reported heterosexual contact and at least one risk behavior (other than injection drug use)
- Low-risk heterosexual contact – includes clients who reported heterosexual contact but did not report any other risk behaviors.
- Other – includes female-to-female sexual contact with no report of injection drug use
- No acknowledged risk – includes clients who were asked about risk behaviors but none were identified
- Not asked about risk – includes clients who were not asked about risk behaviors
- Declined to discuss risk – includes clients who declined to discuss risk behaviors
- No data – includes clients in which no risk behavior data were reported despite being asked about risk behaviors

Testing events

HIV testing event

An HIV testing event is a sequence of one or more HIV tests conducted with a client to determine his or her HIV status. During one testing event, a client may be tested once (e.g., one rapid test or one conventional test) or multiple times (e.g., one rapid test followed by one conventional test to confirm a preliminary HIV-positive test result).

Invalid HIV testing event

An HIV test is considered invalid if all of the following variables have missing data: test election (i.e., anonymous or confidential), test technology (i.e. conventional, rapid, or "other"), specimen type (i.e. blood, oral mucosal transudate, or urine), test result (i.e., negative, positive, indeterminate, "invalid," or "no result"), and results received (i.e., yes or no). Such records (<0.1% of the total records for 2011) are not included in this report.

Testing record

Invalid testing record

Required data fields within a test-level valid HIV testing record that do not conform to the data structure specified by CDC, for example, illogical dates (02/30/2011), incomplete dates (02/2011), future years, unacceptable value codes, or unexpected data based upon skip patterns in the data collection form.

Valid HIV testing record

A test-level data record that includes the mandatory data fields of session date, agency ID, intervention ID, site ID, site type and client ID. A test-level testing record cannot be submitted without the mandatory data fields.

Test results

Confirmed HIV-positive result

A testing event with a positive test result for a conventional HIV test (positive EIA test confirmed by supplemental testing, e.g., Western Blot) or a nucleic acid amplification test (NAAT).

HIV-positive result

A testing event with a positive test result regardless of test technology.

Newly identified confirmed HIV-positive result

A confirmed HIV-positive test result associated with a client who reports either no data on a previously conducted HIV test, no previously conducted HIV test or a previous HIV test without a positive result.

Preliminary HIV-positive result

A testing event with a positive test result from a rapid HIV test without a documented positive confirmatory test results.

Testing site type

Testing site type is defined as the setting at which HIV testing is provided, and for this report, classified into the following categories:

- Healthcare and correctional facilities – includes inpatient facilities, outpatient facilities, emergency rooms and correctional facilities
- Non-healthcare facilities – includes HIV counseling and testing sites and community settings
- Other facilities – includes blood banks/plasma centers and any other not previously listed facilities
- Invalid – the site code submitted for the facility is not one of the acceptable site codes
- Missing – no site code is submitted for the testing event

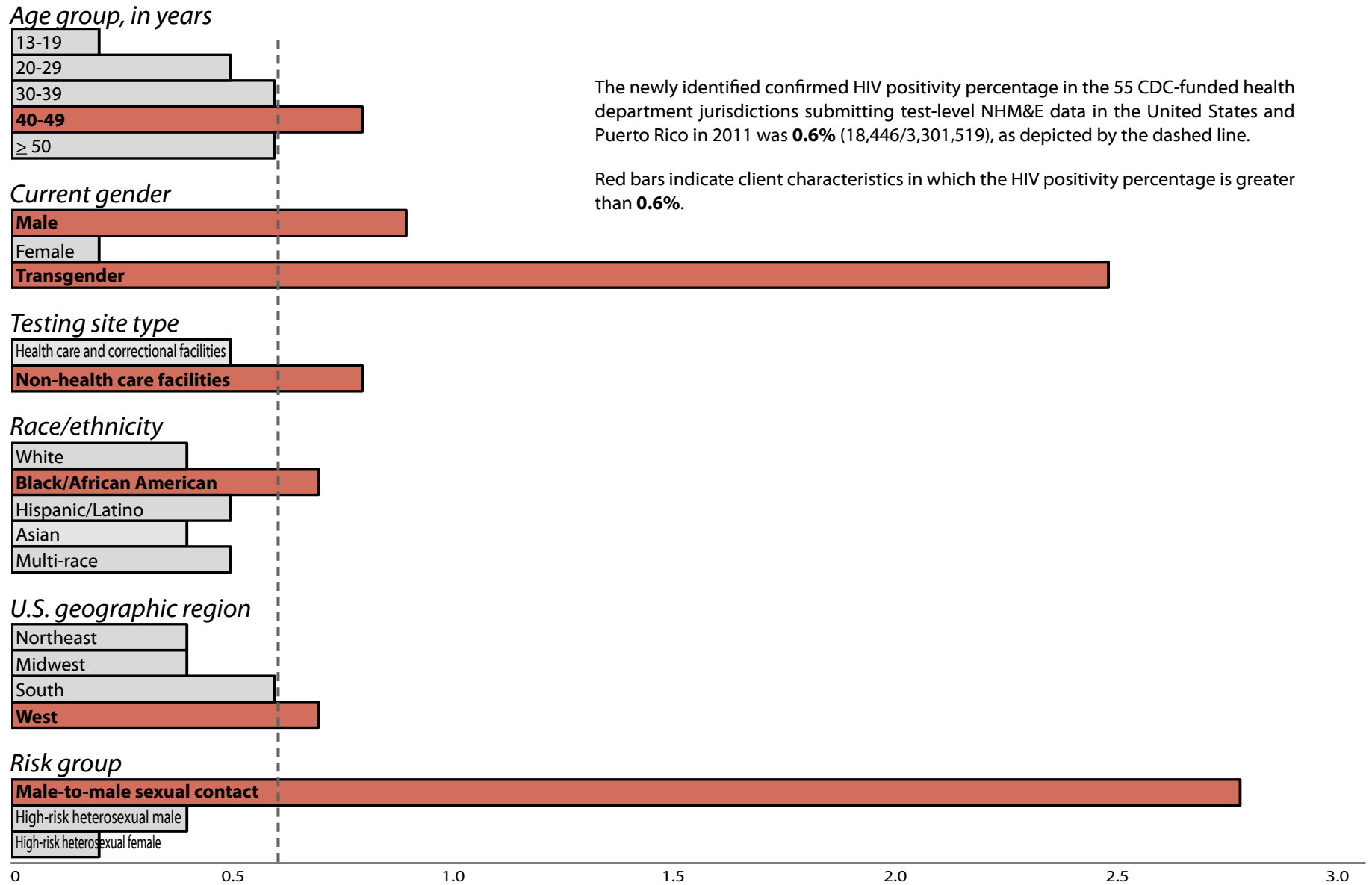
U.S. geographic region

The four U.S. geographic regions as designated by the U.S. Census Bureau. Specifically:

- 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.

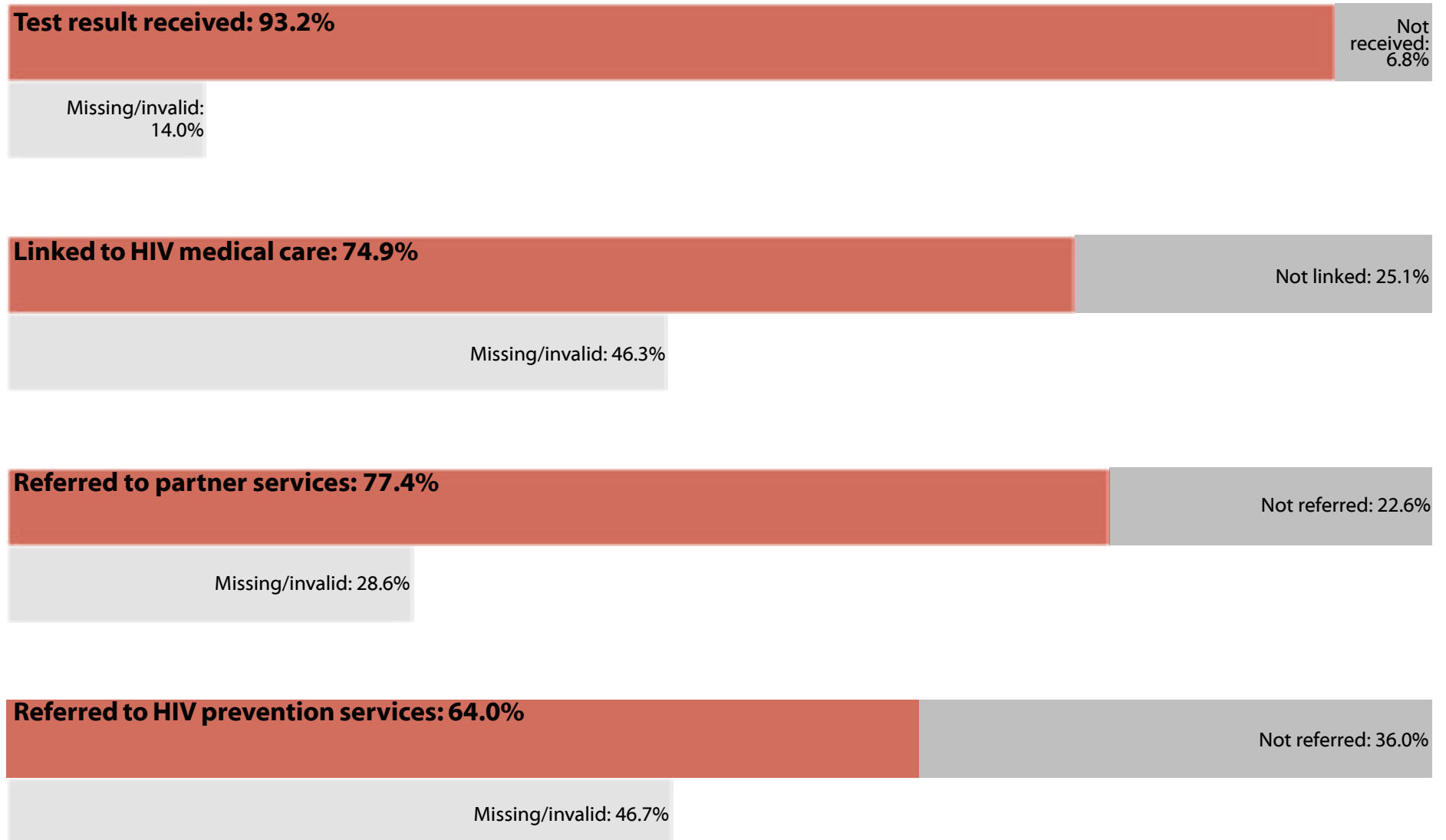
Figures

Figure 1: Newly identified confirmed HIV positivity percentages by characteristics of individuals tested, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011



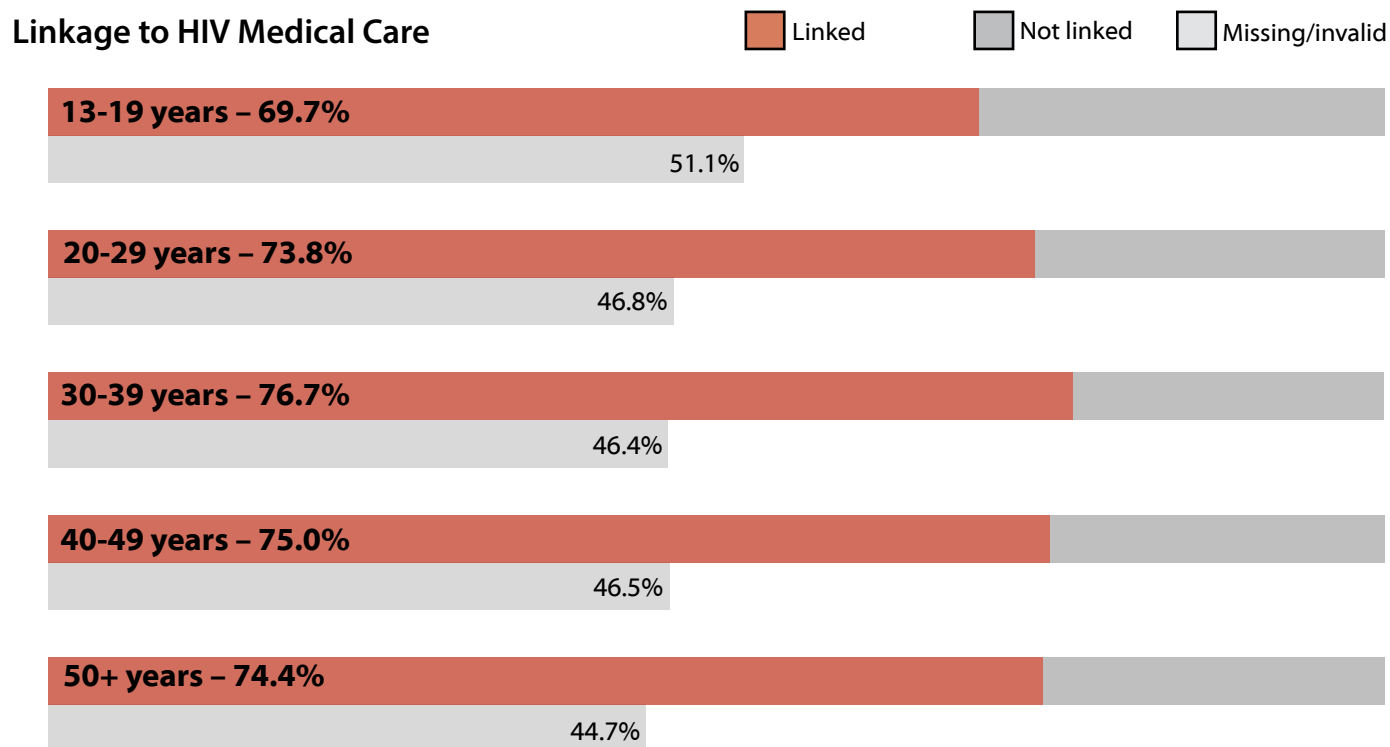
Age < 13 years, American Indian/Alaska Natives and Native Hawaiian/Pacific Islanders are omitted due to fewer than 100 newly identified confirmed HIV-positive testing events conducted and the potential for unreliable estimates. Puerto Rico is omitted from U.S. geographic region. Please refer to tables 15-23 for figure data.

Figure 2: Testing continuum indicators among newly identified confirmed HIV-positive individuals, including indicator and missing/invalid data percentages, 55 health departments submitting test-level data in the United States and Puerto Rico, 2011



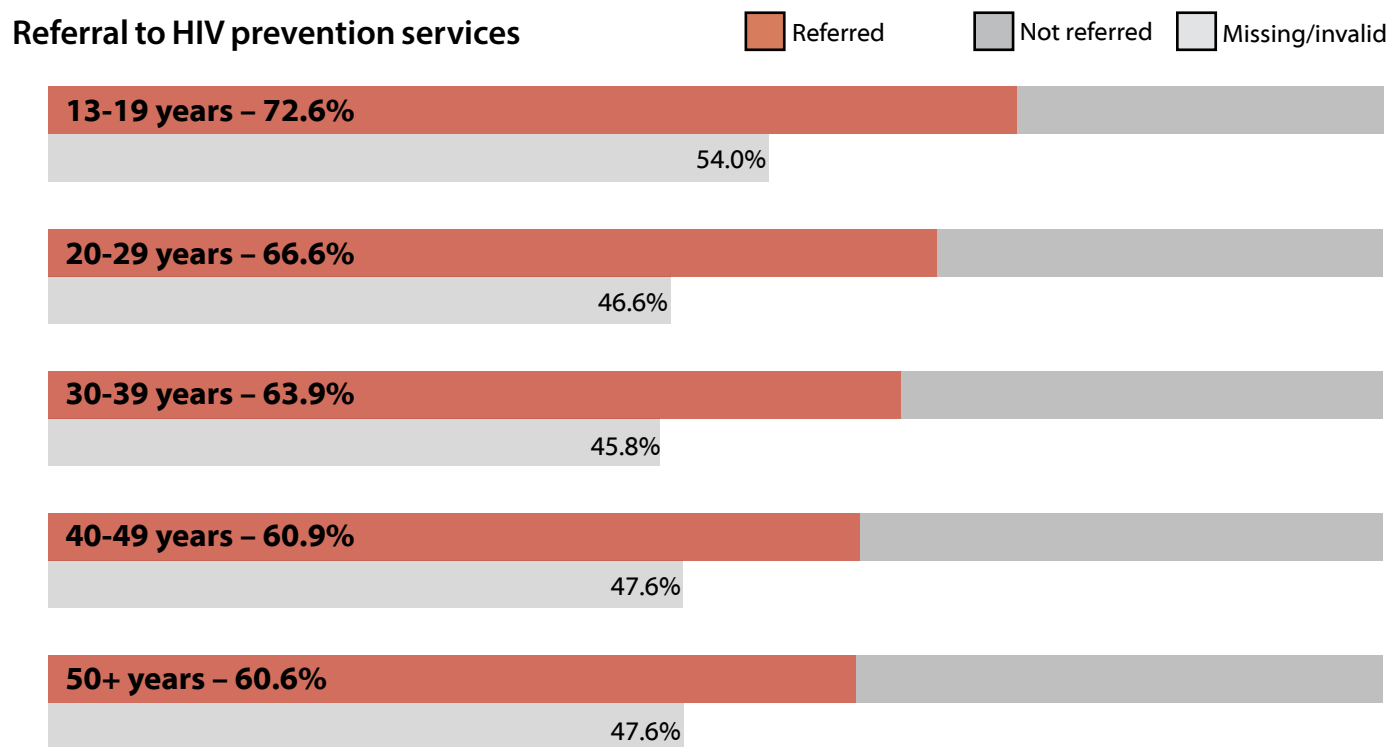
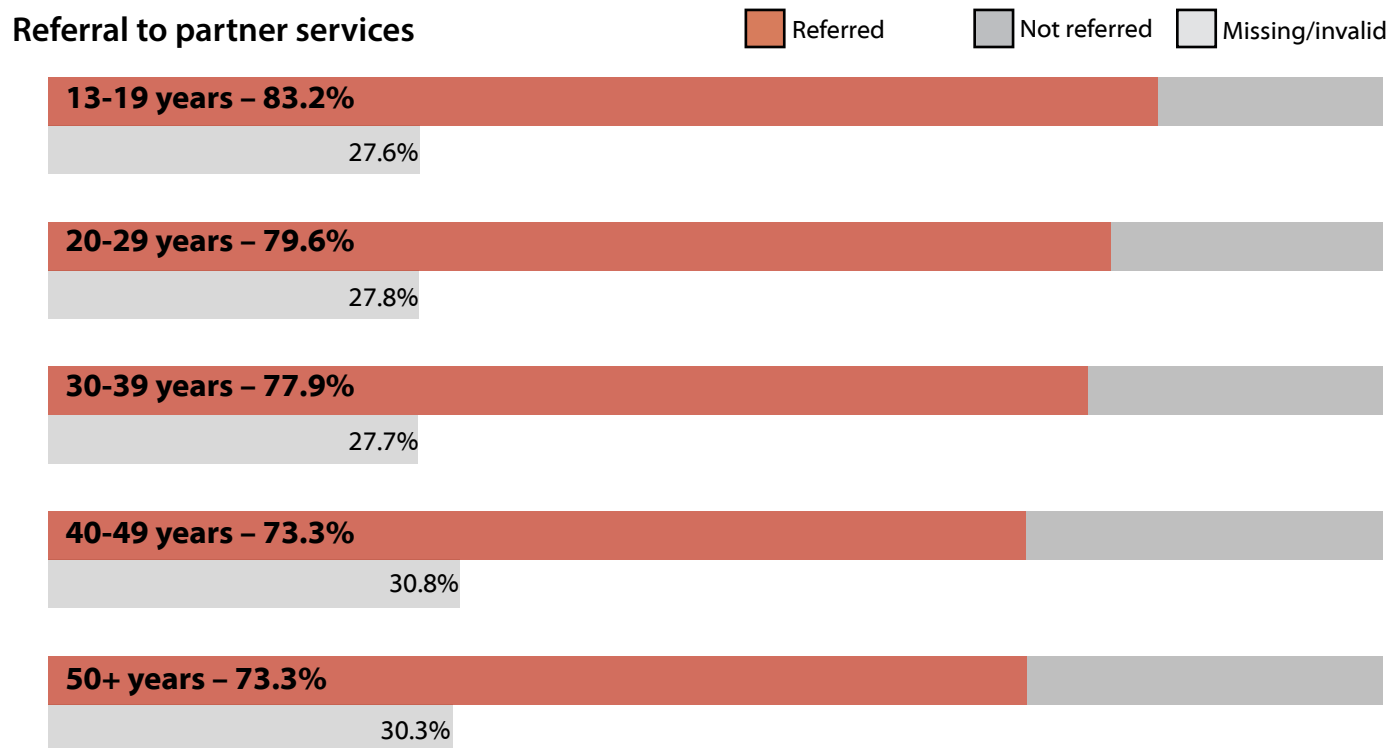
Indicator percentages sum to 100% and exclude missing data.
 Denominator for 'Missing/invalid' data percentage is all newly identified confirmed HIV-positive test events from 55 jurisdictions providing test-level data: 18,446
 Please refer to tables 15 and 24 for figure data.

Figure 3a: Receipt of test results and linkage to HIV medical care among newly identified confirmed HIV-positive individuals, by age group, including indicator and missing/invalid percentages, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011



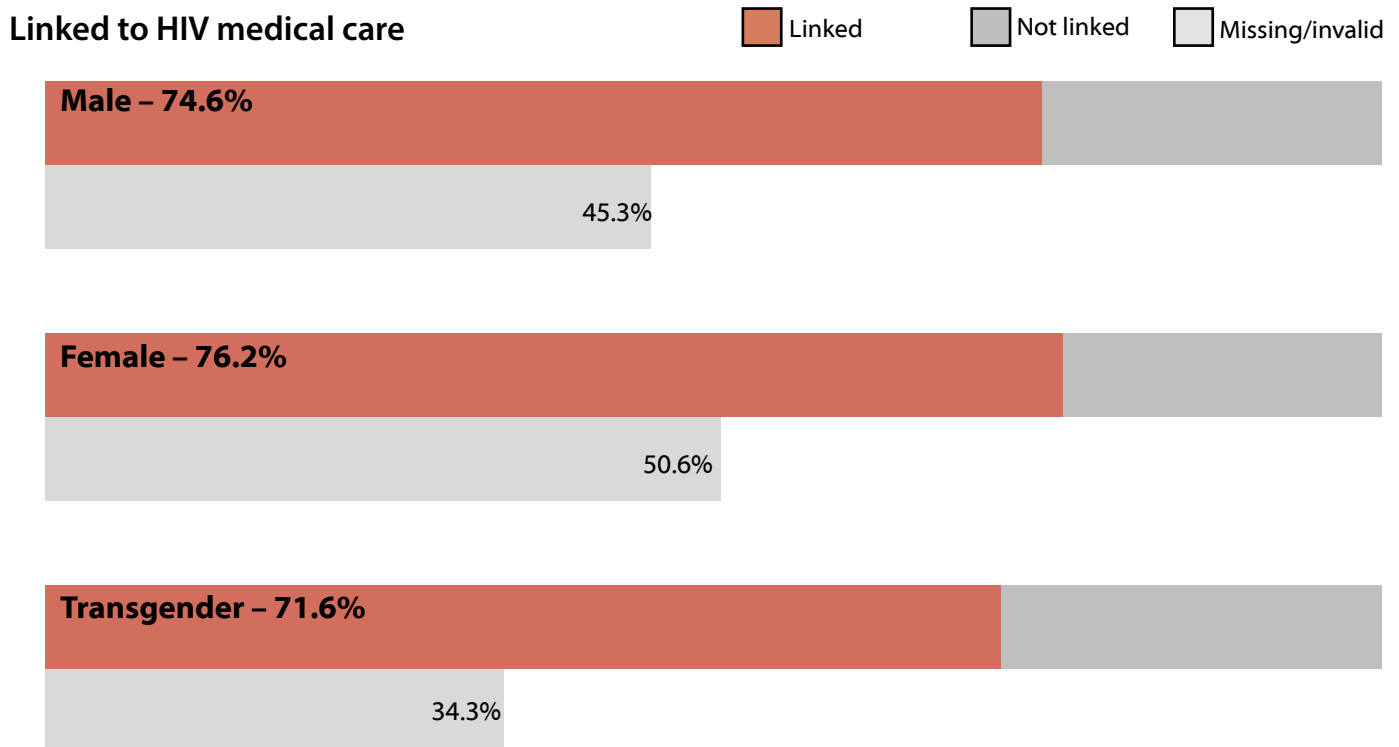
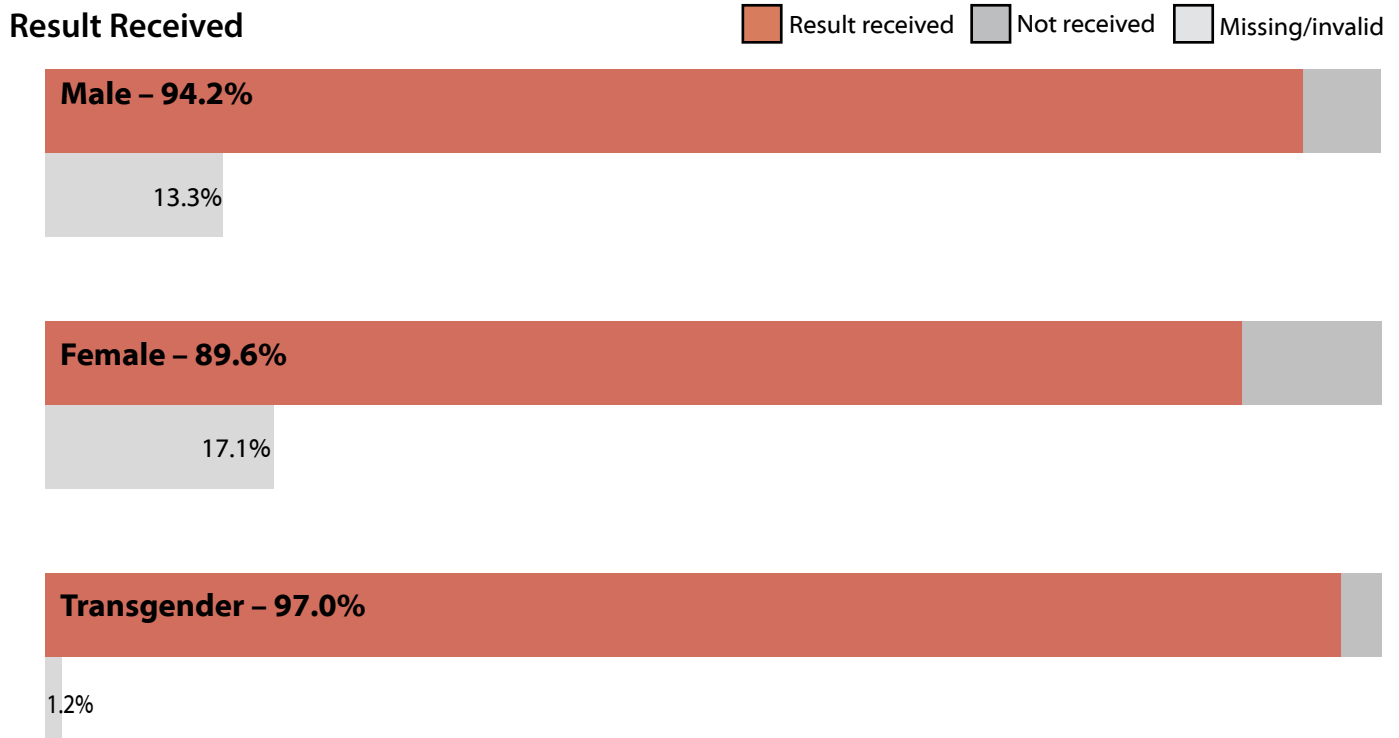
Age group < 13 years is omitted due to fewer than 100 newly identified confirmed HIV-positive testing events conducted and the potential for unreliable estimates.
 Indicator percentages sum to 100% and exclude 'Missing/invalid'.
 Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable age group.
 Please refer to Table 15 for figure data.

Figure 3b: Referrals to partner and HIV prevention services among newly identified confirmed HIV-positive individuals, by age group, including indicator and missing/invalid percentages, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011



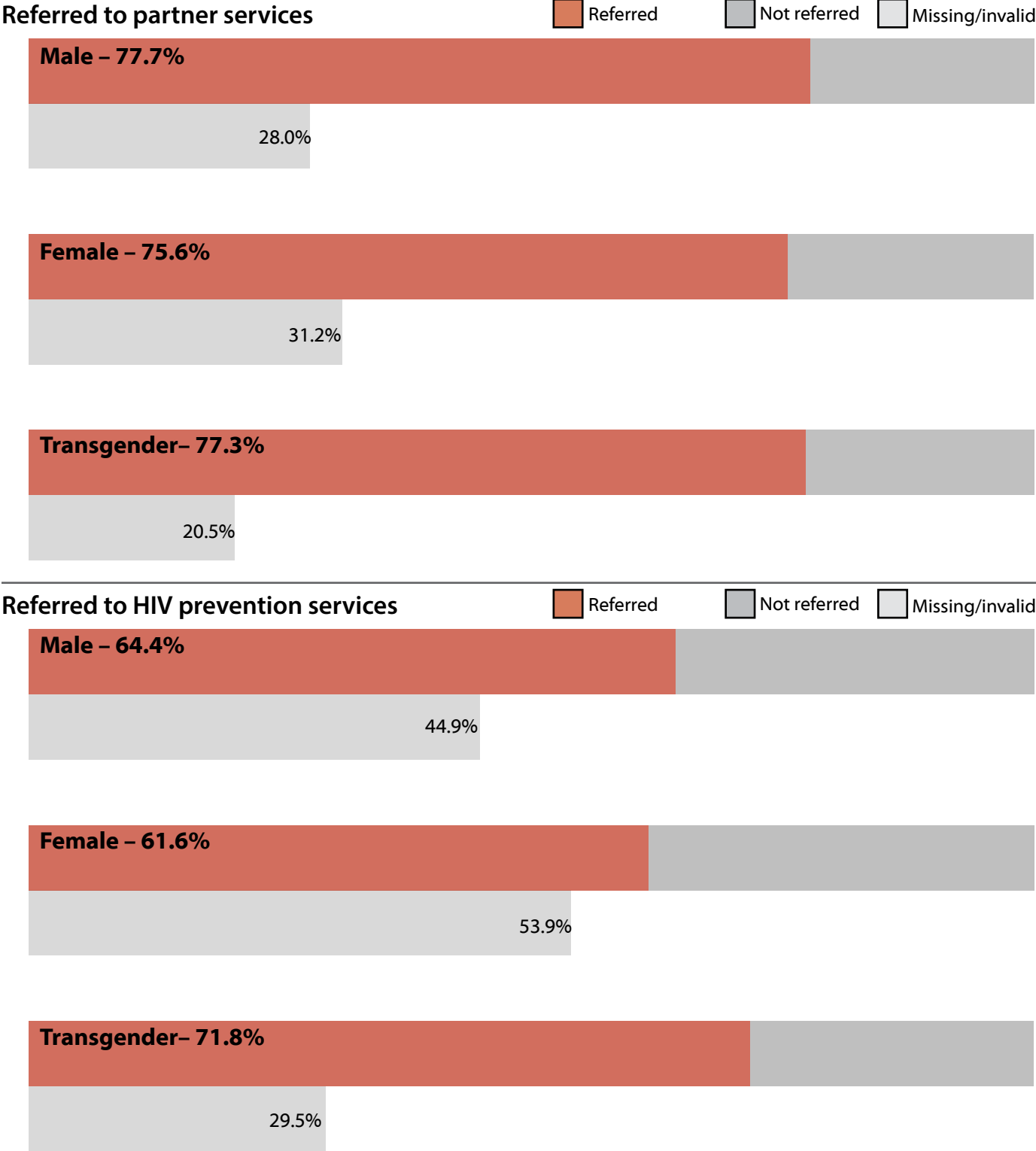
Age group < 13 years is omitted due to fewer than 100 newly identified confirmed HIV-positive testing events conducted and the potential for unreliable estimates.
 Indicator percentages sum to 100% and exclude 'Missing/invalid'.
 Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable age group.
 Please refer to Table 24 for figure data.

Figure 4a: Receipt of test results and linkage to HIV medical care among newly identified confirmed HIV-positive individuals, by gender, including indicator and missing/invalid percentages, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011



Indicator percentages sum to 100% and exclude 'Missing/invalid'. Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable gender group. Please refer to Tables 16-18 for figure data.

Figure 4b: Referrals to partner and HIV prevention services among newly identified confirmed HIV-positive individuals, by gender, including indicator and missing/invalid percentages, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

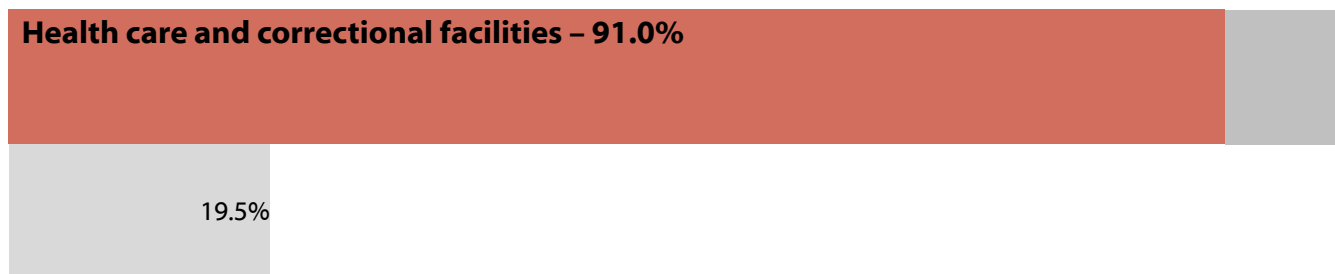


Indicator percentages sum to 100% and exclude 'Missing/invalid'. Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable gender group. Please refer to Tables 25-27 for figure data.

Figure 5a: Receipt of test results and linkage to HIV medical care among newly identified confirmed HIV-positive individuals, by testing site type, including indicator and missing/invalid percentages, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

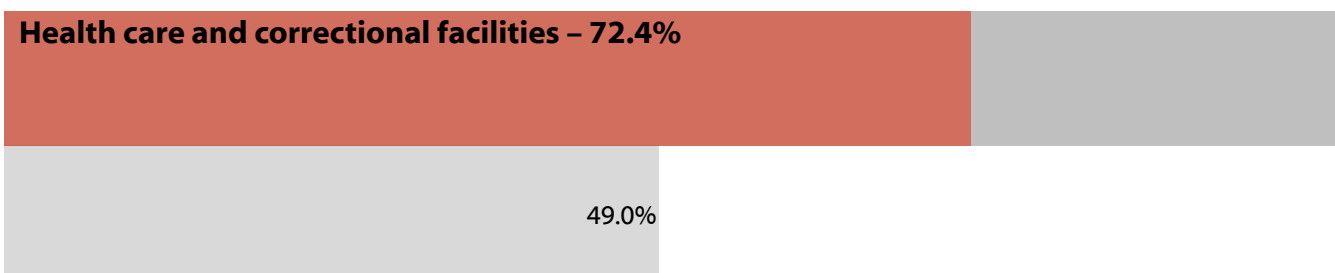
Result Received

Result received Not received Missing/invalid



Linked to HIV medical care

Linked Not linked Missing/invalid

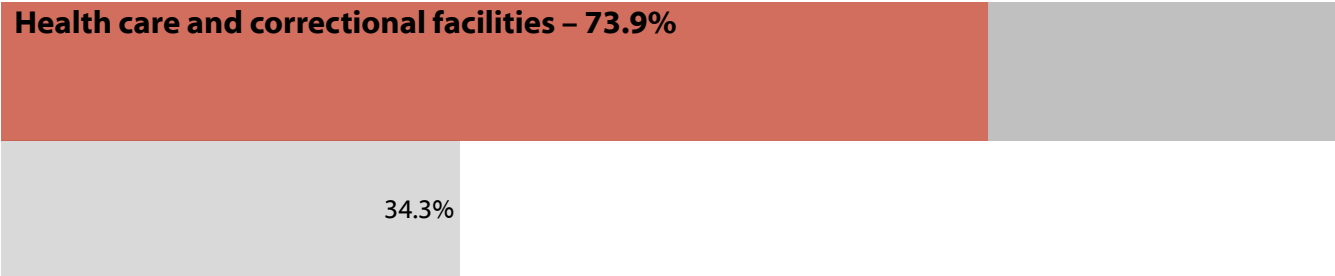


Indicator percentages sum to 100% and exclude 'Missing/invalid'. Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable testing site type group. Please refer to Tables 19-20 for figure data.

Figure 5b: Referrals to partner and HIV prevention services among newly identified confirmed HIV-positive individuals, by testing site type, including indicator and missing/invalid percentages, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

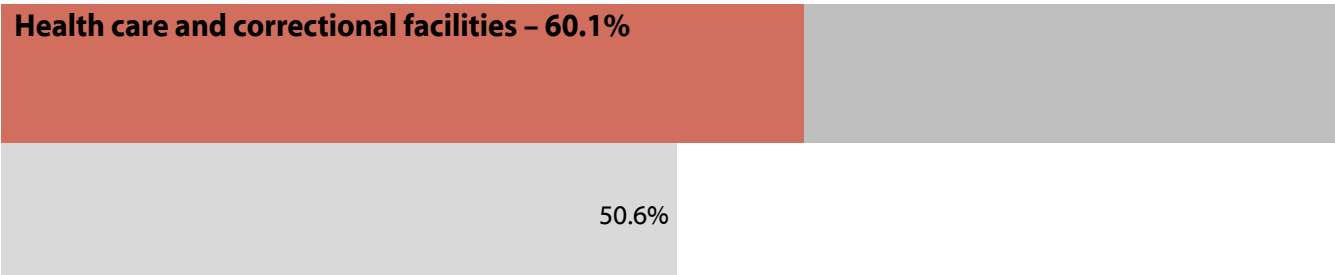
Referred to partner services

Referred
 Not referred
 Missing/invalid



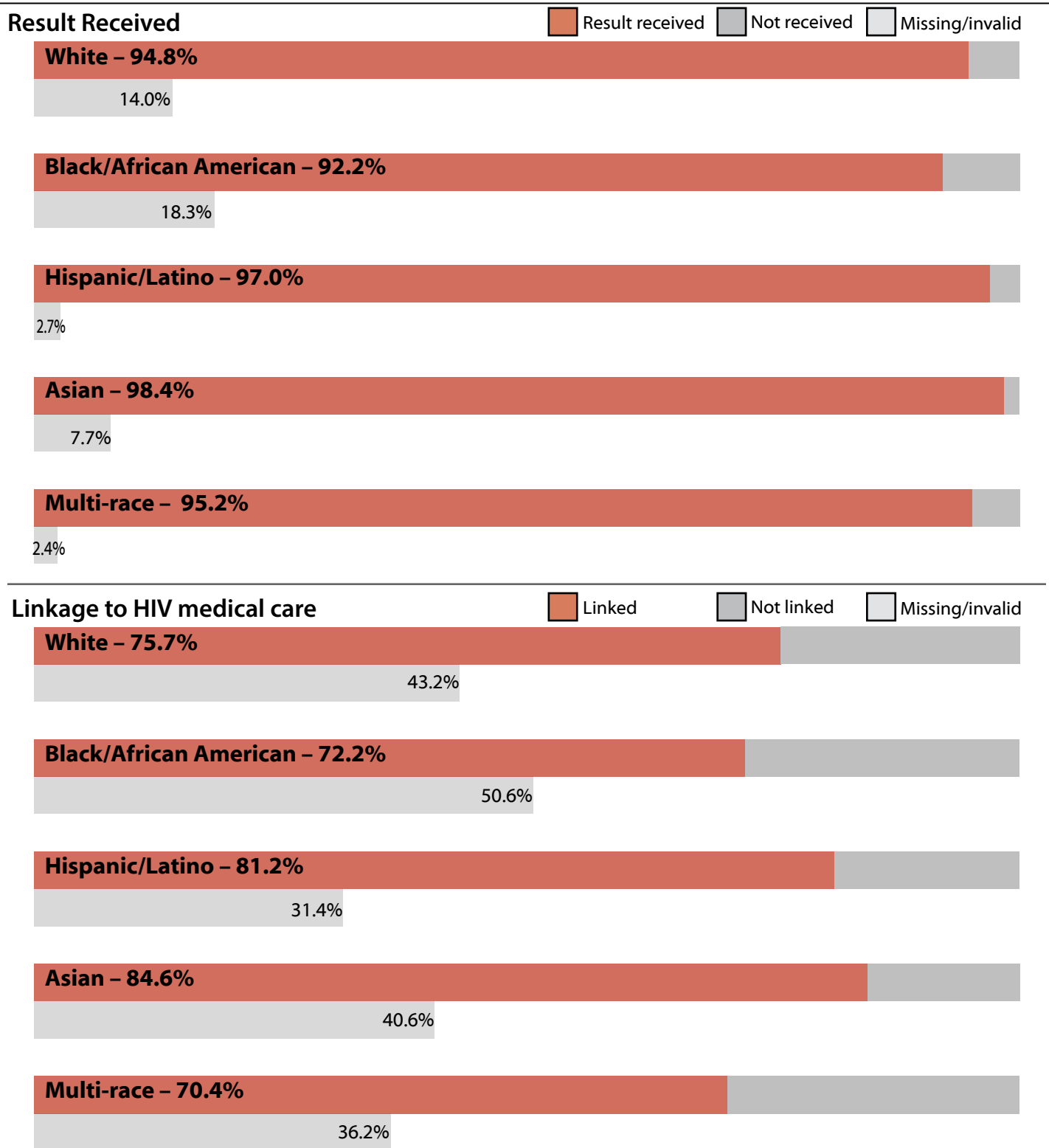
Referred to HIV prevention services

Referred
 Not referred
 Missing/invalid



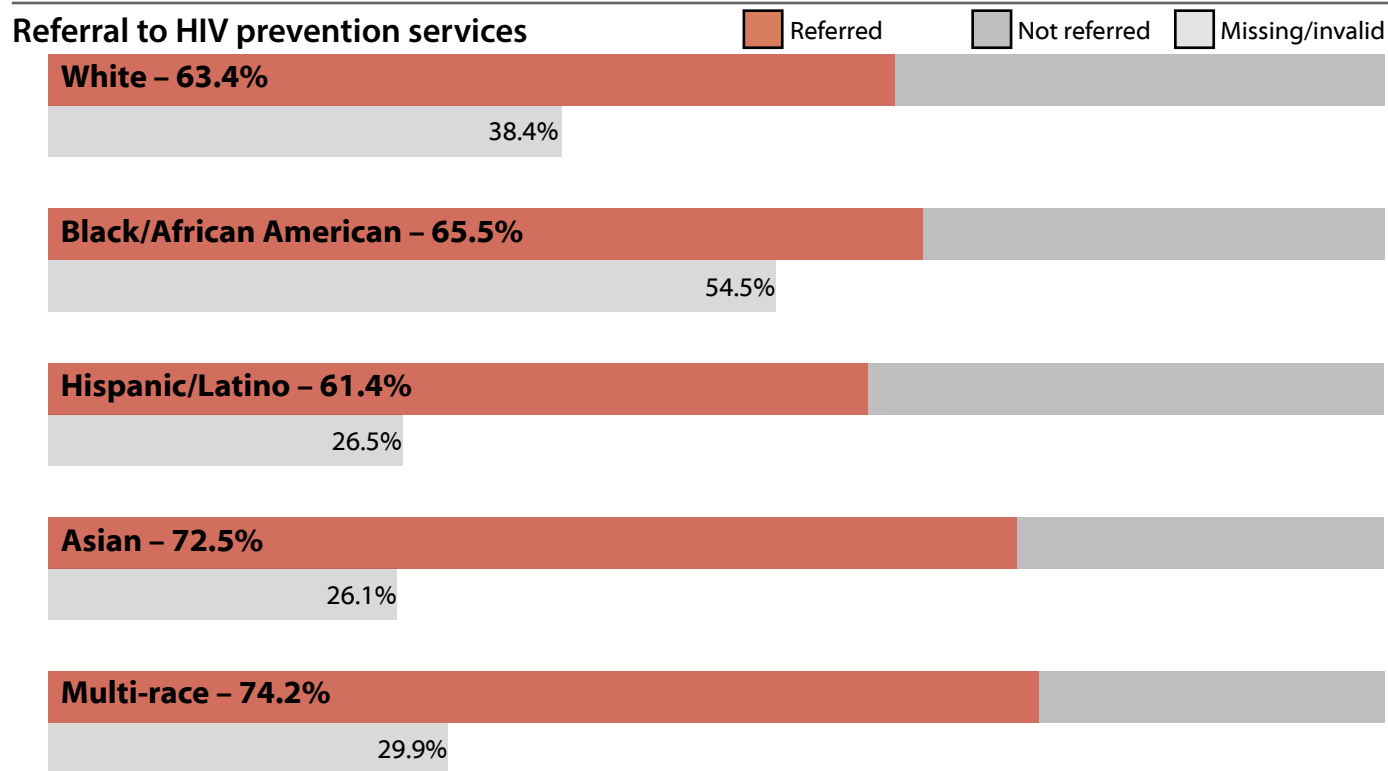
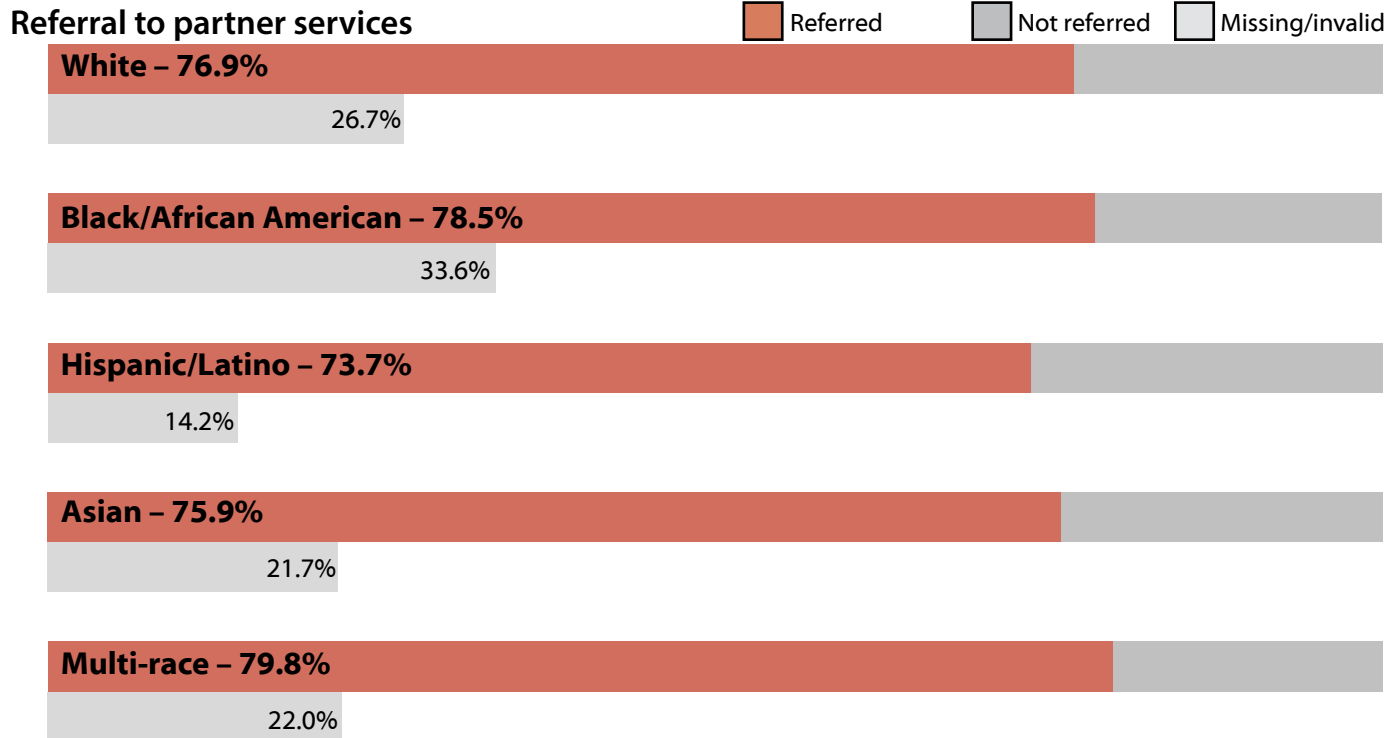
Indicator percentages sum to 100% and exclude 'Missing/invalid'. Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable testing site type group. Please refer to Tables 28-29 for figure data.

Figure 6a: Receipt of test results and linkage to HIV medical care among newly identified confirmed HIV-positive testing events, by race/ethnicity, including indicator and missing/invalid percentages, 55 health departments submitting test-level data in the United States and Puerto Rico, 2011



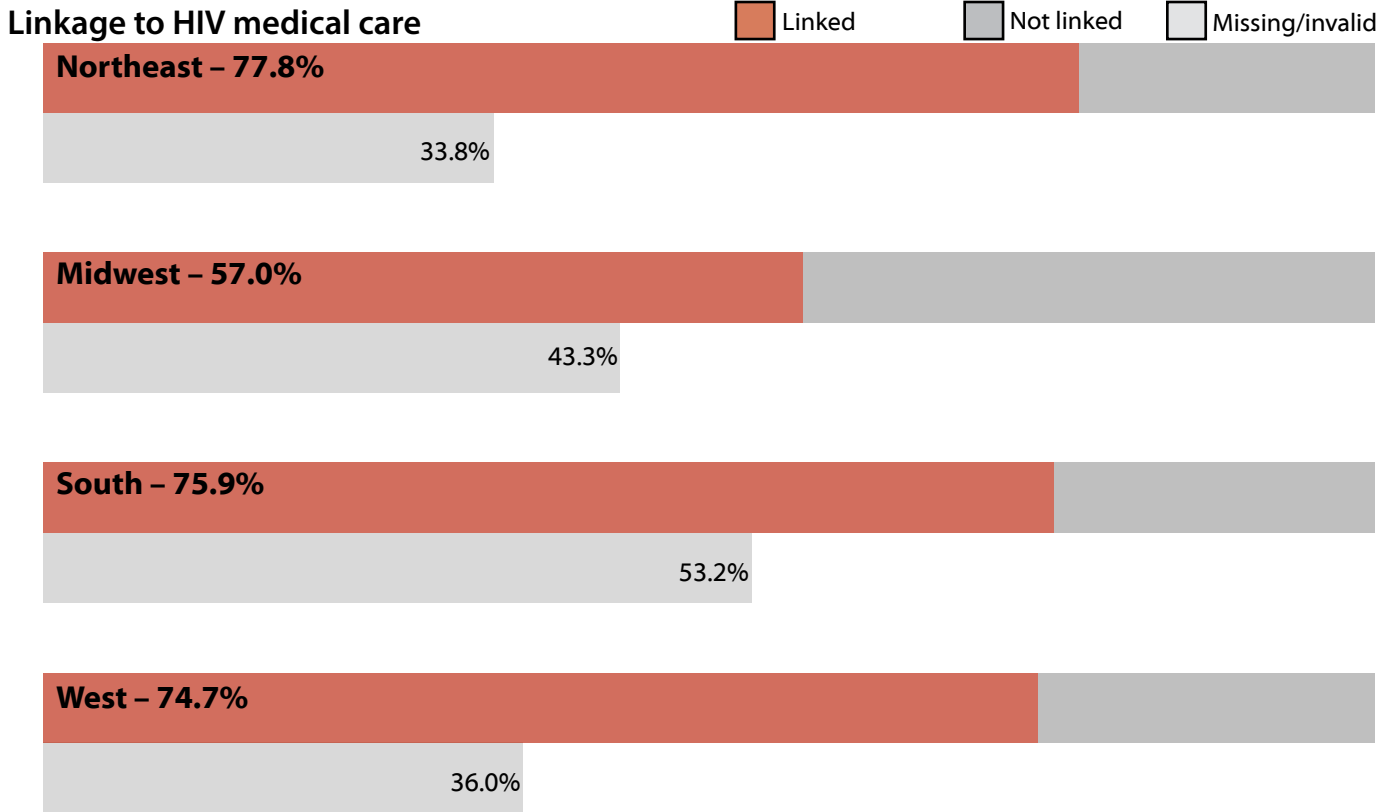
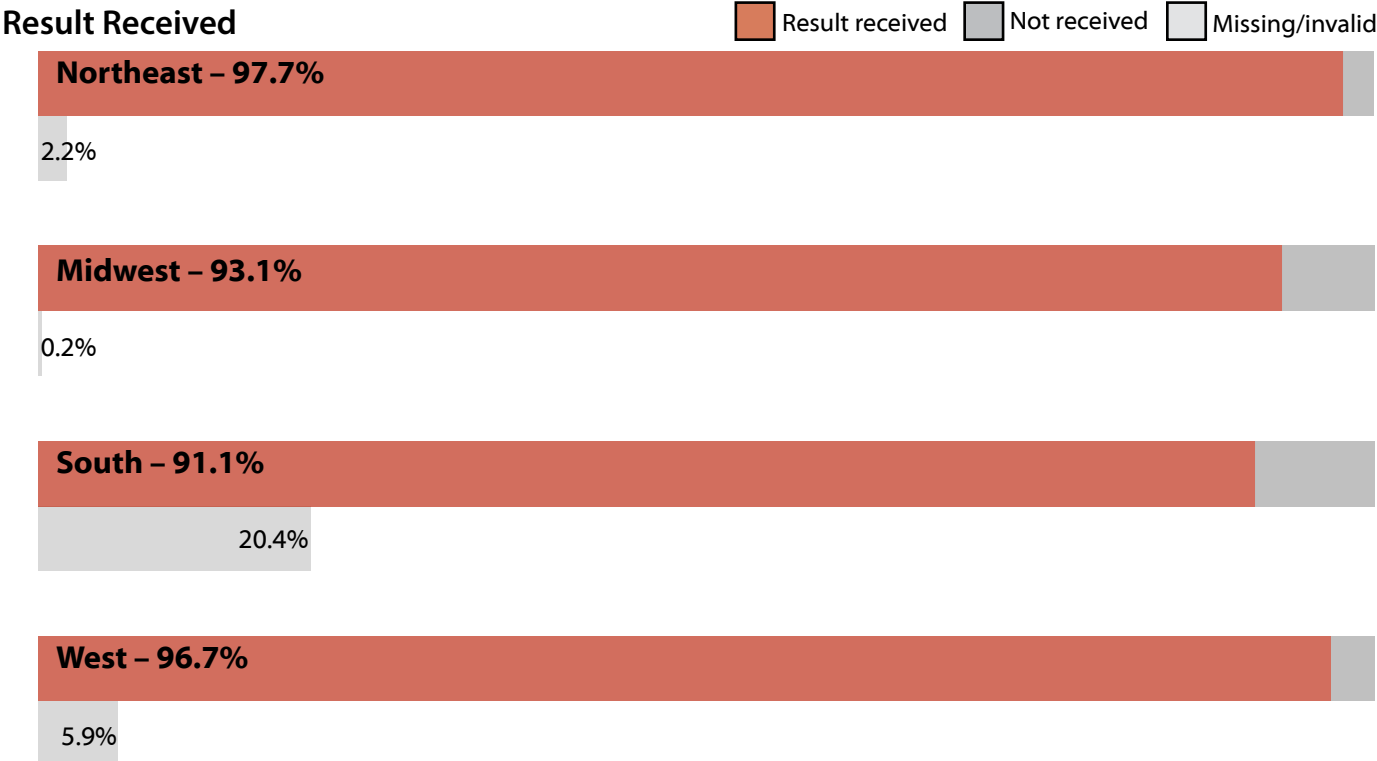
American Indian/Alaska Natives and Native Hawaiian/Pacific Islanders are omitted due to less than 100 newly identified confirmed HIV-positive testing events conducted and the potential for unreliable estimates. Indicator percentages sum to 100% and exclude 'Missing/invalid'. Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable race/ethnicity group. Please refer to Table 15 for figure data.

Figure 6b: Referrals to partner and HIV prevention services among newly identified confirmed HIV-positive individuals, by race/ethnicity, including indicator and missing/invalid percentages, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011



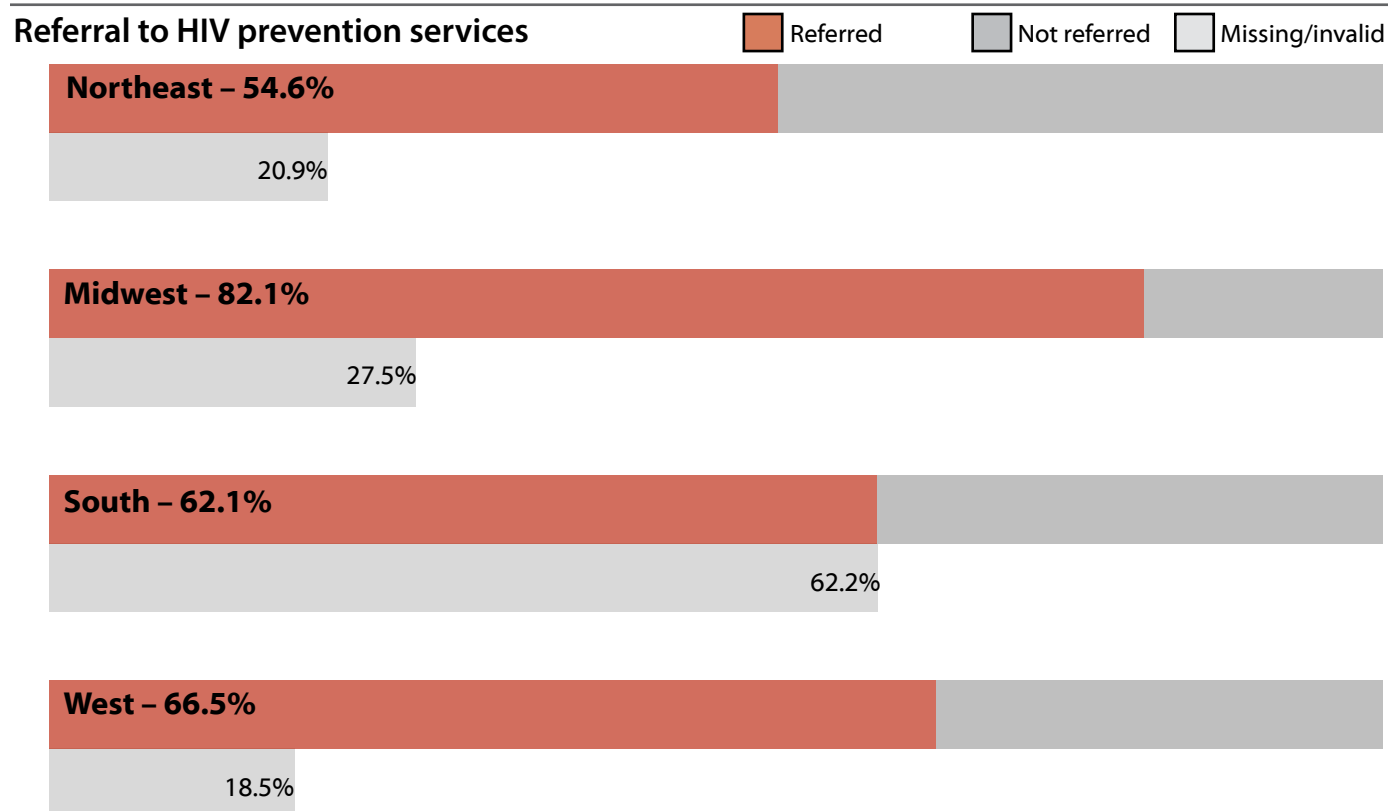
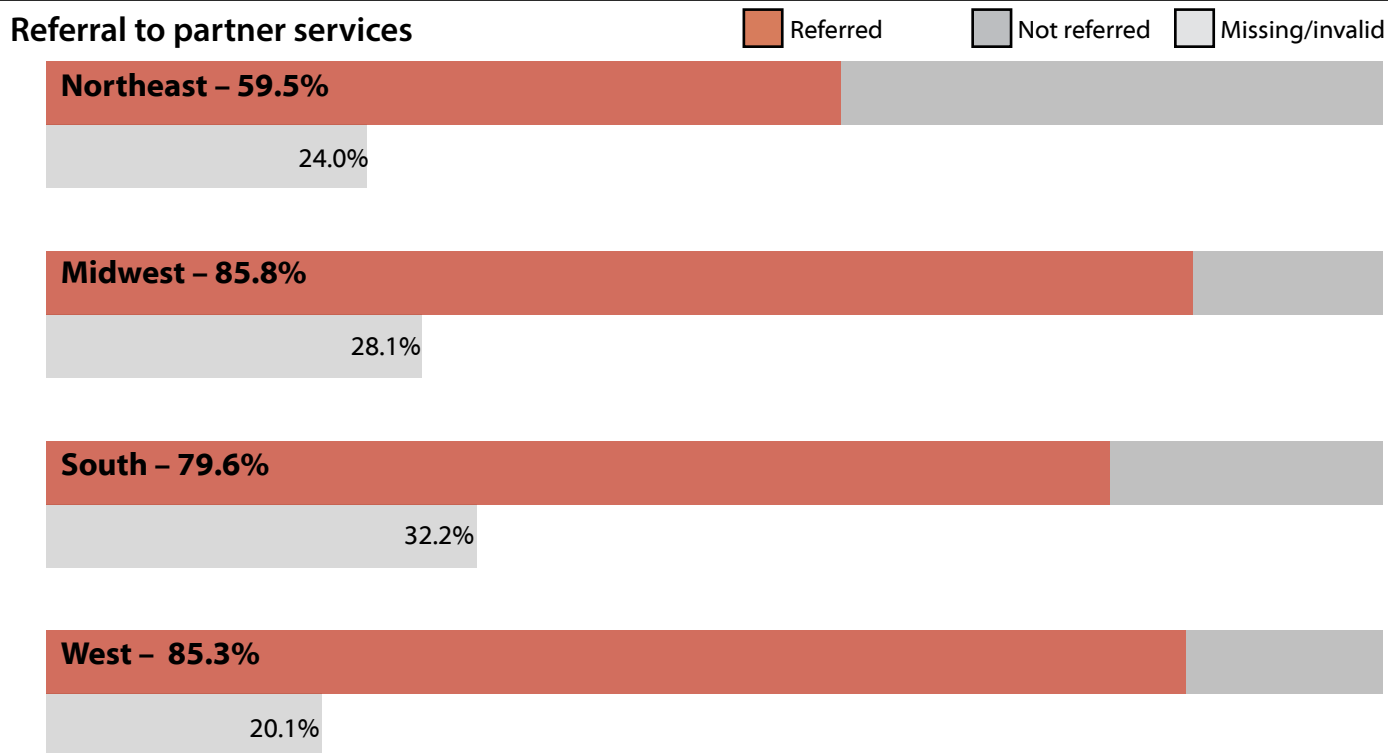
American Indian/Alaska Natives and Native Hawaiian/Pacific Islanders are omitted due to less than 100 newly identified confirmed HIV-positive testing events conducted and the potential for unreliable estimates. Indicator percentages sum to 100% and exclude 'Missing/invalid'. Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable race/ethnicity group. Please refer to Table 24 for figure data.

Figure 7a: Receipt of test results and linkage to HIV medical care among newly identified confirmed HIV-positive individuals, by geographic region, including indicator and missing/invalid percentages, 54 health department jurisdictions submitting test-level data in the United States, 2011



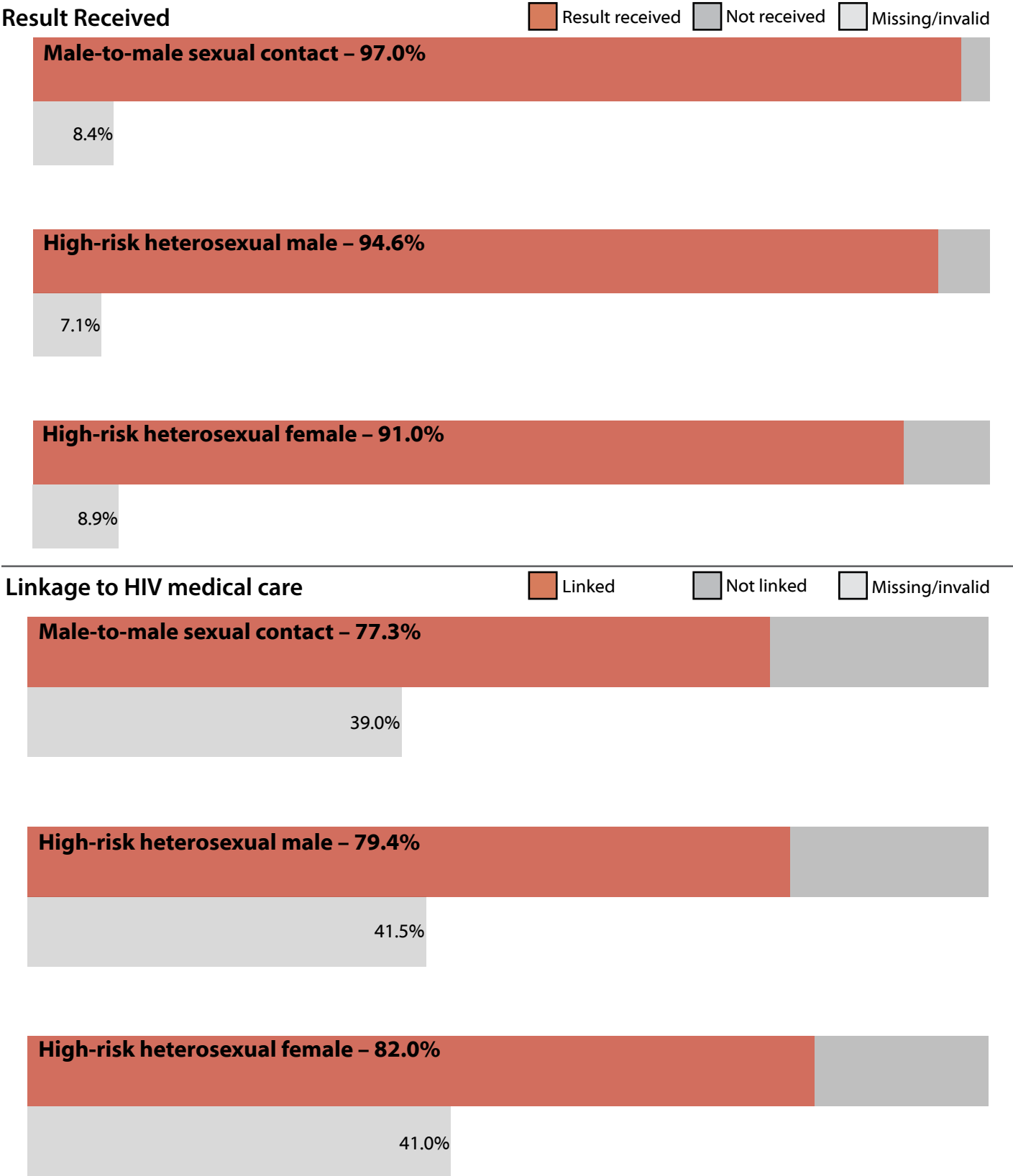
Puerto Rico is omitted.
 Indicator percentages sum to 100% and exclude 'Missing/invalid'.
 Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable region group.
 Please refer to Table 15 for figure data.

Figure 7b: Referral to partner and HIV prevention services among newly identified confirmed HIV-positive individuals, by geographic region, including indicator and missing/invalid percentages, 54 health department jurisdictions submitting test-level data in the United States, 2011



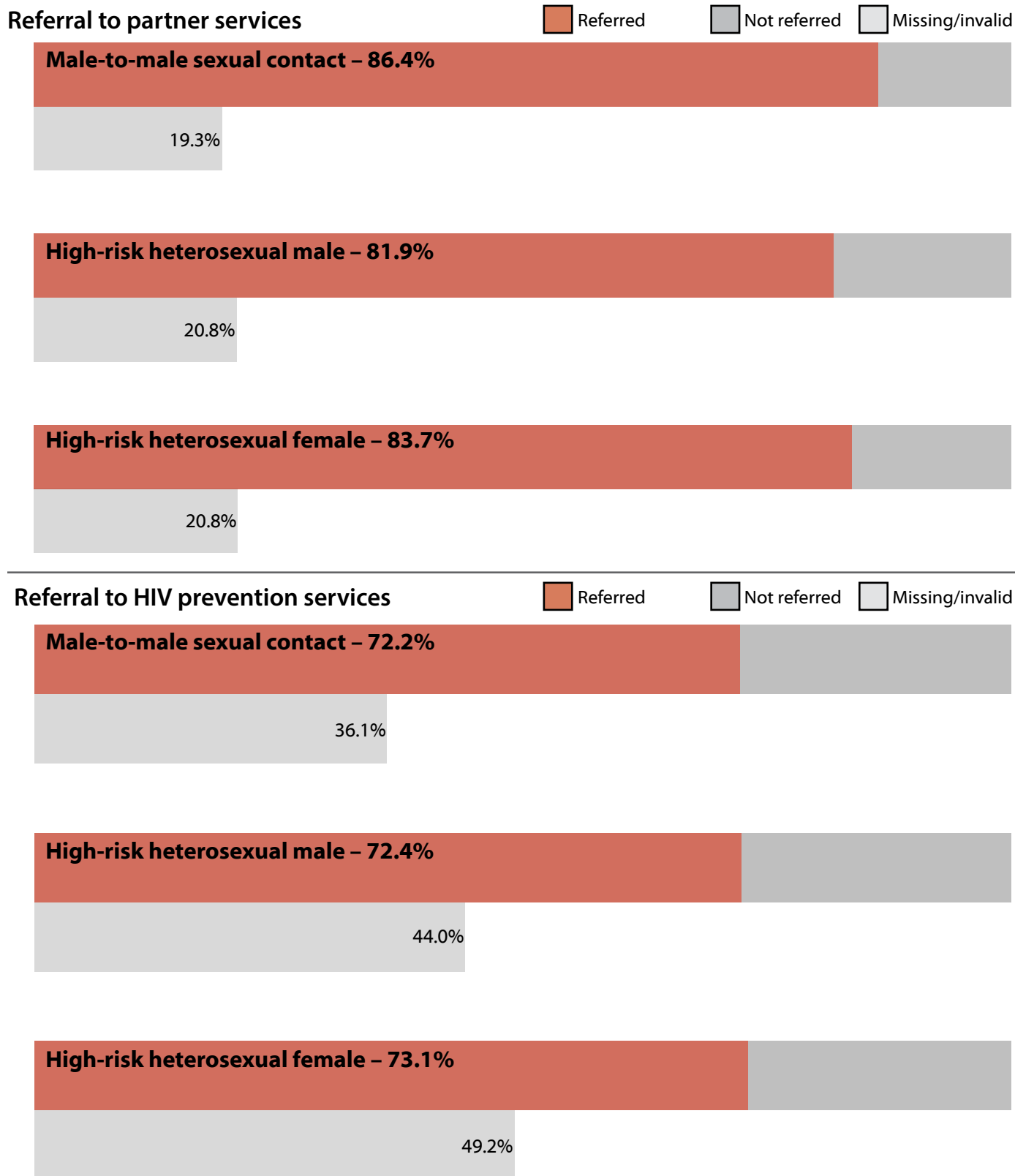
Puerto Rico is omitted.
 Indicator percentages sum to 100% and exclude 'Missing/invalid' data.
 Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable region group.
 Please refer to Table 24 for figure data.

Figure 8a: Receipt of test results and linkage to HIV medical care among newly identified confirmed HIV-positive individuals, by risk groups, including indicator and missing/invalid percentages, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011



Indicator percentages sum to 100% and exclude 'Missing/invalid'. Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable risk group. Please refer to Tables 21-23 for figure data.

Figure 8b: Referral to partner and HIV prevention services among newly identified confirmed HIV-positive individuals, by risk groups, including indicator and missing/invalid percentages, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011



Indicator percentages sum to 100% and exclude 'Missing/invalid'.
 Denominator for 'Missing/invalid' percentage is all newly identified confirmed HIV-positive testing events in applicable risk group.
 Please refer to Tables 30-32 for figure data.

Table Section 1

CDC-funded HIV testing events by jurisdiction

Table 1: Number of HIV testing events and HIV positivity percentages by CDC-funded health department jurisdiction, United States, Puerto Rico and the U.S. Virgin Islands, 2011

CDC-funded health department jurisdiction	HIV testing events	HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events		Newly identified confirmed HIV-positive testing events	
	Number	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Alabama	103,398	606	(0.6)	0	(0)	606	(0.6)	380	(0.4)
Alaska	1,996	3	(0.2)	1	(0.1)	2	(0.1)	2	(0.1)
Arizona	24,002	403	(1.7)	18	(0.1)	385	(1.6)	323	(1.3)
Arkansas	44,784	664	(1.5)	36	(0.1)	618	(1.4)	544	(1.2)
California									
Los Angeles	91,302	1,131	(1.2)	311	(0.3)	820	(0.9)	692	(0.8)
San Francisco	42,059	809	(1.9)	166	(0.4)	643	(1.5)	384	(0.9)
California (excludes Los Angeles and San Francisco)	49,202	516	(1.0)	200	(0.4)	316	(0.6)	279	(0.6)
Colorado	13,692	237	(1.7)	64	(0.5)	173	(1.3)	130	(0.9)
Connecticut	28,271	99	(0.4)	13	(0)	86	(0.3)	71	(0.3)
Delaware ^a	10,676	67	(0.6)	15	(0.1)	52	(0.5)	40	(0.4)
District of Columbia	129,464	897	(0.7)	714	(0.6)	183	(0.1)	169	(0.1)
Florida	417,274	4,981	(1.2)	429	(0.1)	4,552	(1.1)	2,734	(0.7)
Georgia	117,110	1,089	(0.9)	145	(0.1)	944	(0.8)	672	(0.6)
Hawaii	8,347	39	(0.5)	7	(0.1)	32	(0.4)	31	(0.4)
Idaho	6,162	19	(0.3)	11	(0.2)	8	(0.1)	8	(0.1)
Illinois									
Chicago ^b	56,612	...	...	...	...	385	(0.7)	...	...
Illinois (excludes Chicago) ^b	13,445	...	...	...	...	153	(1.1)	...	...
Indiana	15,534	140	(0.9)	30	(0.2)	110	(0.7)	101	(0.7)
Iowa	6,091	39	(0.6)	6	(0.1)	33	(0.5)	30	(0.5)
Kansas	30,028	80	(0.3)	9	(0)	71	(0.2)	61	(0.2)
Kentucky	17,774	139	(0.8)	60	(0.3)	78	(0.4)	68	(0.4)
Louisiana	102,841	1,315	(1.3)	104	(0.1)	1,211	(1.2)	1,127	(1.1)
Maine	4,709	30	(0.6)	12	(0.3)	18	(0.4)	17	(0.4)
Maryland	102,595	1,121	(1.1)	329	(0.3)	792	(0.8)	693	(0.7)
Massachusetts	66,463	387	(0.6)	162	(0.2)	221	(0.3)	158	(0.2)
Michigan	73,410	491	(0.7)	82	(0.1)	409	(0.6)	334	(0.5)
Minnesota	13,821	95	(0.7)	40	(0.3)	55	(0.4)	48	(0.3)
Mississippi	93,131	1,052	(1.1)	7	(0)	1,045	(1.1)	1,044	(1.1)
Missouri	68,923	470	(0.7)	35	(0.1)	435	(0.6)	387	(0.6)
Montana ^c	4,600	17	(0.4)	13	(0.3)	4	(0.1)	4	(0.1)
Nebraska ^d	8,001	43	(0.5)	13	(0.2)	30	(0.4)	29	(0.4)
Nevada ^b	25,399	...	...	...	...	303	(1.2)	...	...
New Hampshire	2,659	10	(0.4)	3	(0.1)	7	(0.3)	6	(0.2)
New Jersey	103,710	681	(0.7)	122	(0.1)	559	(0.5)	492	(0.5)

CDC-funded jurisdiction	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events		Newly identified confirmed HIV-positive testing events	
	Number	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)	
New Mexico ^e	9,234	53	(0.6)	12	(0.1)	41	(0.4)	24	(0.3)	
New York										
New York City	150,047	1,191	(0.8)	327	(0.2)	864	(0.6)	742	(0.5)	
New York (excludes New York City)	173,360	1,041	(0.6)	156	(0.1)	883	(0.5)	685	(0.4)	
North Carolina ^f	232,829	1,122	(0.5)	76	(0)	1,046	(0.4)	799	(0.3)	
North Dakota	3,739	17	(0.5)	0	(0)	17	(0.5)	15	(0.4)	
Ohio ^g	59,283	399	(0.7)	195	(0.3)	203	(0.3)	185	(0.3)	
Oklahoma	21,960	200	(0.9)	34	(0.2)	166	(0.8)	125	(0.6)	
Oregon	13,382	130	(1.0)	36	(0.3)	94	(0.7)	84	(0.6)	
Pennsylvania										
Philadelphia	98,766	863	(0.9)	271	(0.3)	592	(0.6)	473	(0.5)	
Pennsylvania (excludes Philadelphia)	84,262	405	(0.5)	46	(0.1)	359	(0.4)	297	(0.4)	
Rhode Island	2,159	22	(1.0)	11	(0.5)	11	(0.5)	11	(0.5)	
South Carolina	77,853	794	(1.0)	203	(0.3)	591	(0.8)	579	(0.7)	
South Dakota	1,105	1	(0.1)	0	(0)	1	(0.1)	1	(0.1)	
Tennessee	135,306	1,190	(0.9)	59	(0)	1,131	(0.8)	823	(0.6)	
Texas										
Houston	71,643	1,148	(1.6)	75	(0.1)	1,073	(1.5)	299	(0.4)	
Texas (excludes Houston)	195,286	1,835	(0.9)	97	(0)	1,738	(0.9)	1,290	(0.7)	
Utah	7,617	34	(0.4)	15	(0.2)	19	(0.2)	15	(0.2)	
Vermont	3,105	5	(0.2)	3	(0.1)	2	(0.1)	2	(0.1)	
Virginia	72,983	322	(0.4)	16	(0)	306	(0.4)	258	(0.4)	
Washington	16,242	245	(1.5)	20	(0.1)	225	(1.4)	144	(0.9)	
West Virginia	5,356	29	(0.5)	6	(0.1)	23	(0.4)	23	(0.4)	
Wisconsin	14,490	105	(0.7)	19	(0.1)	86	(0.6)	74	(0.5)	
Wyoming	6,725	6	(0.1)	3	(<0.1)	3	(<0.1)	3	(<0.1)	
Puerto Rico	42,758	713	(1.7)	27	(0.1)	686	(1.6)	437	(1.0)	
U.S. Virgin Islands ^b	4,033	...	...	...	...	15	(0.4)	...	...
Total	3,401,008	29,540	(0.9)^h	4,864	(0.1)^h	25,514	(0.8)	18,446	(0.6)^h	

Note: Ellipses (...) indicate data not available

^a 1,409 HIV testing events are missing due to PEMS data extraction issue.

^b Represents only aggregate level data. Jurisdictions reporting aggregate level data reported only total testing events and confirmed HIV-positive testing events.

^c 416 HIV testing events are missing, including 4 HIV-positive testing events due to a PEMS data extraction issue.

^d 440 HIV testing events are missing, including 3 HIV-positive testing events due to a PEMS data extraction issue.

^e 287 HIV testing events are missing, including 16 HIV-positive testing events due to a PEMS data extraction issue.

^f HIV testing events are missing data from the North Carolina HIV Prevention Program due to non-submission from that agency.

^g 40 confirmed HIV-positive testing events are missing.

^h Denominator for these percentages is 3,301,519 and includes only test-level data.

Table 2: Number of HIV testing events and HIV positivity percentages by CDC-funded health department jurisdiction and gender, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

CDC-funded health department jurisdiction	Male				Female				Transgender			
	HIV testing events		HIV-positive testing events		HIV testing events		HIV-positive testing events		HIV testing events		HIV-positive testing events	
	Number	(Juris. %)	Number	(Positive %)	Number	(%)	Number	(Positive %)	Number	(%)	Number	(Positive %)
Alabama	43,135	(41.7)	463	(1.1)	60,190	(58.2)	143	(0.2)	3	(0.0)	0	(0.0)
Alaska	1,166	(58.4)	3	(0.3)	829	(41.5)	0	(0.0)	0	(0.0)	0	(0.0)
Arizona	15,627	(65.1)	371	(2.4)	8,264	(34.4)	32	(0.4)	111	(0.5)	0	(0.0)
Arkansas	11,625	(26.0)	378	(3.3)	30,969	(69.2)	271	(0.9)	36	(0.1)	2	(5.6)
California												
Los Angeles	59,720	(65.4)	999	(1.7)	30,712	(33.6)	70	(0.2)	868	(1.0)	62	(7.1)
San Francisco	27,156	(64.6)	690	(2.5)	14,284	(34.0)	110	(0.8)	279	(0.7)	9	(3.2)
California (excludes Los Angeles and San Francisco)	32,133	(65.3)	434	(1.4)	16,603	(33.7)	72	(0.4)	412	(0.8)	9	(2.2)
Colorado	8,821	(64.4)	214	(2.4)	4,839	(35.3)	21	(0.4)	9	(0.1)	1	(11.1)
Connecticut	18,399	(65.1)	80	(0.4)	9,788	(34.6)	18	(0.2)	79	(0.3)	1	(1.3)
Delaware	5,188	(48.6)	50	(1.0)	5,449	(51.0)	17	(0.3)	2	(0.0)	0	(0.0)
District of Columbia	64,785	(50.0)	584	(0.9)	64,097	(49.5)	284	(0.4)	250	(0.2)	27	(10.8)
Florida	185,143	(44.4)	3,619	(2.0)	227,893	(54.6)	1,266	(0.6)	311	(0.1)	23	(7.4)
Georgia	43,705	(37.3)	865	(2.0)	73,261	(62.6)	215	(0.3)	144	(0.1)	9	(6.3)
Hawaii	5,541	(66.4)	31	(0.6)	2,687	(32.2)	6	(0.2)	119	(1.4)	2	(1.7)
Idaho	3,313	(53.8)	18	(0.5)	2,835	(46.0)	1	(0.0)	12	(0.2)	0	(0.0)
Indiana	8,568	(55.2)	124	(1.4)	6,926	(44.6)	13	(0.2)	40	(0.3)	3	(7.5)
Iowa	3,895	(63.9)	32	(0.8)	2,191	(36.0)	7	(0.3)	5	(0.1)	0	(0.0)
Kansas	9,365	(31.2)	68	(0.7)	20,634	(68.7)	12	(0.1)	26	(0.1)	0	(0.0)
Kentucky	7,670	(43.2)	99	(1.3)	9,955	(56.0)	39	(0.4)	13	(0.1)	0	(0.0)
Louisiana	52,998	(51.5)	1,010	(1.9)	48,837	(47.5)	291	(0.6)	121	(0.1)	9	(7.4)
Maine	3,099	(65.8)	24	(0.8)	1,543	(32.8)	6	(0.4)	23	(0.5)	0	(0.0)
Maryland	55,639	(54.2)	836	(1.5)	45,080	(43.9)	268	(0.6)	102	(0.1)	9	(8.8)
Massachusetts	37,691	(56.7)	277	(0.7)	28,100	(42.3)	105	(0.4)	188	(0.3)	4	(2.1)
Michigan	39,552	(53.9)	419	(1.1)	33,692	(45.9)	67	(0.2)	166	(0.2)	5	(3.0)
Minnesota	9,384	(67.9)	79	(0.8)	4,401	(31.8)	15	(0.3)	36	(0.3)	1	(2.8)
Mississippi	31,137	(33.4)	748	(2.4)	61,864	(66.4)	300	(0.5)	12	(0.0)	0	(0.0)
Missouri	31,339	(45.5)	393	(1.3)	36,954	(53.6)	73	(0.2)	26	(0.0)	2	(7.7)
Montana	2,551	(55.5)	12	(0.5)	2,036	(44.3)	5	(0.2)	13	(0.3)	0	(0.0)
Nebraska	4,238	(53.0)	37	(0.9)	3,754	(46.9)	6	(0.2)	5	(0.1)	0	(0.0)
New Hampshire	1,355	(51.0)	8	(0.6)	1,302	(49.0)	2	(0.2)	2	(0.1)	0	(0.0)
New Jersey	48,805	(47.1)	455	(0.9)	54,488	(52.5)	213	(0.4)	52	(0.1)	7	(13.5)
New Mexico	5,555	(60.2)	46	(0.8)	3,573	(38.7)	6	(0.2)	51	(0.6)	1	(2.0)
New York												
New York City	77,375	(51.6)	895	(1.2)	72,191	(48.1)	271	(0.4)	462	(0.3)	25	(5.4)
New York (excludes New York City)	81,751	(47.2)	699	(0.9)	90,942	(52.5)	322	(0.4)	667	(0.4)	20	(3.0)
North Carolina	70,978	(30.5)	840	(1.2)	161,008	(69.2)	277	(0.2)	0	(0.0)	0	(0.0)
North Dakota	1,750	(46.8)	10	(0.6)	1,959	(52.4)	7	(0.4)	0	(0.0)	0	(0.0)
Ohio	33,300	(56.2)	321	(1.0)	25,779	(43.5)	77	(0.3)	75	(0.1)	1	(1.3)
Oklahoma	11,530	(52.5)	171	(1.5)	10,421	(47.5)	28	(0.3)	9	(0.0)	1	(11.1)
Oregon	8,599	(64.3)	114	(1.3)	4,668	(34.9)	14	(0.3)	61	(0.5)	2	(3.3)
Pennsylvania												
Philadelphia	52,860	(53.5)	643	(1.2)	45,099	(45.7)	198	(0.4)	423	(0.4)	19	(4.5)
Pennsylvania (excludes Philadelphia)	49,513	(58.8)	298	(0.6)	33,916	(40.3)	103	(0.3)	71	(0.1)	2	(2.8)
Rhode Island	1,383	(64.1)	19	(1.4)	765	(35.4)	3	(0.4)	9	(0.4)	0	(0.0)
South Carolina	29,626	(38.1)	606	(2.0)	48,070	(61.7)	184	(0.4)	26	(0.0)	2	(7.7)
South Dakota	653	(59.1)	0	(0.0)	451	(40.8)	1	(0.2)	1	(0.1)	0	(0.0)
Tennessee	69,441	(51.3)	889	(1.3)	65,819	(48.6)	299	(0.5)	44	(0.0)	2	(4.5)
Texas												
Houston	34,675	(48.4)	802	(2.3)	36,938	(51.6)	338	(0.9)	26	(0.0)	7	(26.9)
Texas (excludes Houston)	106,708	(54.6)	1,476	(1.4)	88,178	(45.2)	344	(0.4)	323	(0.2)	14	(4.3)
Utah	5,165	(67.8)	27	(0.5)	2,419	(31.8)	7	(0.3)	29	(0.4)	0	(0.0)
Vermont	1,479	(47.6)	5	(0.3)	1,616	(52.0)	0	(0.0)	7	(0.2)	0	(0.0)
Virginia	30,313	(41.5)	266	(0.9)	42,484	(58.2)	52	(0.1)	180	(0.2)	4	(2.2)
Washington	12,293	(75.7)	226	(1.8)	3,851	(23.7)	18	(0.5)	68	(0.4)	1	(1.5)
West Virginia	2,684	(50.1)	25	(0.9)	2,672	(49.9)	4	(0.1)	0	(0.0)	0	(0.0)
Wisconsin	10,410	(71.8)	89	(0.9)	3,987	(27.5)	14	(0.4)	93	(0.6)	2	(2.2)
Wyoming	3,070	(45.7)	5	(0.2)	3,654	(54.3)	1	(0.0)	1	(0.0)	0	(0.0)
Puerto Rico	20,260	(47.4)	507	(2.5)	22,397	(52.4)	203	(0.9)	101	(0.2)	3	(3.0)
Total	1,594,114	(48.3)	22,399	(1.4)	1,687,314	(51.1)	6,719	(0.4)	6,192	(0.2)	291	(4.7)

Notes: Jurisdictions submitting aggregate level data are excluded. See Technical Notes for definition of HIV-positive testing event. Jurisdiction percentage is of total test events in each jurisdiction presented on Table 1.

Table 3: Number of HIV testing events and HIV positivity percentages by CDC-funded health department jurisdiction by testing site type, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

CDC-funded health department jurisdiction	Health care and correctional facilities				Non-health care facilities			
	HIV testing events		HIV-positive testing events		HIV testing events		HIV-positive testing events	
	Number	(Jurisdiction %)	Number	(Positive %)	Number	(Jurisdiction %)	Number	(Positive %)
Alabama	90,417	(87.4)	542	(0.6)	0	(0)	0	(0)
Alaska	409	(20.5)	0	(0)	1,587	(79.5)	3	(0.2)
Arizona	15,318	(63.8)	245	(1.6)	7,352	(30.6)	152	(2.1)
Arkansas	42,199	(94.2)	622	(1.5)	2,583	(5.8)	40	(1.5)
California								
Los Angeles	40,761	(44.6)	244	(0.6)	49,684	(54.4)	876	(1.8)
San Francisco	27,404	(65.2)	567	(2.1)	14,655	(34.8)	242	(1.7)
California (excludes Los Angeles and San Francisco)	28,027	(57.0)	301	(1.1)	18,450	(37.5)	156	(0.8)
Colorado	7,883	(57.6)	149	(1.9)	5,809	(42.4)	88	(1.5)
Connecticut	24,738	(87.5)	66	(0.3)	3,489	(12.3)	33	(0.9)
Delaware	6,194	(58.0)	41	(0.7)	4,394	(41.2)	26	(0.6)
District of Columbia	98,438	(76.0)	498	(0.5)	31,018	(24.0)	399	(1.3)
Florida	273,191	(65.5)	2,724	(1.0)	144,025	(34.5)	2,256	(1.6)
Georgia	95,222	(81.3)	750	(0.8)	16,185	(13.8)	211	(1.3)
Hawaii	5,113	(61.3)	10	(0.2)	3,163	(37.9)	28	(0.9)
Idaho	3,226	(52.4)	11	(0.3)	2,827	(45.9)	7	(0.2)
Indiana	9,111	(58.7)	60	(0.7)	6,045	(38.9)	78	(1.3)
Iowa	3,669	(60.2)	19	(0.5)	2,417	(39.7)	20	(0.8)
Kansas	23,478	(78.2)	48	(0.2)	2,459	(8.2)	30	(1.2)
Kentucky	16,412	(92.3)	112	(0.7)	1,358	(7.6)	27	(2.0)
Louisiana	88,853	(86.4)	1,065	(1.2)	13,889	(13.5)	249	(1.8)
Maine	2,548	(54.1)	13	(0.5)	2,147	(45.6)	17	(0.8)
Maryland	79,599	(77.6)	794	(1.0)	22,741	(22.2)	325	(1.4)
Massachusetts	57,121	(85.9)	302	(0.5)	9,342	(14.1)	85	(0.9)
Michigan	58,573	(79.8)	300	(0.5)	14,837	(20.2)	191	(1.3)
Minnesota	11,160	(80.7)	79	(0.7)	2,648	(19.2)	13	(0.5)
Mississippi	92,863	(99.7)	1,052	(1.1)	268	(0.3)	0	(0)
Missouri	58,453	(84.8)	308	(0.5)	10,470	(15.2)	162	(1.5)
Montana	2,681	(58.3)	10	(0.4)	1,876	(40.8)	7	(0.4)
Nebraska	3,657	(45.7)	15	(0.4)	2,471	(30.9)	23	(0.9)
New Hampshire	2,428	(91.3)	7	(0.3)	230	(8.6)	3	(1.3)
New Jersey	63,570	(61.3)	353	(0.6)	36,782	(35.5)	282	(0.8)
New Mexico	7,315	(79.2)	46	(0.6)	1,917	(20.8)	7	(0.4)
New York								
New York City	85,645	(57.1)	599	(0.7)	47,832	(31.9)	557	(1.2)
New York (excludes New York City)	117,037	(67.5)	661	(0.6)	37,964	(21.9)	376	(1.0)
North Carolina	131,718	(56.6)	457	(0.3)	8,723	(3.7)	42	(0.5)
North Dakota	3,312	(88.6)	16	(0.5)	364	(9.7)	0	(0)
Ohio	47,162	(79.6)	301	(0.6)	12,099	(20.4)	98	(0.8)
Oklahoma	16,914	(77.0)	106	(0.6)	5,041	(23.0)	94	(1.9)
Oregon	10,133	(75.7)	74	(0.7)	3,244	(24.2)	56	(1.7)
Pennsylvania								
Philadelphia	76,842	(77.8)	535	(0.7)	21,681	(22.0)	328	(1.5)
Pennsylvania (excludes Philadelphia)	73,109	(86.8)	277	(0.4)	11,099	(13.2)	128	(1.2)
Rhode Island	633	(29.3)	11	(1.7)	1,179	(54.6)	9	(0.8)
South Carolina	68,880	(88.5)	658	(1.0)	8,777	(11.3)	134	(1.5)
South Dakota	992	(89.8)	1	(0.1)	113	(10.2)	0	(0)
Tennessee	121,188	(89.6)	1,039	(0.9)	8,777	(6.5)	117	(1.3)
Texas								
Houston	62,028	(86.6)	952	(1.5)	9,495	(13.3)	188	(2.0)
Texas (excludes Houston)	154,320	(79.0)	1,259	(0.8)	38,246	(19.6)	543	(1.4)
Utah	5,793	(76.1)	26	(0.4)	1,778	(23.3)	8	(0.4)
Vermont	2,075	(66.8)	3	(0.1)	1,030	(33.2)	2	(0.2)
Virginia	57,340	(78.6)	236	(0.4)	15,643	(21.4)	86	(0.5)
Washington	9,231	(56.8)	157	(1.7)	7,010	(43.2)	88	(1.3)
West Virginia	3,896	(72.7)	17	(0.4)	1,460	(27.3)	12	(0.8)
Wisconsin	8,518	(58.8)	40	(0.5)	5,746	(39.7)	62	(1.1)
Wyoming	6,415	(95.4)	6	(0.1)	310	(4.6)	0	(0)
Puerto Rico	23,482	(54.9)	524	(2.2)	18,196	(42.6)	180	(1.0)
Total	2,426,694	(73.5)	19,308	(0.8)	702,925	(21.3)	9,144	(1.3)

Notes: Jurisdictions submitting aggregate level data are excluded. See Technical Notes for definition of HIV-positive testing event. Jurisdiction percentage is of total test events in each jurisdiction presented on Table 1.

Table 4: Number of HIV testing events and HIV positivity percentages by CDC-funded health department jurisdiction by risk groups, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

CDC-funded health department jurisdiction	Men who have sex with men				High-risk heterosexual males				High-risk heterosexual females			
	HIV testing events		HIV-positive testing events		HIV testing events		HIV-positive testing events		HIV testing events		HIV-positive testing events	
	No.	(Juris. %)	No.	(pos. %)	No.	(Juris. %)	No.	(pos. %)	No.	(Juris. %)	No.	(pos. %)
Alabama	3,529	(3.4)	239	(6.8)	23,924	(23.1)	96	(0.4)	37,266	(36.0)	88	(0.2)
Alaska	237	(11.9)	1	(0.4)	708	(35.5)	2	(0.3)	573	(28.7)	0	(0)
Arizona	6,703	(27.9)	284	(4.2)	5,497	(22.9)	33	(0.6)	4,913	(20.5)	17	(0.3)
Arkansas	1,334	(3.0)	88	(6.6)	8,394	(18.7)	58	(0.7)	25,139	(56.1)	156	(0.6)
California												
Los Angeles	21,562	(23.6)	710	(3.3)	9,157	(10.0)	59	(0.6)	8,822	(9.7)	32	(0.4)
San Francisco	10,395	(24.7)	289	(2.8)	1,546	(3.7)	22	(1.4)	962	(2.3)	14	(1.5)
California (excludes Los Angeles and San Francisco)	10,193	(20.7)	203	(2.0)	11,023	(22.4)	40	(0.4)	8,406	(17.1)	29	(0.3)
Colorado	3,292	(24.0)	124	(3.8)	1,282	(9.4)	5	(0.4)	1,761	(12.9)	10	(0.6)
Connecticut	1,479	(5.2)	40	(2.7)	10,629	(37.6)	24	(0.2)	4,948	(17.5)	16	(0.3)
Delaware	1,052	(9.9)	33	(3.1)	2,497	(23.4)	8	(0.3)	3,751	(35.1)	11	(0.3)
District of Columbia	10,735	(8.3)	191	(1.8)	7,769	(6.0)	70	(0.9)	10,332	(8.0)	88	(0.9)
Florida	33,726	(8.1)	1,985	(5.9)	105,248	(25.2)	693	(0.7)	168,941	(40.5)	729	(0.4)
Georgia	11,175	(9.5)	612	(5.5)	28,197	(24.1)	200	(0.7)	61,273	(52.3)	179	(0.3)
Hawaii	1,762	(21.1)	24	(1.4)	2,904	(34.8)	6	(0.2)	2,123	(25.4)	3	(0.1)
Idaho	876	(14.2)	14	(1.6)	1,383	(22.4)	4	(0.3)	1,560	(25.3)	0	(0)
Indiana	2,923	(18.8)	89	(3.0)	3,270	(21.1)	15	(0.5)	4,345	(28.0)	9	(0.2)
Iowa	999	(16.4)	20	(2.0)	2,229	(36.6)	10	(0.4)	1,729	(28.4)	7	(0.4)
Kansas	1,964	(6.5)	46	(2.3)	5,442	(18.1)	16	(0.3)	16,591	(55.3)	11	(0.1)
Kentucky	1,469	(8.3)	55	(3.7)	5,027	(28.3)	32	(0.6)	8,610	(48.4)	29	(0.3)
Louisiana	3,976	(3.9)	243	(6.1)	13,218	(12.9)	95	(0.7)	22,052	(21.4)	105	(0.5)
Maine	1,255	(26.7)	19	(1.5)	1,064	(22.6)	2	(0.2)	941	(20.0)	4	(0.4)
Maryland	3,752	(3.7)	275	(7.3)	16,796	(16.4)	129	(0.8)	17,569	(17.1)	97	(0.6)
Massachusetts	7,335	(11.0)	144	(2.0)	17,801	(26.8)	88	(0.5)	13,516	(20.3)	68	(0.5)
Michigan	5,503	(7.5)	321	(5.8)	24,422	(33.3)	56	(0.2)	24,479	(33.3)	54	(0.2)
Minnesota	3,554	(25.7)	64	(1.8)	4,064	(29.4)	7	(0.2)	3,013	(21.8)	8	(0.3)
Mississippi	1,631	(1.8)	251	(15.4)	6,063	(6.5)	69	(1.1)	15,154	(16.3)	88	(0.6)
Missouri	2,760	(4.0)	157	(5.7)	7,287	(10.6)	34	(0.5)	7,506	(10.9)	20	(0.3)
Montana	651	(14.2)	9	(1.4)	1,290	(28.0)	1	(0.1)	1,422	(30.9)	2	(0.1)
Nebraska	1,177	(14.7)	31	(2.6)	2,680	(33.5)	6	(0.2)	3,245	(40.6)	6	(0.2)
New Hampshire	275	(10.3)	7	(2.5)	702	(26.4)	1	(0.1)	986	(37.1)	1	(0.1)
New Jersey	5,414	(5.2)	225	(4.2)	33,977	(32.8)	150	(0.4)	40,735	(39.3)	160	(0.4)
New Mexico	1,905	(20.6)	35	(1.8)	2,344	(25.4)	5	(0.2)	2,477	(26.8)	5	(0.2)
New York												
New York City	8,582	(5.7)	404	(4.7)	3,885	(2.6)	72	(1.9)	3,932	(2.6)	51	(1.3)
New York (excludes New York City)	9,382	(5.4)	356	(3.8)	21,439	(12.4)	197	(0.9)	23,300	(13.4)	194	(0.8)
North Carolina	6,198	(2.7)	383	(6.2)	10,511	(4.5)	59	(0.6)	8,467	(3.6)	49	(0.6)
North Dakota	3	(0.1)	0	(0)	31	(0.8)	0	(0)	20	(0.5)	0	(0)
Ohio	7,080	(11.9)	206	(2.9)	19,334	(32.6)	69	(0.4)	19,132	(32.3)	58	(0.3)
Oklahoma	2,473	(11.3)	133	(5.4)	3,337	(15.2)	8	(0.2)	3,712	(16.9)	13	(0.4)
Oregon	3,343	(25.0)	94	(2.8)	3,215	(24.0)	1	(0)	2,961	(22.1)	6	(0.2)
Pennsylvania												
Philadelphia	9,602	(9.7)	310	(3.2)	18,449	(18.7)	155	(0.8)	28,179	(28.5)	121	(0.4)
Pennsylvania (excludes Philadelphia)	4,669	(5.5)	131	(2.8)	21,796	(25.9)	81	(0.4)	19,368	(23.0)	37	(0.2)
Rhode Island	680	(31.5)	14	(2.1)	472	(21.9)	5	(1.1)	585	(27.1)	2	(0.3)
South Carolina	1,953	(2.5)	96	(4.9)	2,425	(3.1)	34	(1.4)	2,884	(3.7)	39	(1.4)
South Dakota	98	(8.9)	0	(0)	395	(35.7)	0	(0)	297	(26.9)	1	(0.3)
Tennessee	2,924	(2.2)	257	(8.8)	4,775	(3.5)	46	(1.0)	4,835	(3.6)	34	(0.7)
Texas												
Houston	2,880	(4.0)	134	(4.7)	1,412	(2.0)	25	(1.8)	1,376	(1.9)	17	(1.2)
Texas (excludes Houston)	4,734	(2.4)	291	(6.1)	5,065	(2.6)	55	(1.1)	4,914	(2.5)	39	(0.8)
Utah	1,627	(21.4)	18	(1.1)	2,454	(32.2)	4	(0.2)	1,686	(22.1)	4	(0.2)
Vermont	405	(13.0)	3	(0.7)	857	(27.6)	2	(0.2)	1,376	(44.3)	0	(0)
Virginia	4,727	(6.5)	177	(3.7)	19,563	(26.8)	54	(0.3)	33,163	(45.4)	46	(0.1)
Washington	6,537	(40.2)	200	(3.1)	3,185	(19.6)	13	(0.4)	2,491	(15.3)	10	(0.4)
West Virginia	439	(8.2)	16	(3.6)	1,772	(33.1)	8	(0.5)	2,198	(41.0)	3	(0.1)
Wisconsin	3,903	(26.9)	70	(1.8)	5,280	(36.4)	9	(0.2)	3,120	(21.5)	7	(0.2)
Wyoming	353	(5.2)	3	(0.8)	1,313	(19.5)	1	(0.1)	2,764	(41.1)	1	(0)
Puerto Rico	3,322	(7.8)	193	(5.8)	8,934	(20.9)	135	(1.5)	14,754	(34.5)	123	(0.8)
Total	250,507	(7.6)	10,317	(4.1)	527,733	(16.0)	3,069	(0.6)	710,654	(21.5)	2,901	(0.4)

Notes: Jurisdictions submitting aggregate level data are excluded. See Technical Notes for definition of HIV-positive testing event. Jurisdiction percentage is of total test events in each jurisdiction presented on Table 1.

Table Section 2

HIV positivity and receipt of test results

Table 5: Number of HIV testing events and HIV positivity percentages by characteristics of individuals tested, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events	
	Number	(Column %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Age at test (years)								
<13	6,846	(0.2)	42	(0.6)	11	(0.2)	30	(0.4)
13-19	336,445	(10.2)	919	(0.3)	200	(0.1)	716	(0.2)
20-29	1,354,752	(41.0)	9,914	(0.7)	1,553	(0.1)	8,354	(0.6)
30-39	701,989	(21.3)	6,952	(1.0)	1,049	(0.1)	5,899	(0.8)
40-49	473,392	(14.3)	6,773	(1.4)	1,125	(0.2)	5,647	(1.2)
50+	400,995	(12.1)	4,614	(1.2)	845	(0.2)	3,768	(0.9)
Missing/invalid	27,100	(0.8)	326	(1.2)	81	(0.3)	244	(0.9)
Race/Ethnicity								
White	893,130	(27.1)	6,095	(0.7)	980	(0.1)	5,110	(0.6)
Black or African American	1,470,846	(44.6)	16,056	(1.1)	2,662	(0.2)	13,384	(0.9)
Hispanic or Latino	683,379	(20.7)	5,513	(0.8)	879	(0.1)	4,632	(0.7)
Asian	54,416	(1.6)	326	(0.6)	55	(0.1)	271	(0.5)
American Indian or Alaska Native	16,502	(0.5)	90	(0.5)	31	(0.2)	59	(0.4)
Native Hawaiian or Pacific Islander	8,447	(0.3)	67	(0.8)	14	(0.2)	52	(0.6)
Multi-race	26,427	(0.8)	208	(0.8)	60	(0.2)	148	(0.6)
Declined	21,528	(0.7)	219	(1.0)	58	(0.3)	161	(0.7)
Don't know	59,478	(1.8)	472	(0.8)	102	(0.2)	370	(0.6)
Missing/invalid	67,366	(2.0)	494	(0.7)	23	(0)	471	(0.7)
U.S. geographic region (Puerto Rico excluded)								
Northeast	717,511	(21.7)	4,734	(0.7)	1,126	(0.2)	3,602	(0.5)
Midwest	294,425	(8.9)	1,880	(0.6)	429	(0.1)	1,450	(0.5)
South	1,952,263	(59.1)	18,571	(1.0)	2,405	(0.1)	16,155	(0.8)
West	294,562	(8.9)	3,642	(1.2)	877	(0.3)	2,765	(0.9)
Testing site type								
Health care and correctional facilities	2,426,694	(73.5)	19,308	(0.8)	2,628	(0.1)	16,663	(0.7)
Non-health care facilities	702,925	(21.3)	9,144	(1.3)	2,118	(0.3)	7,025	(1.0)
Other facilities	130,120	(3.9)	926	(0.7)	102	(0.1)	824	(0.6)
Missing/invalid	41,780	(1.3)	162	(0.4)	16	(0)	146	(0.3)
Rapid test used in testing event								
Yes	1,876,926	(56.9)	17,804	(0.9)	4,864	(0.3)	12,939	(0.7)
No	1,419,657	(43.0)	11,719	(0.8)	...	...	11,719	(0.8)
Missing/invalid	4,936	(0.1)	18	(0.3)	...	...	...	...
Total	3,301,519	(100.0)	29,540	(0.9)	4,864	(0.1)	24,658	(0.7)

Notes: Ellipses (...) indicate not applicable.
Preliminary HIV-positive and confirmed HIV-positive testing events do not sum to HIV-positive testing events due to missing HIV test technology for 18 testing events.
Please refer to Technical Notes for definitions of HIV-positive testing event and preliminary and confirmed HIV-positive testing events.

Table 6: Number of HIV testing events and HIV positivity percentage by characteristics of individuals tested, among males, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events	
	Number	(Column %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Age at test (years)								
<13	3,177	(0.2)	20	(0.6)	4	(0.1)	15	(0.5)
13-19	124,414	(7.8)	668	(0.5)	131	(0.1)	536	(0.4)
20-29	614,811	(38.6)	8,076	(1.3)	1,176	(0.2)	6,894	(1.1)
30-39	343,074	(21.5)	5,150	(1.5)	749	(0.2)	4,400	(1.3)
40-49	258,078	(16.2)	4,952	(1.9)	795	(0.3)	4,157	(1.6)
50+	236,635	(14.8)	3,290	(1.4)	590	(0.2)	2,700	(1.1)
Missing/invalid	13,925	(0.9)	243	(1.7)	56	(0.4)	187	(1.3)
Race/Ethnicity								
White	457,486	(28.7)	5,071	(1.1)	791	(0.2)	4,278	(0.9)
Black or African American	696,159	(43.7)	11,506	(1.7)	1,829	(0.3)	9,672	(1.4)
Hispanic or Latino	322,877	(20.3)	4,409	(1.4)	649	(0.2)	3,758	(1.2)
Asian	29,424	(1.8)	271	(0.9)	40	(0.1)	231	(0.8)
American Indian or Alaska Native	7,932	(0.5)	63	(0.8)	17	(0.2)	46	(0.6)
Native Hawaiian or Pacific Islander	5,064	(0.3)	52	(1.0)	8	(0.2)	44	(0.9)
Multi-race	13,930	(0.9)	164	(1.2)	43	(0.3)	121	(0.9)
Declined	11,796	(0.7)	174	(1.5)	46	(0.4)	128	(1.1)
Don't know	26,239	(1.6)	317	(1.2)	68	(0.3)	249	(0.9)
Missing/invalid	23,207	(1.5)	372	(1.6)	10	(0)	362	(1.6)
U.S. geographic region (Puerto Rico excluded)								
Northeast	373,710	(23.4)	3,403	(0.9)	754	(0.2)	2,645	(0.7)
Midwest	152,454	(9.6)	1,572	(1.0)	337	(0.2)	1,234	(0.8)
South	856,980	(53.8)	13,727	(1.6)	1,684	(0.2)	12,039	(1.4)
West	190,710	(12.0)	3,190	(1.7)	706	(0.4)	2,484	(1.3)
Testing site type								
Health care and correctional facilities	1,113,488	(69.8)	14,265	(1.3)	1,834	(0.2)	12,423	(1.1)
Non-health care facilities	408,790	(25.6)	7,288	(1.8)	1,586	(0.4)	5,701	(1.4)
Other facilities	53,872	(3.4)	726	(1.3)	72	(0.1)	654	(1.2)
Missing/invalid	17,964	(1.1)	120	(0.7)	9	(0.1)	111	(0.6)
Rapid test used in testing event								
Yes	1,019,468	(64.0)	13,830	(1.4)	3,501	(0.3)	10,328	(1.0)
No	573,337	(36.0)	8,561	(1.5)	...	...	8,561	(1.5)
Missing/invalid	1,309	(0.1)	9	(0.6)	...	...	...	...
Total	1,594,114	(100.0)	22,399	(1.4)	3,501	(0.2)	18,889	(1.2)

Notes: Ellipses (...) indicate not applicable. Preliminary HIV-positive and confirmed HIV-positive testing events do not sum to HIV-positive testing events due to missing HIV test technology for 9 testing events. See Technical Notes for definitions of HIV-positive testing event and preliminary and confirmed HIV-positive testing events.

Table 7: Number of HIV testing events and HIV positivity percentage by characteristics of individuals tested, among females, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events	
	Number	(Column %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Age at test (years)								
<13	3,553	(0.2)	21	(0.6)	7	(0.2)	14	(0.4)
13-19	210,033	(12.4)	234	(0.1)	66	(<0.1)	166	(0.1)
20-29	731,073	(43.3)	1,659	(0.2)	338	(<0.1)	1,320	(0.2)
30-39	354,739	(21.0)	1,707	(0.5)	278	(0.1)	1,426	(0.4)
40-49	212,936	(12.6)	1,749	(0.8)	312	(0.1)	1,436	(0.7)
50+	162,435	(9.6)	1,275	(0.8)	242	(0.1)	1,032	(0.6)
Missing/invalid	12,545	(0.7)	74	(0.6)	20	(0.2)	53	(0.4)
Race/Ethnicity								
White	432,347	(25.6)	993	(0.2)	184	(<0.1)	806	(0.2)
Black or African American	769,020	(45.6)	4,353	(0.6)	780	(0.1)	3,568	(0.5)
Hispanic or Latino	356,946	(21.2)	1,015	(0.3)	206	(0.1)	809	(0.2)
Asian	24,699	(1.5)	50	(0.2)	15	(0.1)	35	(0.1)
American Indian or Alaska Native	8,454	(0.5)	25	(0.3)	13	(0.2)	12	(0.1)
Native Hawaiian or Pacific Islander	3,246	(0.2)	12	(0.4)	4	(0.1)	7	(0.2)
Multi-race	12,213	(0.7)	33	(0.3)	14	(0.1)	19	(0.2)
Declined	9,330	(0.6)	39	(0.4)	10	(0.1)	29	(0.3)
Don't know	27,836	(1.6)	86	(0.3)	28	(0.1)	58	(0.2)
Missing/invalid	43,223	(2.6)	113	(0.3)	9	(<0.1)	104	(0.2)
U.S. geographic region (Puerto Rico excluded)								
Northeast	339,750	(20.1)	1,241	(0.4)	344	(0.1)	895	(0.3)
Midwest	140,728	(8.3)	292	(0.2)	90	(0.1)	202	(0.1)
South	1,083,185	(64.2)	4,620	(0.4)	676	(0.1)	3,937	(0.4)
West	101,254	(6.0)	363	(0.4)	147	(0.1)	216	(0.2)
Testing site type								
Health care and correctional facilities	1,299,721	(77.0)	4,839	(0.4)	760	(0.1)	4,070	(0.3)
Non-health care facilities	288,112	(17.1)	1,647	(0.6)	468	(0.2)	1,179	(0.4)
Other facilities	75,842	(4.5)	191	(0.3)	28	(<0.1)	163	(0.2)
Missing/invalid	23,639	(1.4)	42	(0.2)	7	(<0.1)	35	(0.1)
Rapid test used in testing event								
Yes	846,221	(50.2)	3,664	(0.4)	1,263	(0.1)	2,401	(0.3)
No	838,713	(49.7)	3,046	(0.4)	...	...	3,046	(0.4)
Missing/invalid	2,380	(0.1)	9	(0.4)	...	...	...	...
Total	1,687,314	(100.0)	6,719	(0.4)	1,263	(0.1)	5,447	(0.3)

Notes: Ellipses (...) indicate not applicable.
Preliminary HIV-positive and confirmed HIV-positive testing events do not sum to HIV-positive testing events due to missing HIV test technology for 9 testing events.
See Technical Notes for definitions of HIV-positive testing event and preliminary and confirmed HIV-positive testing events.

Table 8: Number of testing events and HIV positivity percentages by characteristics of individuals tested, among transgender persons, 51 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events	
	Number	(Column %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Age at test (years)								
<13	14	(0.2)	1	(7.1)	0	(0)	1	(7.1)
13-19	420	(6.8)	11	(2.6)	3	(0.7)	8	(1.9)
20-29	2,988	(48.3)	136	(4.6)	37	(1.2)	99	(3.3)
30-39	1,459	(23.6)	70	(4.8)	18	(1.2)	52	(3.6)
40-49	768	(12.4)	44	(5.7)	14	(1.8)	30	(3.9)
50+	450	(7.3)	25	(5.6)	11	(2.4)	14	(3.1)
Missing/invalid	93	(1.5)	4	(4.3)	2	(2.2)	2	(2.2)
Race/Ethnicity								
White	1,271	(20.5)	19	(1.5)	3	(0.2)	16	(1.3)
Black or African American	1,888	(30.5)	166	(8.8)	49	(2.6)	117	(6.2)
Hispanic or Latino	2,185	(35.3)	78	(3.6)	22	(1.0)	56	(2.6)
Asian	186	(3.0)	5	(2.7)	0	(0)	5	(2.7)
American Indian or Alaska Native	90	(1.5)	2	(2.2)	1	(1.1)	1	(1.1)
Native Hawaiian or Pacific Islander	107	(1.7)	3	(2.8)	2	(1.9)	1	(0.9)
Multi-race	182	(2.9)	10	(5.5)	3	(1.6)	7	(3.8)
Declined	102	(1.6)	3	(2.9)	1	(1.0)	2	(2.0)
Don't know	180	(2.9)	5	(2.8)	4	(2.2)	1	(0.6)
Missing/invalid	1	(0)	0	(0)	...	...	...	...
U.S. geographic region (Puerto Rico excluded)								
Northeast	1,983	(32.0)	78	(3.9)	24	(1.2)	54	(2.7)
Midwest	473	(7.6)	14	(3.0)	2	(0.4)	12	(2.5)
South	1,602	(25.9)	109	(6.8)	34	(2.1)	75	(4.7)
West	2,033	(32.8)	87	(4.3)	24	(1.2)	63	(3.1)
Testing site type								
Health care and correctional facilities	2,380	(38.4)	110	(4.6)	26	(1.1)	84	(3.5)
Non-health care facilities	3,556	(57.4)	174	(4.9)	58	(1.6)	116	(3.3)
Other facilities	216	(3.5)	7	(3.2)	1	(0.5)	6	(2.8)
Missing/invalid	40	(0.6)	0	(0)	...	...	...	...
Rapid test used in testing event								
Yes	5,677	(91.7)	260	(4.6)	85	(1.5)	175	(3.1)
No	509	(8.2)	31	(6.1)	...	...	31	(6.1)
Missing/invalid	6	(0.1)	0	(0.0)	...	...	...	...
Total	6,192	(100.0)	291	(4.7)	85	(1.4)	206	(3.3)

Notes: 51 health department jurisdictions are included because Alaska, North Dakota, North Carolina and West Virginia did not report any testing events for transgender persons. Ellipses (...) indicate not applicable. See Technical Notes for definitions of preliminary and confirmed HIV-positive testing event.

Table 9: Number of HIV testing events and HIV positivity percentage by characteristics of individuals tested, among health care and correctional facility testing sites, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events	
	Number	(Column %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Age at test (years)								
<13	5,230	(0.2)	27	(0.5)	7	(0.1)	20	(0.4)
13-19	252,486	(10.4)	603	(0.2)	106	(<0.1)	494	(0.2)
20-29	1,019,319	(42.0)	6,349	(0.6)	809	(0.1)	5,533	(0.5)
30-39	517,092	(21.3)	4,568	(0.9)	592	(0.1)	3,972	(0.8)
40-49	332,027	(13.7)	4,477	(1.3)	591	(0.2)	3,885	(1.2)
50+	280,510	(11.6)	3,050	(1.1)	473	(0.2)	2,576	(0.9)
Missing/invalid	20,030	(0.8)	234	(1.2)	50	(0.2)	183	(0.9)
Gender								
Male	1,113,488	(45.9)	14,265	(1.3)	1,834	(0.2)	12,423	(1.1)
Female	1,299,721	(53.6)	4,839	(0.4)	760	(0.1)	4,070	(0.3)
Transgender	2,380	(0.1)	110	(4.6)	26	(1.1)	84	(3.5)
Declined	2,557	(0.1)	15	(0.6)	1	(<0.1)	14	(0.5)
Missing/invalid	8,548	(0.4)	79	(0.9)	7	(0.1)	72	(0.8)
Race/Ethnicity								
White	673,551	(27.8)	3,774	(0.6)	554	(0.1)	3,215	(0.5)
Black or African American	1,108,866	(45.7)	11,239	(1.0)	1,472	(0.1)	9,757	(0.9)
Hispanic or Latino	474,605	(19.6)	3,165	(0.7)	417	(0.1)	2,747	(0.6)
Asian	36,224	(1.5)	179	(0.5)	33	(0.1)	146	(0.4)
American Indian or Alaska Native	9,605	(0.4)	43	(0.4)	10	(0.1)	33	(0.3)
Native Hawaiian or Pacific Islander	5,990	(0.2)	41	(0.7)	5	(0.1)	35	(0.6)
Multi-race	17,137	(0.7)	92	(0.5)	27	(0.2)	65	(0.4)
Declined	14,700	(0.6)	133	(0.9)	40	(0.3)	93	(0.6)
Don't know	45,435	(1.9)	349	(0.8)	57	(0.1)	292	(0.6)
Missing/invalid	40,581	(1.7)	293	(0.7)	13	(<0.1)	280	(0.7)
U.S. geographic region (Puerto Rico excluded)								
Northeast	505,746	(20.8)	2,827	(0.6)	630	(0.1)	2,192	(0.4)
Midwest	228,085	(9.4)	1,187	(0.5)	269	(0.1)	917	(0.4)
South	1,499,672	(61.8)	12,924	(0.9)	1,246	(0.1)	11,667	(0.8)
West	169,709	(7.0)	1,846	(1.1)	482	(0.3)	1,364	(0.8)
Risk category								
Male-to-male sexual contact and injection drug use	2,783	(0.1)	182	(6.5)	26	(0.9)	156	(5.6)
Male-to-male sexual contact	100,662	(4.1)	5,027	(5.0)	501	(0.5)	4,524	(4.5)
Injection drug use	53,126	(2.2)	375	(0.7)	117	(0.2)	258	(0.5)
High-risk heterosexual contact	909,697	(37.5)	3,956	(0.4)	620	(0.1)	3,327	(0.4)
Low-risk heterosexual contact	361,202	(14.9)	1,735	(0.5)	175	(<0.1)	1,558	(0.4)
Other	18,687	(0.8)	61	(0.3)	15	(0.1)	46	(0.2)
No acknowledged risk	127,014	(5.2)	942	(0.7)	128	(0.1)	814	(0.6)
Not asked about risk	570,437	(23.5)	3,641	(0.6)	371	(0.1)	3,270	(0.6)
Declined to discuss risk	5,495	(0.2)	122	(2.2)	39	(0.7)	83	(1.5)
Missing/invalid	277,591	(11.4)	3,267	(1.2)	636	(0.2)	2,627	(0.9)
Rapid test used in testing event								
Yes	1,214,582	(50.1)	9,988	(0.8)	2,628	(0.2)	7,359	(0.6)
No	1,207,372	(49.8)	9,304	(0.8)	...	...	9,304	(0.8)
Missing/invalid	4,740	(0.2)	17	(0.3)	...	...	...	...
Total	2,426,694	(100.0)	19,308	(0.8)	2,628	(0.1)	16,663	(0.7)

Notes: Ellipses (...) indicate not applicable.
Preliminary HIV-positive and confirmed HIV-positive testing events do not sum to HIV-positive testing events due to missing HIV test technology for 17 testing events.
See Technical Notes for definitions of preliminary and confirmed HIV-positive testing event.
Risk data not required for HIV-negative testing events conducted in health care testing site types.

Table 10: Number of HIV Testing events and HIV positivity percentages by characteristics of individuals tested, among non-health care testing sites, 54 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events	
	Number	(Column %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Age at test (years)								
<13	1,014	(0.1)	12	(1.2)	4	(0.4)	7	(0.7)
13-19	67,633	(9.6)	279	(0.4)	83	(0.1)	196	(0.3)
20-29	261,779	(37.2)	3,144	(1.2)	689	(0.3)	2,455	(0.9)
30-39	146,443	(20.8)	2,110	(1.4)	432	(0.3)	1,678	(1.1)
40-49	117,809	(16.8)	2,073	(1.8)	520	(0.4)	1,553	(1.3)
50+	102,023	(14.5)	1,440	(1.4)	360	(0.4)	1,080	(1.1)
Missing/invalid	6,224	(0.9)	86	(1.4)	30	(0.5)	56	(0.9)
Gender								
Male	408,790	(58.2)	7,288	(1.8)	1,586	(0.4)	5,701	(1.4)
Female	288,112	(41.0)	1,647	(0.6)	468	(0.2)	1,179	(0.4)
Transgender	3,556	(0.5)	174	(4.9)	58	(1.6)	116	(3.3)
Declined	313	(0)	2	(0.6)	2	(0.6)	0	(0)
Missing/invalid	2,154	(0.3)	33	(1.5)	4	(0.2)	29	(1.3)
Race/Ethnicity								
White	185,120	(26.3)	2,170	(1.2)	411	(0.2)	1,759	(1.0)
Black or African American	297,137	(42.3)	4,248	(1.4)	1,145	(0.4)	3,103	(1.0)
Hispanic or Latino	171,328	(24.4)	2,221	(1.3)	438	(0.3)	1,782	(1.0)
Asian	15,680	(2.2)	137	(0.9)	19	(0.1)	118	(0.8)
American Indian or Alaska Native	6,046	(0.9)	43	(0.7)	21	(0.3)	22	(0.4)
Native Hawaiian or Pacific Islander	2,228	(0.3)	24	(1.1)	7	(0.3)	17	(0.8)
Multi-race	8,626	(1.2)	104	(1.2)	30	(0.3)	74	(0.9)
Declined	6,253	(0.9)	86	(1.4)	18	(0.3)	68	(1.1)
Don't know	7,374	(1.0)	101	(1.4)	28	(0.4)	73	(1.0)
Missing/invalid	3,133	(0.4)	10	(0.3)	1	(<0.1)	9	(0.3)
U.S. geographic region (Puerto Rico excluded)								
Northeast	172,775	(24.6)	1,820	(1.1)	459	(0.3)	1,360	(0.8)
Midwest	59,669	(8.5)	677	(1.1)	154	(0.3)	523	(0.9)
South	332,623	(47.3)	4,749	(1.4)	1,095	(0.3)	3,654	(1.1)
West	119,662	(17.0)	1,718	(1.4)	384	(0.3)	1,334	(1.1)
Risk category								
Male-to-male sexual contact and injection drug use	4,256	(0.6)	200	(4.7)	49	(1.2)	151	(3.5)
Male-to-male sexual contact	134,075	(19.1)	4,457	(3.3)	861	(0.6)	3,596	(2.7)
Injection drug use	26,324	(3.7)	301	(1.1)	97	(0.4)	204	(0.8)
High-risk heterosexual contact	299,469	(42.6)	1,840	(0.6)	466	(0.2)	1,373	(0.5)
Low-risk heterosexual contact	86,193	(12.3)	624	(0.7)	128	(0.1)	496	(0.6)
Other	10,618	(1.5)	28	(0.3)	10	(0.1)	18	(0.2)
No acknowledged risk	60,263	(8.6)	549	(0.9)	230	(0.4)	319	(0.5)
Not asked about risk	29,287	(4.2)	203	(0.7)	50	(0.2)	153	(0.5)
Declined to discuss risk	2,560	(0.4)	53	(2.1)	23	(0.9)	30	(1.2)
Missing/invalid	49,880	(7.1)	889	(1.8)	204	(0.4)	685	(1.4)
Rapid test used in testing event								
Yes	600,525	(85.4)	7,357	(1.2)	2,118	(0.4)	5,239	(0.9)
No	102,226	(14.5)	1,786	(1.7)	...	...	1,786	(1.7)
Missing/invalid	174	(0)	1	(0.6)	...	...	...	...
Total	702,925	(100.0)	9,144	(1.3)	2,118	(0.3)	7,025	(1.0)

Notes: 54 health department jurisdictions are included because Alabama did not submit any testing events conducted in non-health care settings. Ellipses (...) indicate not applicable. Preliminary HIV-positive and confirmed HIV-positive testing events do not sum to HIV-positive testing events due to missing HIV test technology for 1 testing event. See Technical Notes for definitions of preliminary and confirmed HIV-positive testing event.

Table 11: Number of testing events and HIV positivity percentages by characteristics of individuals tested, among men who have sex with men, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events	
	Number	(Column %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Age at test (years)								
<13	322	(0.1)	5	(1.6)	0	(0)	5	(1.6)
13-19	15,173	(6.1)	398	(2.6)	65	(0.4)	333	(2.2)
20-29	108,079	(43.1)	4,984	(4.6)	647	(0.6)	4,335	(4.0)
30-39	56,985	(22.7)	2,426	(4.3)	332	(0.6)	2,094	(3.7)
40-49	40,655	(16.2)	1,711	(4.2)	259	(0.6)	1,452	(3.6)
50+	27,969	(11.2)	760	(2.7)	158	(0.6)	602	(2.2)
Missing/invalid	1,324	(0.5)	33	(2.5)	14	(1.1)	19	(1.4)
Race/Ethnicity								
White	111,514	(44.5)	2,992	(2.7)	429	(0.4)	2,563	(2.3)
Black or African American	59,849	(23.9)	4,423	(7.4)	659	(1.1)	3,762	(6.3)
Hispanic or Latino	56,575	(22.6)	2,288	(4.0)	301	(0.5)	1,987	(3.5)
Asian	8,903	(3.6)	153	(1.7)	15	(0.2)	138	(1.6)
American Indian or Alaska Native	1,459	(0.6)	34	(2.3)	6	(0.4)	28	(1.9)
Native Hawaiian or Pacific Islander	1,215	(0.5)	38	(3.1)	7	(0.6)	31	(2.6)
Multi-race	3,990	(1.6)	118	(3.0)	28	(0.7)	90	(2.3)
Declined	2,294	(0.9)	66	(2.9)	14	(0.6)	52	(2.3)
Don't know	2,976	(1.2)	86	(2.9)	15	(0.5)	71	(2.4)
Missing/invalid	1,732	(0.7)	119	(6.9)	1	(0.1)	118	(6.8)
U.S. geographic region (Puerto Rico excluded)								
Northeast	49,078	(19.6)	1,653	(3.4)	271	(0.6)	1,382	(2.8)
Midwest	29,964	(12.0)	1,004	(3.4)	199	(0.7)	805	(2.7)
South	98,707	(39.4)	5,459	(5.5)	668	(0.7)	4,789	(4.9)
West	69,436	(27.7)	2,008	(2.9)	332	(0.5)	1,676	(2.4)
Testing site type								
Health care and correctional facilities	103,445	(41.3)	5,209	(5.0)	527	(0.5)	4,680	(4.5)
Non-health care facilities	138,331	(55.2)	4,657	(3.4)	910	(0.7)	3,747	(2.7)
Other facilities	7,290	(2.9)	405	(5.6)	36	(0.5)	369	(5.1)
Missing/invalid	1,441	(0.6)	46	(3.2)	2	(0.1)	44	(3.1)
Rapid test used in testing event								
Yes	206,496	(82.4)	7,177	(3.5)	1,475	(0.7)	5,702	(2.8)
No	43,831	(17.5)	3,138	(7.2)	...	...	3,138	(7.2)
Missing/invalid	180	(0.1)	2	(1.1)	...	...	...	...
Total	250,507	(100.0)	10,317	(4.1)	1,475	(0.6)	8,840	(3.5)

Notes: Ellipses (...) indicate not applicable.
Preliminary HIV-positive and confirmed HIV-positive testing events do not sum to HIV-positive testing events due to missing HIV test technology for 2 testing events.
See Technical Notes for definitions of preliminary and confirmed HIV-positive testing event.

Table 12: Number of testing events and HIV positivity percentage by characteristics of individuals tested, among high-risk heterosexual males, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events	
	Number	(Column %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Age at test (years)								
<13	602	(0.1)	6	(1.0)	2	(0.3)	3	(0.5)
13-19	48,681	(9.2)	85	(0.2)	35	(0.1)	50	(0.1)
20-29	219,372	(41.6)	763	(0.3)	159	(0.1)	601	(0.3)
30-39	113,841	(21.6)	706	(0.6)	123	(0.1)	582	(0.5)
40-49	78,395	(14.9)	828	(1.1)	140	(0.2)	688	(0.9)
50+	63,004	(11.9)	640	(1.0)	118	(0.2)	522	(0.8)
Missing/invalid	3,838	(0.7)	41	(1.1)	4	(0.1)	37	(1.0)
Race/Ethnicity								
White	136,698	(25.9)	355	(0.3)	89	(0.1)	265	(0.2)
Black or African American	266,326	(50.5)	1,992	(0.7)	377	(0.1)	1,612	(0.6)
Hispanic or Latino	95,863	(18.2)	612	(0.6)	93	(0.1)	518	(0.5)
Asian	6,635	(1.3)	20	(0.3)	3	(<0.1)	17	(0.3)
American Indian or Alaska Native	3,226	(0.6)	8	(0.2)	3	(0.1)	5	(0.2)
Native Hawaiian or Pacific Islander	1,674	(0.3)	7	(0.4)	0	(0)	7	(0.4)
Multi-race	6,506	(1.2)	20	(0.3)	6	(0.1)	14	(0.2)
Declined	3,413	(0.6)	18	(0.5)	3	(0.1)	15	(0.4)
Don't know	4,541	(0.9)	25	(0.6)	6	(0.1)	19	(0.4)
Missing/invalid	2,851	(0.5)	12	(0.4)	1	(<0.1)	11	(0.4)
U.S. geographic region (Puerto Rico excluded)								
Northeast	131,071	(24.8)	777	(0.6)	167	(0.1)	606	(0.5)
Midwest	74,434	(14.1)	222	(0.3)	72	(0.1)	150	(0.2)
South	265,993	(50.4)	1,739	(0.7)	292	(0.1)	1,446	(0.5)
West	47,301	(9.0)	196	(0.4)	48	(0.1)	148	(0.3)
Testing site type								
Health care and correctional facilities	375,830	(71.2)	2,025	(0.5)	324	(0.1)	1,697	(0.5)
Non-health care facilities	137,509	(26.1)	949	(0.7)	244	(0.2)	704	(0.5)
Other facilities	10,373	(2.0)	76	(0.7)	12	(0.1)	64	(0.6)
Missing/invalid	4,021	(0.8)	19	(0.5)	1	(<0.1)	18	(0.4)
Rapid test used in testing event								
Yes	337,145	(63.9)	2,015	(0.6)	581	(0.2)	1,433	(0.4)
No	189,897	(36.0)	1,050	(0.6)	...	...	1,050	(0.6)
Missing/invalid	691	(0.1)	5	(0.6)	...	...	...	...
Total	527,733	(100.0)	3,069	(0.6)	581	(0.1)	2,483	(0.5)

Notes: Ellipses (...) indicate not applicable.
Preliminary HIV-positive and confirmed HIV-positive testing events do not sum to HIV-positive testing events due to missing HIV test technology for 5 testing events.
See Technical Notes for definitions of preliminary and confirmed HIV-positive testing event.

Table 13: Number of testing events and HIV positivity percentage by characteristics of individuals tested, among high-risk heterosexual females, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events		HIV-positive testing events		Preliminary HIV-positive testing events		Confirmed HIV-positive testing events	
	Number	(Column %)	Number	(Positive %)	Number	(Positive %)	Number	(Positive %)
Age at test (years)								
<13	907	(0.1)	9	(1.0)	3	(0.3)	6	(0.7)
13-19	92,751	(13.1)	118	(0.1)	28	(<0.1)	89	(0.1)
20-29	332,890	(46.8)	851	(0.3)	168	(0.1)	683	(0.2)
30-39	153,245	(21.6)	742	(0.5)	132	(0.1)	608	(0.4)
40-49	81,920	(11.5)	727	(0.9)	129	(0.2)	597	(0.7)
50+	44,584	(6.3)	443	(1.0)	65	(0.1)	377	(0.8)
Missing/invalid	4,357	(0.6)	11	(0.3)	3	(0.1)	8	(0.2)
Race/Ethnicity								
White	201,547	(28.4)	453	(0.2)	84	(<0.1)	368	(0.2)
Black or African American	330,239	(46.5)	1,885	(0.6)	339	(0.1)	1,543	(0.5)
Hispanic or Latino	140,969	(19.8)	458	(0.3)	83	(0.1)	375	(0.3)
Asian	9,519	(1.3)	17	(0.2)	2	(<0.1)	15	(0.2)
American Indian or Alaska Native	4,276	(0.6)	10	(0.2)	8	(0.2)	2	(<0.1)
Native Hawaiian or Pacific Islander	1,759	(0.2)	6	(0.3)	0	(0)	5	(0.3)
Multi-race	8,148	(1.1)	16	(0.2)	4	(<0.1)	12	(0.1)
Declined	4,562	(0.6)	21	(0.5)	5	(0.1)	16	(0.4)
Don't know	7,383	(1.0)	16	(0.2)	3	(<0.1)	13	(0.2)
Missing/invalid	2,252	(0.3)	19	(0.8)	0	(0)	19	(0.8)
U.S. geographic region (Puerto Rico excluded)								
Northeast	137,866	(19.4)	654	(0.5)	158	(0.1)	494	(0.4)
Midwest	83,477	(11.7)	181	(0.2)	60	(0.1)	121	(0.1)
South	431,636	(60.7)	1,810	(0.4)	270	(0.1)	1,537	(0.4)
West	42,921	(6.0)	133	(0.3)	38	(0.1)	95	(0.2)
Testing site type								
Health care and correctional facilities	533,867	(75.1)	1,931	(0.4)	296	(0.1)	1,630	(0.3)
Non-health care facilities	161,960	(22.8)	891	(0.6)	222	(0.1)	669	(0.4)
Other facilities	9,436	(1.3)	66	(0.7)	10	(0.1)	56	(0.6)
Missing/invalid	5,391	(0.8)	13	(0.2)	0	(0)	13	(0.2)
Rapid test used in testing event								
Yes	374,108	(52.6)	1,785	(0.5)	528	(0.1)	1,257	(0.3)
No	335,339	(47.2)	1,111	(0.3)	...	...	1,111	(0.3)
Missing/invalid	1,207	(0.2)	5	(0.4)	...	...	...	...
Total	710,654	(100.0)	2,901	(0.4)	528	(0.1)	2,368	(0.3)

Notes: Ellipses (...) indicate not applicable.
Preliminary HIV-positive and confirmed HIV-positive testing events do not sum to HIV-positive testing events due to missing HIV test technology for 5 testing events.
See Technical Notes for definitions of preliminary and confirmed HIV-positive testing event.

Table 14: Receipt of HIV test results by characteristics of individuals tested and test result, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Preliminary HIV-positive testing events					Confirmed HIV-positive testing events				
	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)										
<13	9	0	2	(100.0)	(18.2)	26	2	2	(92.9)	(6.7)
13-19	180	5	15	(97.3)	(7.5)	540	81	95	(87.0)	(13.3)
20-29	1,420	54	79	(96.3)	(5.1)	6,699	542	1,113	(92.5)	(13.3)
30-39	972	35	42	(96.5)	(4.0)	4,836	277	786	(94.6)	(13.3)
40-49	1,046	42	37	(96.1)	(3.3)	4,672	245	730	(95.0)	(12.9)
50+	786	27	32	(96.7)	(3.8)	3,165	150	453	(95.5)	(12.0)
Missing/invalid	81	0	0	(100.0)	(0)	226	17	1	(93.0)	(0.4)
Gender										
Male	3,269	113	119	(96.7)	(3.4)	15,622	925	2,342	(94.4)	(12.4)
Female	1,130	46	87	(96.1)	(6.9)	4,250	365	832	(92.1)	(15.3)
Transgender	81	3	1	(96.4)	(1.2)	198	6	2	(97.1)	(1.0)
Declined	3	0	0	(100.0)	(0)	7	3	4	(70.0)	(28.6)
Missing/invalid	11	1	0	(91.7)	(0)	87	15	0	(85.3)	(0)
Race/Ethnicity										
White	901	26	53	(97.2)	(5.4)	4,212	225	673	(94.9)	(13.2)
Black or African American	2,490	104	68	(96.0)	(2.6)	10,330	758	2,296	(93.2)	(17.2)
Hispanic or Latino	816	19	44	(97.7)	(5.0)	4,369	152	111	(96.6)	(2.4)
Asian	46	0	9	(100.0)	(16.4)	251	3	17	(98.8)	(6.3)
American Indian or Alaska Native	27	0	4	(100.0)	(12.9)	49	3	7	(94.2)	(11.9)
Native Hawaiian or Pacific Islander	13	0	1	(100.0)	(7.1)	49	2	1	(96.1)	(1.9)
Multi-race	55	4	1	(93.2)	(1.7)	136	9	3	(93.8)	(2.0)
Declined	48	4	6	(92.3)	(10.3)	132	24	5	(84.6)	(3.1)
Don't know	91	5	6	(94.8)	(5.9)	277	26	67	(91.4)	(18.1)
Missing/invalid	7	1	15	(87.5)	(65.2)	359	112	0	(76.2)	(0)
U.S. geographic region (Puerto Rico excluded)										
Northeast	1,046	43	37	(96.1)	(3.3)	3,424	111	67	(96.9)	(1.9)
Midwest	382	44	3	(89.7)	(0.7)	1,331	116	3	(92.0)	(0.2)
South	2,240	62	103	(97.3)	(4.3)	12,241	951	2,963	(92.8)	(18.3)
West	799	14	64	(98.3)	(7.3)	2,525	94	146	(96.4)	(5.3)
Testing site type										
Health care and correctional facilities	2,351	117	160	(95.3)	(6.1)	12,761	1,000	2,902	(92.7)	(17.4)
Non-health care facilities	2,057	42	19	(98.0)	(0.9)	6,521	290	214	(95.7)	(3.0)
Other facilities	78	2	22	(97.5)	(21.6)	738	23	63	(97.0)	(7.6)
Missing/invalid	8	2	6	(80.0)	(37.5)	144	1	1	(99.3)	(0.7)
Rapid test used in testing event										
Yes	4,494	163	207	(96.5)	(4.3)	12,020	141	778	(98.8)	(6.0)
No	...	...	...	...	...	8,144	1,173	2,402	(87.4)	(20.5)
Total	4,494	163	207	(96.5)	(4.3)	20,164	1,314	3,180	(93.9)	(12.9)

Notes: Ellipses (...) indicate not applicable.
 See Technical Notes for definitions of preliminary HIV-positive and confirmed HIV-positive testing events.
 Indicator percentages exclude 'Missing/invalid' data from denominators. 'Missing/invalid' percentages include all data in denominators.

Table Section 3

Continuum of HIV-testing related activities among newly identified confirmed HIV-positive individuals

Table 15: Testing continuum of testing event, receipt of result and linkage to HIV medical care, among newly identified confirmed HIV-positive individuals, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events			Receipt of test result					Linkage to HIV medical care				
	All testing events	Positive tests	(Positive %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)	Linked	Not linked	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)													
<13	6,846	26	(0.4)	23	2	1	(92.0)	(3.8)	13	5	8	(72.2)	(30.8)
13-19	336,445	626	(0.2)	461	81	84	(85.1)	(13.4)	209	91	326	(69.7)	(52.1)
20-29	1,354,752	6,978	(0.5)	5,550	477	951	(92.1)	(13.6)	2,742	972	3,264	(73.8)	(46.8)
30-39	701,989	4,439	(0.6)	3,606	211	622	(94.5)	(14.0)	1,827	554	2,058	(76.7)	(46.4)
40-49	473,392	3,777	(0.8)	3,042	171	564	(94.7)	(14.9)	1,515	505	1,757	(75.0)	(46.5)
50+	400,995	2,412	(0.6)	1,939	121	352	(94.1)	(14.6)	992	341	1,079	(74.4)	(44.7)
Missing/invalid	27,100	188	(0.7)	171	16	1	(91.4)	(0.5)	119	12	57	(90.8)	(30.3)
Race/Ethnicity													
White	893,130	3,800	(0.4)	3,098	169	533	(94.8)	(14.0)	1,636	524	1,640	(75.7)	(43.2)
Black or African American	1,470,846	10,201	(0.7)	7,680	653	1,868	(92.2)	(18.3)	3,634	1,401	5,166	(72.2)	(50.6)
Hispanic or Latino	683,379	3,239	(0.5)	3,058	95	86	(97.0)	(2.7)	1,806	417	1,016	(81.2)	(31.4)
Asian	54,416	207	(0.4)	188	3	16	(98.4)	(7.7)	104	19	84	(84.6)	(40.6)
American Indian or Alaska Native	16,502	47	(0.3)	39	2	6	(95.1)	(12.8)	16	6	25	(72.7)	(53.2)
Native Hawaiian or Pacific Islander	8,447	35	(0.4)	32	2	1	(94.1)	(2.9)	19	4	12	(82.6)	(34.3)
Multi-race	26,427	127	(0.5)	118	6	3	(95.2)	(2.4)	57	24	46	(70.4)	(36.2)
Declined	21,528	127	(0.6)	112	14	1	(88.9)	(0.8)	52	30	45	(63.4)	(35.4)
Don't know	59,478	270	(0.5)	186	23	61	(89.0)	(22.6)	92	55	123	(62.6)	(45.6)
Missing/invalid	67,366	393	(0.6)	281	112	0	(71.5)	(0.0)	1	0	392	(100.0)	(99.7)
U.S. geographic region (Puerto Rico excluded)													
Northeast	717,511	2,954	(0.4)	2,823	67	64	(97.7)	(2.2)	1,521	434	999	(77.8)	(33.8)
Midwest	294,425	1,265	(0.4)	1,175	87	3	(93.1)	(0.2)	409	308	548	(57.0)	(43.3)
South	1,952,263	11,667	(0.6)	8,456	829	2,382	(91.1)	(20.4)	4,143	1,315	6,209	(75.9)	(53.2)
West	294,562	2,123	(0.7)	1,932	65	126	(96.7)	(5.9)	1,015	344	764	(74.7)	(36.0)
Testing site type													
Health care facilities including correctional facility clinics	2,426,694	12,052	(0.5)	8,825	875	2,352	(91.0)	(19.5)	4,453	1,698	5,901	(72.4)	(49.0)
Non-health care facilities	702,925	5,630	(0.8)	5,255	186	189	(96.6)	(3.4)	2,831	712	2,087	(79.9)	(37.1)
Other facilities	130,120	632	(0.5)	581	18	33	(97.0)	(5.2)	101	62	469	(62.0)	(74.2)
Missing/invalid	41,780	132	(0.3)	131	0	1	(100.0)	(0.8)	32	8	92	(80.0)	(69.7)
Rapid test used in testing event													
Yes	1,876,926	10,714	(0.6)	10,072	82	560	(99.2)	(5.2)	5,199	1,487	4,028	(77.8)	(37.6)
No	1,419,657	7,732	(0.5)	4,720	997	2,015	(82.6)	(26.1)	2,218	993	4,521	(69.1)	(58.5)
Missing/invalid	4,936	0	(0.0)	...	...	...	...	...	...	...	...	...	...
Total	3,301,519	18,446	(0.6)	14,792	1,079	2,575	(93.2)	(14.0)	7,417	2,480	8,549	(74.9)	(46.3)

Notes: Ellipses (...) indicate not applicable.
See Technical Notes for definition of newly identified confirmed HIV-positive testing event.
Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 16: Testing continuum of testing event, receipt of result and linkage to HIV medical care, among newly identified confirmed HIV-positive males, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events			Receipt of test result					Linkage to HIV medical care				
	All testing events	Positive tests	(Positive %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)	Linked	Not linked	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)													
<13	3,177	14	(0.4)	14	0	0	(100.0)	(0.0)	9	2	3	(81.8)	(21.4)
13-19	124,414	467	(0.4)	366	36	65	(91.0)	(13.9)	170	66	231	(72.0)	(49.5)
20-29	614,811	5,801	(0.9)	4,710	324	767	(93.6)	(13.2)	2,320	848	2,633	(73.2)	(45.4)
30-39	343,074	3,373	(1.0)	2,806	140	427	(95.2)	(12.7)	1,418	438	1,517	(76.4)	(45.0)
40-49	258,078	2,786	(1.1)	2,280	123	383	(94.9)	(13.7)	1,142	371	1,273	(75.5)	(45.7)
50+	236,635	1,754	(0.7)	1,401	88	265	(94.1)	(15.1)	695	257	802	(73.0)	(45.7)
Missing/invalid	13,925	149	(1.1)	135	14	0	(90.6)	(0.0)	95	9	45	(91.3)	(30.2)
Race/Ethnicity													
White	457,486	3,198	(0.7)	2,685	96	417	(96.5)	(13.0)	1,420	453	1,325	(75.8)	(41.4)
Black or African American	696,159	7,525	(1.1)	5,727	442	1,356	(92.8)	(18.0)	2,661	1,080	3,784	(71.1)	(50.3)
Hispanic or Latino	322,877	2,669	(0.8)	2,534	66	69	(97.5)	(2.6)	1,502	344	823	(81.4)	(30.8)
Asian	29,424	180	(0.6)	164	3	13	(98.2)	(7.2)	93	16	71	(85.3)	(39.4)
American Indian or Alaska Native	7,932	37	(0.5)	32	0	5	(100.0)	(13.5)	13	5	19	(72.2)	(51.4)
Native Hawaiian or Pacific Islander	5,064	29	(0.6)	28	0	1	(100.0)	(3.4)	15	3	11	(83.3)	(37.9)
Multi-race	13,930	103	(0.7)	95	5	3	(95.0)	(2.9)	45	17	41	(72.6)	(39.8)
Declined	11,796	100	(0.8)	88	11	1	(88.9)	(1.0)	38	26	36	(59.4)	(36.0)
Don't know	26,239	195	(0.7)	141	12	42	(92.2)	(21.5)	62	47	86	(56.9)	(44.1)
Missing/invalid	23,207	308	(1.3)	218	90	0	(70.8)	(0.0)	0	0	308	(0.0)	(100.0)
U.S. geographic region (Puerto Rico excluded)													
Northeast	373,710	2,182	(0.6)	2,099	50	33	(97.7)	(1.5)	1,136	320	726	(78.0)	(33.3)
Midwest	152,454	1,076	(0.7)	1,002	71	3	(93.4)	(0.3)	347	272	457	(56.1)	(42.5)
South	856,980	8,868	(1.0)	6,574	538	1,756	(92.4)	(19.8)	3,201	1,032	4,635	(75.6)	(52.3)
West	190,710	1,914	(1.0)	1,754	45	115	(97.5)	(6.0)	936	309	669	(75.2)	(35.0)
Testing site type													
Health care and correctional facilities	1,113,488	9,085	(0.8)	6,777	575	1,733	(92.2)	(19.1)	3,374	1,335	4,376	(71.7)	(48.2)
Non-health care facilities	408,790	4,644	(1.1)	4,355	139	150	(96.9)	(3.2)	2,361	596	1,687	(79.8)	(36.3)
Other facilities	53,872	513	(1.0)	478	11	24	(97.8)	(4.7)	89	53	371	(62.7)	(72.3)
Missing/invalid	17,964	102	(0.6)	102	0	0	(100.0)	(0.0)	25	7	70	(78.1)	(68.6)
Rapid test used in testing event													
Yes	1,019,468	8,650	(0.8)	8,144	70	436	(99.1)	(5.0)	4,199	1,224	3,227	(77.4)	(37.3)
No	573,337	5,694	(1.0)	3,568	655	1,471	(84.5)	(25.8)	1,650	767	3,277	(68.3)	(57.6)
Missing/invalid	1,309	0	(0.0)	...	...	...	...	...	...	...	...	...	...
Total	1,594,114	14,344	(0.9)	11,712	725	1,907	(94.2)	(13.3)	5,849	1,991	6,504	(74.6)	(45.3)

Notes: Ellipses (...) indicate not applicable.
See Technical Notes for definition of newly identified confirmed HIV-positive testing event.
Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 17: Testing continuum of testing event, receipt of result and linkage to HIV medical care, among newly identified confirmed HIV-positive females, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events			Receipt of test result					Linkage to HIV medical care				
	All testing events	Positive tests	(Positive %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)	Linked	Not linked	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)													
<13	3,553	11	(0.3)	8	2	1	(80.0)	(9.1)	3	3	5	(50.0)	(45.5)
13-19	210,033	145	(0.1)	85	41	19	(67.5)	(13.1)	38	23	84	(62.3)	(57.9)
20-29	731,073	1,065	(0.1)	739	143	183	(83.8)	(17.2)	359	110	596	(76.5)	(56.0)
30-39	354,739	1,013	(0.3)	754	67	192	(91.8)	(19.0)	389	107	517	(78.4)	(51.0)
40-49	212,936	962	(0.5)	734	47	181	(94.0)	(18.8)	357	128	477	(73.6)	(49.6)
50+	162,435	637	(0.4)	520	32	85	(94.2)	(13.3)	288	82	267	(77.8)	(41.9)
Missing/invalid	12,545	36	(0.3)	33	2	1	(94.3)	(2.8)	23	3	10	(88.5)	(27.8)
Race/Ethnicity													
White	432,347	582	(0.1)	399	68	115	(85.4)	(19.8)	210	68	304	(75.5)	(52.2)
Black or African American	769,020	2,568	(0.3)	1,857	200	511	(90.3)	(19.9)	930	303	1,335	(75.4)	(52.0)
Hispanic or Latino	356,946	516	(0.1)	470	29	17	(94.2)	(3.3)	271	63	182	(81.1)	(35.3)
Asian	24,699	22	(0.1)	19	0	3	(100.0)	(13.6)	8	3	11	(72.7)	(50.0)
American Indian or Alaska Native	8,454	10	(0.1)	7	2	1	(77.8)	(10.0)	3	1	6	(75.0)	(60.0)
Native Hawaiian or Pacific Islander	3,246	5	(0.2)	3	2	0	(60.0)	(0.0)	3	1	1	(75.0)	(20.0)
Multi-race	12,213	16	(0.1)	15	1	0	(93.8)	(0.0)	7	5	4	(58.3)	(25.0)
Declined	9,330	23	(0.2)	20	3	0	(87.0)	(0.0)	10	4	9	(71.4)	(39.1)
Don't know	27,836	46	(0.2)	24	7	15	(77.4)	(32.6)	14	8	24	(63.6)	(52.2)
Missing/invalid	43,223	81	(0.2)	59	22	0	(72.8)	(0.0)	1	0	80	(100.0)	(98.8)
U.S. geographic region (Puerto Rico excluded)													
Northeast	339,750	716	(0.2)	668	17	31	(97.5)	(4.3)	355	104	257	(77.3)	(35.9)
Midwest	140,728	176	(0.1)	160	16	0	(90.9)	(0.0)	59	33	84	(64.1)	(47.7)
South	1,083,185	2,693	(0.2)	1,797	275	621	(86.7)	(23.1)	889	278	1,526	(76.2)	(56.7)
West	101,254	153	(0.2)	127	16	10	(88.8)	(6.5)	56	20	77	(73.7)	(50.3)
Testing site type													
Health care and correctional facilities	1,299,721	2,851	(0.2)	1,953	284	614	(87.3)	(21.5)	1,017	351	1,483	(74.3)	(52.0)
Non-health care facilities	288,112	875	(0.3)	791	46	38	(94.5)	(4.3)	424	97	354	(81.4)	(40.5)
Other facilities	75,842	113	(0.1)	100	4	9	(96.2)	(8.0)	9	7	97	(56.3)	(85.8)
Missing/invalid	23,639	30	(0.1)	29	0	1	(100.0)	(3.3)	7	1	22	(87.5)	(73.3)
Rapid test used in testing event													
Yes	846,221	1,896	(0.2)	1,763	11	122	(99.4)	(6.4)	919	236	741	(79.6)	(39.1)
No	838,713	1,973	(0.2)	1,110	323	540	(77.5)	(27.4)	538	220	1,215	(71.0)	(61.6)
Missing/invalid	2,380	0	(0.0)	...	...	...	...	...	...	...	...	...	...
Total	1,687,314	3,869	(0.2)	2,873	334	662	(89.6)	(17.1)	1,457	456	1,956	(76.2)	(50.6)

Notes: Ellipses (...) indicate not applicable.
See Technical Notes for definition of newly identified confirmed HIV-positive testing event.
Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 18: Testing continuum of testing event, receipt of result and linkage to HIV medical care, among newly identified confirmed HIV-positive transgender persons, 51 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events			Receipt of test result					Linkage to HIV medical care				
	All testing events	Positive tests	(Positive %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)	Linked	Not linked	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)													
<13	14	1	(7.1)	1	0	0	(100.0)	(0)	1	0	0	(100.0)	(0)
13-19	420	8	(1.9)	7	1	0	(87.5)	(0)	0	2	6	(0)	(75.0)
20-29	2,988	83	(2.8)	80	2	1	(97.6)	(1.2)	46	13	24	(78.0)	(28.9)
30-39	1,459	41	(2.8)	39	2	0	(95.1)	(0)	16	8	17	(66.7)	(41.5)
40-49	768	22	(2.9)	22	0	0	(100.0)	(0)	10	6	6	(62.5)	(27.3)
50+	450	10	(2.2)	9	0	1	(100.0)	(10.0)	4	2	4	(66.7)	(40.0)
Missing/invalid	93	1	(1.1)	1	0	0	(100.0)	(0)	1	0	0	(100.0)	(0)
Race/Ethnicity													
White	1,271	13	(1.0)	11	1	1	(91.7)	(7.7)	4	2	7	(66.7)	(53.8)
Black or African American	1,888	90	(4.8)	85	4	1	(95.5)	(1.1)	36	17	37	(67.9)	(41.1)
Hispanic or Latino	2,185	48	(2.2)	48	0	0	(100.0)	(0)	28	10	10	(73.7)	(20.8)
Asian	186	5	(2.7)	5	0	0	(100.0)	(0)	3	0	2	(100.0)	(40.0)
American Indian or Alaska Native	90	0	(0)	...	...	...	...	...	...	...	...	...	...
Native Hawaiian or Pacific Islander	107	1	(0.9)	1	0	0	(100.0)	(0)	1	0	0	(100.0)	(0)
Multi-race	182	7	(3.8)	7	0	0	(100.0)	(0)	4	2	1	(66.7)	(14.3)
Declined	102	2	(2.0)	2	0	0	(100.0)	(0)	2	0	0	(100.0)	(0)
Don't know	180	0	(0)	...	...	...	...	...	...	...	...	...	...
Missing/invalid	1	0	(0)	...	...	...	...	...	...	...	...	...	...
U.S. geographic region (Puerto Rico excluded)													
Northeast	1,983	48	(2.4)	48	0	0	(100.0)	(0)	26	10	12	(72.2)	(25.0)
Midwest	473	11	(2.3)	11	0	0	(100.0)	(0)	1	3	7	(25.0)	(63.6)
South	1,602	51	(3.2)	49	1	1	(98.0)	(2.0)	28	3	20	(90.3)	(39.2)
West	2,033	54	(2.7)	49	4	1	(92.5)	(1.9)	21	15	18	(58.3)	(33.3)
Testing site type													
Health care and correctional facilities	2,380	61	(2.6)	58	2	1	(96.7)	(1.6)	35	10	16	(77.8)	(26.2)
Non-health care facilities	3,556	99	(2.8)	98	0	1	(100.0)	(1.0)	40	19	40	(67.8)	(40.4)
Other facilities	216	6	(2.8)	3	3	0	(50.0)	(0)	3	2	1	(60.0)	(16.7)
Missing/invalid	40	0	(0)	...	...	...	...	...	...	...	...	...	...
Rapid test used in testing event													
Yes	5,677	147	(2.6)	145	0	2	(100.0)	(1.4)	68	27	52	(71.6)	(35.4)
No	509	19	(3.7)	14	5	0	(73.7)	(0)	10	4	5	(71.4)	(26.3)
Missing/invalid	6	0	(0)	...	...	...	...	...	...	...	...	...	...
Total	6,192	166	(2.7)	159	5	2	(97.0)	(1.2)	78	31	57	(71.6)	(34.3)

Notes: 51 health department jurisdictions are included because Alaska, North Dakota, North Carolina and West Virginia did not report any testing events for transgender persons.

Ellipses (...) indicate not applicable.

See Technical Notes for definition of newly identified confirmed HIV-positive testing event.

Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 19: Testing continuum of testing event, receipt of result and linkage to HIV medical care, among newly identified confirmed HIV-positive individuals tested in health care and correctional facility testing sites, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events			Receipt of test result					Linkage to HIV medical care				
	All testing events	Positive tests	(Positive %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid)	Linked	Not linked	Missing/invalid	(Indicator %)	(Missing/invalid)
Age at test (years)													
<13	5,230	18	(0.3)	15	2	1	(88.2)	(5.6)	9	5	4	(64.3)	(22.2)
13-19	252,486	429	(0.2)	275	75	79	(78.6)	(18.4)	123	65	241	(65.4)	(56.2)
20-29	1,019,319	4,563	(0.4)	3,247	414	902	(88.7)	(19.8)	1,591	706	2,266	(69.3)	(49.7)
30-39	517,092	2,848	(0.6)	2,106	167	575	(92.7)	(20.2)	1,068	380	1,400	(73.8)	(49.2)
40-49	332,027	2,507	(0.8)	1,867	132	508	(93.4)	(20.3)	964	327	1,216	(74.7)	(48.5)
50+	280,510	1,550	(0.6)	1,192	72	286	(94.3)	(18.5)	611	204	735	(75.0)	(47.4)
Missing/invalid	20,030	137	(0.7)	123	13	1	(90.4)	(0.7)	87	11	39	(88.8)	(28.5)
Gender													
Male	1,113,488	9,085	(0.8)	6,777	575	1,733	(92.2)	(19.1)	3,374	1,335	4,376	(71.7)	(48.2)
Female	1,299,721	2,851	(0.2)	1,953	284	614	(87.3)	(21.5)	1,017	351	1,483	(74.3)	(52.0)
Transgender	2,380	61	(2.6)	58	2	1	(96.7)	(1.6)	35	10	16	(77.8)	(26.2)
Declined	2,557	14	(0.5)	7	3	4	(70.0)	(28.6)	6	2	6	(75.0)	(42.9)
Missing/invalid	8,548	41	(0.5)	30	11	0	(73.2)	(0)	21	0	20	(100.0)	(48.8)
Race/Ethnicity													
White	673,551	2,298	(0.3)	1,694	125	479	(93.1)	(20.8)	865	338	1,095	(71.9)	(47.7)
Black or African American	1,108,866	7,290	(0.7)	5,031	542	1,717	(90.3)	(23.6)	2,445	1,043	3,802	(70.1)	(52.2)
Hispanic or Latino	474,605	1,732	(0.4)	1,594	63	75	(96.2)	(4.3)	958	227	547	(80.8)	(31.6)
Asian	36,224	98	(0.3)	80	2	16	(97.6)	(16.3)	44	10	44	(81.5)	(44.9)
American Indian or Alaska Native	9,605	27	(0.3)	22	0	5	(100.0)	(18.5)	11	3	13	(78.6)	(48.1)
Native Hawaiian or Pacific Islander	5,990	20	(0.3)	17	2	1	(89.5)	(5.0)	12	2	6	(85.7)	(30.0)
Multi-race	17,137	53	(0.3)	50	1	2	(98.0)	(3.8)	26	9	18	(74.3)	(34.0)
Declined	14,700	66	(0.4)	54	11	1	(83.1)	(1.5)	28	20	18	(58.3)	(27.3)
Don't know	45,435	211	(0.5)	138	17	56	(89.0)	(26.5)	63	46	102	(57.8)	(48.3)
Missing/invalid	40,581	257	(0.6)	145	112	0	(56.4)	(0)	1	0	256	(100.0)	(99.6)
U.S. geographic region (Puerto Rico excluded)													
Northeast	505,746	1,769	(0.3)	1,663	43	63	(97.5)	(3.6)	917	276	576	(76.9)	(32.6)
Midwest	228,085	807	(0.4)	747	59	1	(92.7)	(0.1)	287	170	350	(62.8)	(43.4)
South	1,499,672	8,293	(0.6)	5,381	728	2,184	(88.1)	(26.3)	2,613	1,072	4,608	(70.9)	(55.6)
West	169,709	874	(0.5)	746	24	104	(96.9)	(11.9)	394	131	349	(75.0)	(39.9)
Risk category													
Male-to-male sexual contact and injection drug use	2,783	98	(3.5)	90	2	6	(97.8)	(6.1)	54	18	26	(75.0)	(26.5)
Male-male sexual contact	100,662	3,401	(3.4)	2,781	118	502	(95.9)	(14.8)	1,526	505	1,370	(75.1)	(40.3)
Injection drug use	53,126	164	(0.3)	142	11	11	(92.8)	(6.7)	83	23	58	(78.3)	(35.4)
High-risk heterosexual contact	909,697	2,550	(0.3)	2,054	202	294	(91.0)	(11.5)	1,155	304	1,091	(79.2)	(42.8)
Low-risk heterosexual contact	361,202	1,076	(0.3)	543	21	512	(96.3)	(47.6)	368	121	587	(75.3)	(54.6)
Other	18,687	32	(0.2)	24	0	8	(100.0)	(25.0)	7	4	21	(63.6)	(65.6)
No acknowledged risk	127,014	594	(0.5)	490	17	87	(96.6)	(14.6)	239	151	204	(61.3)	(34.3)
Not asked about risk	570,437	2,174	(0.4)	1,469	20	685	(98.7)	(31.5)	344	314	1,516	(52.3)	(69.7)
Declined to discuss risk	5,495	58	(1.1)	47	1	10	(97.9)	(17.2)	19	10	29	(65.5)	(50.0)
Missing/invalid	277,591	1,905	(0.7)	1,185	483	237	(71.0)	(12.4)	658	248	999	(72.6)	(52.4)
Rapid test used in testing event													
Yes	1,214,582	5,881	(0.5)	5,323	47	511	(99.1)	(8.7)	2,745	910	2,226	(75.1)	(37.9)
No	1,207,372	6,171	(0.5)	3,502	828	1,841	(80.9)	(29.8)	1,708	788	3,675	(68.4)	(59.6)
Missing/invalid	4,740	0	(0)	...	...	...	...	...	...	...	...	...	...
Total	2,426,694	12,052	(0.5)	8,825	875	2,352	(91.0)	(19.5)	4,453	1,698	5,901	(72.4)	(49.0)

Notes: Ellipses (...) indicate not applicable.
See Technical Notes for definition of newly identified confirmed HIV-positive testing event.
Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 20: Testing continuum of testing event, receipt of result and linkage to HIV medical care, among newly identified confirmed HIV-positive individuals tested in non-health care testing sites, 54 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events			Receipt of test result					Linkage to HIV medical care				
	All testing events	Positive tests	(Positive %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)	Linked	Not linked	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)													
<13	1,014	6	(0.6)	6	0	0	(100.0)	(0)	4	0	2	(100.0)	(33.3)
13-19	67,633	172	(0.3)	163	5	4	(97.0)	(2.3)	85	23	64	(78.7)	(37.2)
20-29	261,779	2,108	(0.8)	2,007	59	42	(97.1)	(2.0)	1,090	234	784	(82.3)	(37.2)
30-39	146,443	1,391	(0.9)	1,319	38	34	(97.2)	(2.4)	727	153	511	(82.6)	(36.7)
40-49	117,809	1,128	(1.0)	1,047	34	47	(96.9)	(4.2)	530	168	430	(75.9)	(38.1)
50+	102,023	779	(0.8)	670	47	62	(93.4)	(8.0)	367	133	279	(73.4)	(35.8)
Missing/invalid	6,224	46	(0.7)	43	3	0	(93.5)	(0)	28	1	17	(96.6)	(37.0)
Gender													
Male	408,790	4,644	(1.1)	4,355	139	150	(96.9)	(3.2)	2,361	596	1,687	(79.8)	(36.3)
Female	288,112	875	(0.3)	791	46	38	(94.5)	(4.3)	424	97	354	(81.4)	(40.5)
Transgender	3,556	99	(2.8)	98	0	1	(100.0)	(1.0)	40	19	40	(67.8)	(40.4)
Declined	313	0	(0)	...	...	...	...	...	...	...	...	...	...
Missing/invalid	2,154	12	(0.6)	11	1	0	(91.7)	(0)	6	0	6	(100.0)	(50.0)
Race/Ethnicity													
White	185,120	1,396	(0.8)	1,310	41	45	(97.0)	(3.2)	744	172	480	(81.2)	(34.4)
Black or African American	297,137	2,483	(0.8)	2,252	101	130	(95.7)	(5.2)	1,115	316	1,052	(77.9)	(42.4)
Hispanic or Latino	171,328	1,425	(0.8)	1,386	28	11	(98.0)	(0.8)	820	181	424	(81.9)	(29.8)
Asian	15,680	103	(0.7)	102	1	0	(99.0)	(0)	58	9	36	(86.6)	(35.0)
American Indian or Alaska Native	6,046	19	(0.3)	16	2	1	(88.9)	(5.3)	5	3	11	(62.5)	(57.9)
Native Hawaiian or Pacific Islander	2,228	15	(0.7)	15	0	0	(100.0)	(0)	7	2	6	(77.8)	(40.0)
Multi-race	8,626	66	(0.8)	60	5	1	(92.3)	(1.5)	30	10	26	(75.0)	(39.4)
Declined	6,253	61	(1.0)	58	3	0	(95.1)	(0)	24	10	27	(70.6)	(44.3)
Don't know	7,374	54	(0.7)	48	5	1	(90.6)	(1.9)	28	9	17	(75.7)	(31.5)
Missing/invalid	3,133	8	(0.3)	8	0	0	(100.0)	(0)	0	0	8	(0)	(100.0)
U.S. geographic region (Puerto Rico excluded)													
Northeast	172,775	1,138	(0.7)	1,115	23	0	(98.0)	(0)	580	152	406	(79.2)	(35.7)
Midwest	59,669	451	(0.8)	421	28	2	(93.8)	(0.4)	122	135	194	(47.5)	(43.0)
South	332,623	2,724	(0.8)	2,463	96	165	(96.2)	(6.1)	1,452	199	1,073	(87.9)	(39.4)
West	119,662	1,196	(1.0)	1,145	29	22	(97.5)	(1.8)	592	197	407	(75.0)	(34.0)
Risk category													
Male-to-male sexual contact and injection drug use	4,256	117	(2.7)	113	3	1	(97.4)	(0.9)	52	19	46	(73.2)	(39.3)
Male-male sexual contact	134,075	3,020	(2.3)	2,893	63	64	(97.9)	(2.1)	1,567	379	1,074	(80.5)	(35.6)
Injection drug use	26,324	166	(0.6)	157	7	2	(95.7)	(1.2)	68	46	52	(59.6)	(31.3)
High-risk heterosexual contact	299,469	1,116	(0.4)	1,071	43	2	(96.1)	(0.2)	571	108	437	(84.1)	(39.2)
Low-risk heterosexual contact	86,193	372	(0.4)	256	27	89	(90.5)	(23.9)	124	54	194	(69.7)	(52.2)
Other	10,618	14	(0.1)	10	0	4	(100.0)	(28.6)	8	0	6	(100.0)	(42.9)
No acknowledged risk	60,263	253	(0.4)	245	8	0	(96.8)	(0)	169	31	53	(84.5)	(20.9)
Not asked about risk	29,287	126	(0.4)	124	2	0	(98.4)	(0)	56	15	55	(78.9)	(43.7)
Declined to discuss risk	2,560	18	(0.7)	16	2	0	(88.9)	(0)	11	3	4	(78.6)	(22.2)
Missing/invalid	49,880	428	(0.9)	370	31	27	(92.3)	(6.3)	205	57	166	(78.2)	(38.8)
Rapid test used in testing event													
Yes	600,525	4,527	(0.8)	4,444	35	48	(99.2)	(1.1)	2,348	524	1,655	(81.8)	(36.6)
No	102,226	1,103	(1.1)	811	151	141	(84.3)	(12.8)	483	188	432	(72.0)	(39.2)
Missing/invalid	174	0	(0)	...	...	...	...	...	...	...	...	...	...
Total	702,925	5,630	(0.8)	5,255	186	189	(96.6)	(3.4)	2,831	712	2,087	(79.9)	(37.1)

Notes: 54 health department jurisdictions are included because Alabama did not submit any testing events conducted in non-health care settings. Ellipses (...) indicate not applicable. See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 21: Testing continuum of testing event, receipt of result and linkage to HIV medical care, among newly identified confirmed HIV-positive men who have sex with men, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events			Receipt of test result					Linkage to HIV medical care				
	All testing events	Positive tests	(Positive %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)	Linked	Not linked	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)													
<13	322	5	(1.6)	5	0	0	(100.0)	(0)	4	0	1	(100.0)	(20.0)
13-19	15,173	284	(1.9)	250	6	28	(97.7)	(9.9)	118	41	125	(74.2)	(44.0)
20-29	108,079	3,631	(3.4)	3,196	102	333	(96.9)	(9.2)	1,645	511	1,475	(76.3)	(40.6)
30-39	56,985	1,639	(2.9)	1,500	35	104	(97.7)	(6.3)	840	214	585	(79.7)	(35.7)
40-49	40,655	981	(2.4)	871	25	85	(97.2)	(8.7)	466	130	385	(78.2)	(39.2)
50+	27,969	413	(1.5)	362	17	34	(95.5)	(8.2)	210	70	133	(75.0)	(32.2)
Missing/invalid	1,324	12	(0.9)	6	6	0	(50.0)	(0)	2	0	10	(100.0)	(83.3)
Race/Ethnicity													
White	111,514	1,992	(1.8)	1,788	35	169	(98.1)	(8.5)	999	270	723	(78.7)	(36.3)
Black or African American	59,849	3,017	(5.0)	2,511	122	384	(95.4)	(12.7)	1,199	479	1,339	(71.5)	(44.4)
Hispanic or Latino	56,575	1,536	(2.7)	1,496	25	15	(98.4)	(1.0)	925	173	438	(84.2)	(28.5)
Asian	8,903	116	(1.3)	110	2	4	(98.2)	(3.4)	68	11	37	(86.1)	(31.9)
American Indian or Alaska Native	1,459	21	(1.4)	18	0	3	(100.0)	(14.3)	9	2	10	(81.8)	(47.6)
Native Hawaiian or Pacific Islander	1,215	21	(1.7)	20	0	1	(100.0)	(4.8)	10	2	9	(83.3)	(42.9)
Multi-race	3,990	75	(1.9)	70	3	2	(95.9)	(2.7)	33	14	28	(70.2)	(37.3)
Declined	2,294	46	(2.0)	46	0	0	(100.0)	(0)	16	8	22	(66.7)	(47.8)
Don't know	2,976	55	(1.8)	45	4	6	(91.8)	(10.9)	26	7	22	(78.8)	(40.0)
Missing/invalid	1,732	86	(5.0)	86	0	0	(100.0)	(0)	0	0	86	(0)	(100.0)
U.S. geographic region (Puerto Rico excluded)													
Northeast	49,078	1,163	(2.4)	1,143	20	0	(98.3)	(0)	651	177	335	(78.6)	(28.8)
Midwest	29,964	704	(2.3)	655	47	2	(93.3)	(0.3)	173	218	313	(44.2)	(44.5)
South	98,707	3,567	(3.6)	2,931	100	536	(96.7)	(15.0)	1,606	324	1,637	(83.2)	(45.9)
West	69,436	1,392	(2.0)	1,325	21	46	(98.4)	(3.3)	739	230	423	(76.3)	(30.4)
Testing site type													
Health care and correctional facilities	103,445	3,499	(3.4)	2,871	120	508	(96.0)	(14.5)	1,580	523	1,396	(75.1)	(39.9)
Non-health care facilities	138,331	3,137	(2.3)	3,006	66	65	(97.9)	(2.1)	1,619	398	1,120	(80.3)	(35.7)
Other facilities	7,290	291	(4.0)	275	5	11	(98.2)	(3.8)	69	41	181	(62.7)	(62.2)
Missing/invalid	1,441	38	(2.6)	38	0	0	(100.0)	(0)	17	4	17	(81.0)	(44.7)
Rapid test used in testing event													
Yes	206,496	4,896	(2.4)	4,736	42	118	(99.1)	(2.4)	2,520	714	1,662	(77.9)	(33.9)
No	43,831	2,069	(4.7)	1,454	149	466	(90.7)	(22.5)	765	252	1,052	(75.2)	(50.8)
Missing/invalid	180	0	(0)	...	...	...	...	...	...	...	...	...	...
Total	250,507	6,965	(2.8)	6,190	191	584	(97.0)	(8.4)	3,285	966	2,714	(77.3)	(39.0)

Notes: Ellipses (...) indicate not applicable.
 See Technical Notes for definition of newly identified confirmed HIV-positive testing event.
 Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 22: Testing continuum of testing event, receipt of result and linkage to HIV medical care, among newly identified confirmed HIV-positive high-risk heterosexual males, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events			Receipt of test result					Linkage to HIV medical care				
	All testing events	Positive tests	(Positive %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)	Linked	Not linked	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)													
<13	602	3	(0.5)	3	0	0	(100.0)	(0)	2	0	1	(100.0)	(33.3)
13-19	48,681	48	(0.1)	40	5	3	(88.9)	(6.3)	22	1	25	(95.7)	(52.1)
20-29	219,372	532	(0.2)	443	33	56	(93.1)	(10.5)	223	62	247	(78.2)	(46.4)
30-39	113,841	467	(0.4)	416	26	25	(94.1)	(5.4)	208	59	200	(77.9)	(42.8)
40-49	78,395	500	(0.6)	447	19	34	(95.9)	(6.8)	242	68	190	(78.1)	(38.0)
50+	63,004	377	(0.6)	342	14	21	(96.1)	(5.6)	196	42	139	(82.4)	(36.9)
Missing/invalid	3,838	30	(0.8)	29	1	0	(96.7)	(0)	16	4	10	(80.0)	(33.3)
Race/Ethnicity													
White	136,698	206	(0.2)	176	14	16	(92.6)	(7.8)	76	20	110	(79.2)	(53.4)
Black or African American	266,326	1,302	(0.5)	1,119	67	116	(94.4)	(8.9)	583	154	565	(79.1)	(43.4)
Hispanic or Latino	95,863	375	(0.4)	356	16	3	(95.7)	(0.8)	222	51	102	(81.3)	(27.2)
Asian	6,635	14	(0.2)	14	0	0	(100.0)	(0)	7	1	6	(87.5)	(42.9)
American Indian or Alaska Native	3,226	5	(0.2)	5	0	0	(100.0)	(0)	0	2	3	(0)	(60.0)
Native Hawaiian or Pacific Islander	1,674	5	(0.3)	5	0	0	(100.0)	(0)	4	0	1	(100.0)	(20.0)
Multi-race	6,506	13	(0.2)	12	1	0	(92.3)	(0)	6	2	5	(75.0)	(38.5)
Declined	3,413	15	(0.4)	15	0	0	(100.0)	(0)	8	3	4	(72.7)	(26.7)
Don't know	4,541	13	(0.3)	9	0	4	(100.0)	(30.8)	3	3	7	(50.0)	(53.8)
Missing/invalid	2,851	9	(0.3)	9	0	0	(100.0)	(0)	0	0	9	(0)	(100.0)
U.S. geographic region (Puerto Rico excluded)													
Northeast	131,071	495	(0.4)	481	14	0	(97.2)	(0)	254	69	172	(78.6)	(34.7)
Midwest	74,434	128	(0.2)	111	17	0	(86.7)	(0)	30	26	72	(53.6)	(56.3)
South	265,993	1,124	(0.4)	930	56	138	(94.3)	(12.3)	504	101	519	(83.3)	(46.2)
West	47,301	123	(0.3)	120	2	1	(98.4)	(0.8)	58	20	45	(74.4)	(36.6)
Testing site type													
Health care and correctional facilities	375,830	1,306	(0.3)	1,096	74	136	(93.7)	(10.4)	596	170	540	(77.8)	(41.3)
Non-health care facilities	137,509	580	(0.4)	558	22	0	(96.2)	(0)	300	59	221	(83.6)	(38.1)
Other facilities	10,373	54	(0.5)	49	2	3	(96.1)	(5.6)	7	5	42	(58.3)	(77.8)
Missing/invalid	4,021	17	(0.4)	17	0	0	(100.0)	(0)	6	2	9	(75.0)	(52.9)
Rapid test used in testing event													
Yes	337,145	1,204	(0.4)	1,189	14	1	(98.8)	(0.1)	633	151	420	(80.7)	(34.9)
No	189,897	753	(0.4)	531	84	138	(86.3)	(18.3)	276	85	392	(76.5)	(52.1)
Missing/invalid	691	0	(0)	...	...	...	...	...	...	...	...	...	...
Total	527,733	1,957	(0.4)	1,720	98	139	(94.6)	(7.1)	909	236	812	(79.4)	(41.5)

Notes: Ellipses (...) indicate not applicable.
 See Technical Notes for definition of newly identified confirmed HIV-positive testing event.
 Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 23: Testing continuum of testing event, receipt of result and linkage to HIV medical care, among newly identified confirmed HIV-positive high-risk heterosexual females, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	HIV testing events			Receipt of test result					Linkage to HIV medical care				
	All testing events	Positive tests	(Positive %)	Test result received	Test result not received	Missing/invalid	(Indicator %)	(Missing/invalid %)	Linked	Not linked	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)													
<13	907	5	(0.6)	3	2	0	(60.0)	(0)	0	1	4	(0)	(80.0)
13-19	92,751	77	(0.1)	47	27	3	(63.5)	(3.9)	26	11	40	(70.3)	(51.9)
20-29	332,890	566	(0.2)	430	78	58	(84.6)	(10.2)	236	48	282	(83.1)	(49.8)
30-39	153,245	474	(0.3)	412	21	41	(95.2)	(8.6)	232	45	197	(83.8)	(41.6)
40-49	81,920	431	(0.5)	375	13	43	(96.6)	(10.0)	202	48	181	(80.8)	(42.0)
50+	44,584	273	(0.6)	245	9	19	(96.5)	(7.0)	144	31	98	(82.3)	(35.9)
Missing/invalid	4,357	7	(0.2)	7	0	0	(100.0)	(0)	1	1	5	(50.0)	(71.4)
Race/Ethnicity													
White	201,547	281	(0.1)	213	43	25	(83.2)	(8.9)	121	21	139	(85.2)	(49.5)
Black or African American	330,239	1,211	(0.4)	995	82	134	(92.4)	(11.1)	534	126	551	(80.9)	(45.5)
Hispanic or Latino	140,969	280	(0.2)	256	21	3	(92.4)	(1.1)	161	32	87	(83.4)	(31.1)
Asian	9,519	8	(0.1)	8	0	0	(100.0)	(0)	5	0	3	(100.0)	(37.5)
American Indian or Alaska Native	4,276	2	(<0.1)	2	0	0	(100.0)	(0)	1	0	1	(100.0)	(50.0)
Native Hawaiian or Pacific Islander	1,759	3	(0.2)	2	1	0	(66.7)	(0)	2	1	0	(66.7)	(0)
Multi-race	8,148	10	(0.1)	9	1	0	(90.0)	(0)	5	2	3	(71.4)	(30.0)
Declined	4,562	15	(0.3)	15	0	0	(100.0)	(0)	8	2	5	(80.0)	(33.3)
Don't know	7,383	10	(0.1)	6	2	2	(75.0)	(20.0)	3	1	6	(75.0)	(60.0)
Missing/invalid	2,252	13	(0.6)	13	0	0	(100.0)	(0)	1	0	12	(100.0)	(92.3)
U.S. geographic region (Puerto Rico excluded)													
Northeast	137,866	396	(0.3)	388	6	2	(98.5)	(0.5)	203	53	140	(79.3)	(35.4)
Midwest	83,477	107	(0.1)	100	7	0	(93.5)	(0)	30	21	56	(58.8)	(52.3)
South	431,636	1,171	(0.3)	889	123	159	(87.8)	(13.6)	508	87	576	(85.4)	(49.2)
West	42,921	75	(0.2)	63	9	3	(87.5)	(4.0)	35	11	29	(76.1)	(38.7)
Testing site type													
Health care and correctional facilities	533,867	1,244	(0.2)	958	128	158	(88.2)	(12.7)	559	134	551	(80.7)	(44.3)
Non-health care facilities	161,960	536	(0.3)	513	21	2	(96.1)	(0.4)	271	49	216	(84.7)	(40.3)
Other facilities	9,436	42	(0.4)	38	1	3	(97.4)	(7.1)	6	2	34	(75.0)	(81.0)
Missing/invalid	5,391	11	(0.2)	10	0	1	(100.0)	(9.1)	5	0	6	(100.0)	(54.5)
Rapid test used in testing event													
Yes	374,108	1,042	(0.3)	1,021	7	14	(99.3)	(1.3)	558	108	376	(83.8)	(36.1)
No	335,339	791	(0.2)	498	143	150	(77.7)	(19.0)	283	77	431	(78.6)	(54.5)
Missing/invalid	1,207	0	(0)	...	...	...	...	...	...	...	...	...	...
Total	710,654	1,833	(0.3)	1,519	150	164	(91.0)	(8.9)	841	185	807	(82.0)	(44.0)

Notes: Ellipses (...) indicate not applicable.
See Technical Notes for definition of newly identified confirmed HIV-positive testing event.
Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 24: Partner and HIV prevention services referrals among newly identified confirmed HIV-positive individuals, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Referred to partner services					Referred to HIV prevention services				
	Referred	Not referred	Missing/ invalid	(Indicator %)	(Missing/ invalid %)	Referred	Not referred	Missing/ invalid	(Indicator %)	(Missing/ invalid %)
Age at test (years)										
<13	17	6	3	(73.9)	(11.5)	11	8	7	(57.9)	(26.9)
13-19	376	76	174	(83.2)	(27.8)	209	79	338	(72.6)	(54.0)
20-29	4,015	1,026	1,937	(79.6)	(27.8)	2,482	1,243	3,253	(66.6)	(46.6)
30-39	2,501	709	1,229	(77.9)	(27.7)	1,539	868	2,032	(63.9)	(45.8)
40-49	1,916	697	1,164	(73.3)	(30.8)	1,206	775	1,796	(60.9)	(47.6)
50+	1,233	448	731	(73.3)	(30.3)	766	498	1,148	(60.6)	(47.6)
Missing/invalid	137	20	31	(87.3)	(16.5)	80	63	45	(55.9)	(23.9)
Race/Ethnicity										
White	2,145	643	1,012	(76.9)	(26.6)	1,482	857	1,461	(63.4)	(38.4)
Black or African American	5,318	1,457	3,426	(78.5)	(33.6)	3,041	1,602	5,558	(65.5)	(54.5)
Hispanic or Latino	2,048	731	460	(73.7)	(14.2)	1,461	919	859	(61.4)	(26.5)
Asian	123	39	45	(75.9)	(21.7)	111	42	54	(72.5)	(26.1)
American Indian or Alaska Native	28	9	10	(75.7)	(21.3)	20	8	19	(71.4)	(40.4)
Native Hawaiian or Pacific Islander	25	4	6	(86.2)	(17.1)	17	9	9	(65.4)	(25.7)
Multi-race	79	20	28	(79.8)	(22.0)	66	23	38	(74.2)	(29.9)
Declined	47	19	61	(71.2)	(48.0)	16	7	104	(69.6)	(81.9)
Don't know	127	60	83	(67.9)	(30.7)	78	67	125	(53.8)	(46.3)
Missing/invalid	255	0	138	(100.0)	(35.1)	1	0	392	(100.0)	(99.7)
U.S. geographic region (Puerto Rico excluded)										
Northeast	1,335	910	709	(59.5)	(24.0)	1,277	1,060	617	(54.6)	(20.9)
Midwest	780	129	356	(85.8)	(28.1)	753	164	348	(82.1)	(27.5)
South	6,294	1,615	3,758	(79.6)	(32.2)	2,741	1,673	7,253	(62.1)	(62.2)
West	1,438	248	437	(85.3)	(20.6)	1,151	580	392	(66.5)	(18.5)
Testing site type										
Health care facilities including correctional facility clinics	5,852	2,066	4,134	(73.9)	(34.3)	3,578	2,377	6,097	(60.1)	(50.6)
Non-health care facilities	3,700	868	1,062	(81.0)	(18.9)	2,520	1,103	2,007	(69.6)	(35.6)
Other facilities	543	29	60	(94.9)	(9.5)	167	39	426	(81.1)	(67.4)
Missing/invalid	100	19	13	(84.0)	(9.8)	28	15	89	(65.1)	(67.4)
Rapid test used in testing event										
Yes	6,564	1,700	2,450	(79.4)	(22.9)	4,488	2,095	4,131	(68.2)	(38.6)
No	3,631	1,282	2,819	(73.9)	(36.5)	1,805	1,439	4,488	(55.6)	(58.0)
Total	10,195	2,982	5,269	(77.4)	(28.6)	6,293	3,534	8,619	(64.0)	(46.7)

Notes: See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 25: Partner and HIV prevention services referrals, among newly identified confirmed HIV-positive males, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Referred to partner services					Referred to HIV prevention services				
	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)										
<13	10	2	2	(83.3)	(14.3)	7	4	3	(63.6)	(21.4)
13-19	278	56	133	(83.2)	(28.5)	167	63	237	(72.6)	(50.7)
20-29	3,377	848	1,576	(79.9)	(27.2)	2,146	1,074	2,581	(66.6)	(44.5)
30-39	1,945	535	893	(78.4)	(26.5)	1,252	682	1,439	(64.7)	(42.7)
40-49	1,420	524	842	(73.0)	(30.2)	899	585	1,302	(60.6)	(46.7)
50+	893	317	544	(73.8)	(31.0)	552	355	847	(60.9)	(48.3)
Missing/invalid	108	18	23	(85.7)	(15.4)	64	52	33	(55.2)	(22.1)
Race/Ethnicity										
White	1,822	554	822	(76.7)	(25.7)	1,299	759	1,140	(63.1)	(35.6)
Black or African American	3,973	1,023	2,529	(79.5)	(33.6)	2,351	1,152	4,022	(67.1)	(53.4)
Hispanic or Latino	1,699	601	369	(73.9)	(13.8)	1,183	775	711	(60.4)	(26.6)
Asian	111	33	36	(77.1)	(20.0)	98	37	45	(72.6)	(25.0)
American Indian or Alaska Native	25	6	6	(80.6)	(16.2)	17	7	13	(70.8)	(35.1)
Native Hawaiian or Pacific Islander	20	3	6	(87.0)	(20.7)	14	7	8	(66.7)	(27.6)
Multi-race	66	14	23	(82.5)	(22.3)	54	19	30	(74.0)	(29.1)
Declined	34	17	49	(66.7)	(49.0)	12	5	83	(70.6)	(83.0)
Don't know	85	49	61	(63.4)	(31.3)	59	54	82	(52.2)	(42.1)
Missing/invalid	196	0	112	(100.0)	(36.4)	0	0	308	(0)	(100.0)
U.S. geographic region (Puerto Rico excluded)										
Northeast	1,024	658	500	(60.9)	(22.9)	980	768	434	(56.1)	(19.9)
Midwest	679	102	295	(86.9)	(27.4)	658	132	286	(83.3)	(26.6)
South	4,767	1,273	2,828	(78.9)	(31.9)	2,163	1,342	5,363	(61.7)	(60.5)
West	1,317	212	385	(86.1)	(20.1)	1,028	532	354	(65.9)	(18.5)
Testing site type										
Health care facilities including correctional facility clinics	4,408	1,564	3,113	(73.8)	(34.3)	2,793	1,832	4,460	(60.4)	(49.1)
Non-health care facilities	3,101	696	847	(81.7)	(18.2)	2,126	937	1,581	(69.4)	(34.0)
Other facilities	443	25	45	(94.7)	(8.8)	145	35	333	(80.6)	(64.9)
Missing/invalid	79	15	8	(84.0)	(7.8)	23	11	68	(67.6)	(66.7)
Rapid test used in testing event										
Yes	5,402	1,323	1,925	(80.3)	(22.3)	3,735	1,683	3,232	(68.9)	(37.4)
No	2,629	977	2,088	(72.9)	(36.7)	1,352	1,132	3,210	(54.4)	(56.4)
Total	8,031	2,300	4,013	(77.7)	(28.0)	5,087	2,815	6,442	(64.4)	(44.9)

Notes: See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 26: Partner and HIV prevention services referrals, among newly identified confirmed HIV-positive females, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Referred to partner services					Referred to HIV prevention services				
	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)										
<13	6	4	1	(60.0)	(9.1)	3	4	4	(42.9)	(36.4)
13-19	89	20	36	(81.7)	(24.8)	38	16	91	(70.4)	(62.8)
20-29	561	163	341	(77.5)	(32.0)	283	151	631	(65.2)	(59.2)
30-39	527	165	321	(76.2)	(31.7)	262	177	574	(59.7)	(56.7)
40-49	477	167	318	(74.1)	(33.1)	294	184	484	(61.5)	(50.3)
50+	324	130	183	(71.4)	(28.7)	203	142	292	(58.8)	(45.8)
Missing/invalid	28	2	6	(93.3)	(16.7)	16	10	10	(61.5)	(27.8)
Race/Ethnicity										
White	310	87	185	(78.1)	(31.8)	176	95	311	(64.9)	(53.4)
Black or African American	1,282	415	871	(75.5)	(33.9)	643	434	1,491	(59.7)	(58.1)
Hispanic or Latino	311	121	84	(72.0)	(16.3)	246	130	140	(65.4)	(27.1)
Asian	8	6	8	(57.1)	(36.4)	10	4	8	(71.4)	(36.4)
American Indian or Alaska Native	3	3	4	(50.0)	(40.0)	3	1	6	(75.0)	(60.0)
Native Hawaiian or Pacific Islander	4	1	0	(80.0)	(0)	2	2	1	(50.0)	(20.0)
Multi-race	7	5	4	(58.3)	(25.0)	6	4	6	(60.0)	(37.5)
Declined	10	2	11	(83.3)	(47.8)	4	1	18	(80.0)	(78.3)
Don't know	19	11	16	(63.3)	(34.8)	8	13	25	(38.1)	(54.3)
Missing/invalid	58	0	23	(100.0)	(28.4)	1	0	80	(100.0)	(98.8)
U.S. geographic region (Puerto Rico excluded)										
Northeast	286	237	193	(54.7)	(27.0)	272	274	170	(49.8)	(23.7)
Midwest	95	25	56	(79.2)	(31.8)	89	30	57	(74.8)	(32.4)
South	1,453	336	904	(81.2)	(33.6)	542	325	1,826	(62.5)	(67.8)
West	76	28	49	(73.1)	(32.0)	85	39	29	(68.5)	(19.0)
Testing site type										
Health care facilities including correctional facility clinics	1,366	488	997	(73.7)	(35.0)	742	527	1,582	(58.5)	(55.5)
Non-health care facilities	531	155	189	(77.4)	(21.6)	336	149	390	(69.3)	(44.6)
Other facilities	94	4	15	(95.9)	(13.3)	16	4	93	(80.0)	(82.3)
Missing/invalid	21	4	5	(84.0)	(16.7)	5	4	21	(55.6)	(70.0)
Rapid test used in testing event										
Yes	1,058	350	488	(75.1)	(25.7)	669	383	844	(63.6)	(44.5)
No	954	301	718	(76.0)	(36.4)	430	301	1,242	(58.8)	(62.9)
Total	2,012	651	1,206	(75.6)	(31.2)	1,099	684	2,086	(61.6)	(53.9)

Notes: See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 27: Partner and HIV prevention services referrals, among newly identified confirmed HIV-positive transgender persons, 51 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Referred to partner services					Referred to HIV prevention services				
	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)										
<13	1	0	0	(100.0)	(0)	1	0	0	(100.0)	(0)
13-19	4	0	4	(100.0)	(50.0)	3	0	5	(100.0)	(62.5)
20-29	54	14	15	(79.4)	(18.1)	42	16	25	(72.4)	(30.1)
30-39	23	9	9	(71.9)	(22.0)	21	9	11	(70.0)	(26.8)
40-49	12	6	4	(66.7)	(18.2)	9	6	7	(60.0)	(31.8)
50+	7	1	2	(87.5)	(20.0)	8	1	1	(88.9)	(10.0)
Missing/invalid	1	0	0	(100.0)	(0)	0	1	0	(0)	(0)
Race/Ethnicity										
White	8	2	3	(80.0)	(23.1)	6	3	4	(66.7)	(30.8)
Black or African American	51	18	21	(73.9)	(23.3)	43	15	32	(74.1)	(35.6)
Hispanic or Latino	32	9	7	(78.0)	(14.6)	26	14	8	(65.0)	(16.7)
Asian	4	0	1	(100.0)	(20.0)	3	1	1	(75.0)	(20.0)
Native Hawaiian or Pacific Islander	1	0	0	(100.0)	(0)	1	0	0	(100.0)	(0)
Multi-race	5	1	1	(83.3)	(14.3)	5	0	2	(100.0)	(28.6)
Declined	1	0	1	(100.0)	(50.0)	0	0	2	(0)	(100.0)
U.S. geographic region (Puerto Rico excluded)										
Northeast	22	15	11	(59.5)	(22.9)	22	17	9	(56.4)	(18.8)
Midwest	4	2	5	(66.7)	(45.5)	4	2	5	(66.7)	(45.5)
South	31	5	15	(86.1)	(29.4)	20	5	26	(80.0)	(51.0)
West	43	8	3	(84.3)	(5.6)	36	9	9	(80.0)	(16.7)
Testing site type										
Health care and correctional facilities	37	13	11	(74.0)	(18.0)	25	16	20	(61.0)	(32.8)
Non-health care facilities	59	17	23	(77.6)	(23.2)	53	17	29	(75.7)	(29.3)
Other facilities	6	0	0	(100.0)	(0)	6	0	0	(100.0)	(0)
Rapid test used in testing event										
Yes	89	27	31	(76.7)	(21.1)	77	28	42	(73.3)	(28.6)
No	13	3	3	(81.3)	(15.8)	7	5	7	(58.3)	(36.8)
Total	102	30	34	(77.3)	(20.5)	84	33	49	(71.8)	(29.5)

Notes: 51 health department jurisdictions are included because Alaska, North Dakota, North Carolina and West Virginia did not report any testing events for transgender persons. Ellipses (...) indicate not applicable. See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 28: Partner and HIV prevention services referrals, among newly identified confirmed HIV-positive individuals tested in health care and correctional facility testing sites, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Referred to partner services					Referred to HIV prevention services				
	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)										
<13	12	4	2	(75.0)	(11.1)	8	6	4	(57.1)	(22.2)
13-19	239	52	138	(82.1)	(32.2)	130	50	249	(72.2)	(58.0)
20-29	2,323	714	1,526	(76.5)	(33.4)	1,439	799	2,325	(64.3)	(51.0)
30-39	1,382	486	980	(74.0)	(34.4)	823	588	1,437	(58.3)	(50.5)
40-49	1,105	486	916	(69.5)	(36.5)	689	539	1,279	(56.1)	(51.0)
50+	687	318	545	(68.4)	(35.2)	431	351	768	(55.1)	(49.5)
Missing/invalid	104	6	27	(94.5)	(19.7)	58	44	35	(56.9)	(25.5)
Gender										
Male	4,408	1,564	3,113	(73.8)	(34.3)	2,793	1,832	4,460	(60.4)	(49.1)
Female	1,366	488	997	(73.7)	(35.0)	742	527	1,582	(58.5)	(55.5)
Transgender	37	13	11	(74.0)	(18.0)	25	16	20	(61.0)	(32.8)
Declined	6	0	8	(100.0)	(57.1)	4	0	10	(100.0)	(71.4)
Missing/invalid	35	1	5	(97.2)	(12.2)	14	2	25	(87.5)	(61.0)
Race/Ethnicity										
White	1,100	421	777	(72.3)	(33.8)	780	527	991	(59.7)	(43.1)
Black or African American	3,402	1,095	2,793	(75.7)	(38.3)	1,931	1,188	4,171	(61.9)	(57.2)
Hispanic or Latino	1,004	448	280	(69.1)	(16.2)	718	555	459	(56.4)	(26.5)
Asian	42	24	32	(63.6)	(32.7)	40	27	31	(59.7)	(31.6)
American Indian or Alaska Native	20	2	5	(90.9)	(18.5)	11	4	12	(73.3)	(44.4)
Native Hawaiian or Pacific Islander	15	2	3	(88.2)	(15.0)	8	7	5	(53.3)	(25.0)
Multi-race	30	12	11	(71.4)	(20.8)	26	12	15	(68.4)	(28.3)
Declined	30	14	22	(68.2)	(33.3)	10	3	53	(76.9)	(80.3)
Don't know	89	48	74	(65.0)	(35.1)	53	54	104	(49.5)	(49.3)
Missing/invalid	120	0	137	(100.0)	(53.3)	1	0	256	(100.0)	(99.6)
U.S. geographic region (Puerto Rico excluded)										
Northeast	774	537	458	(59.0)	(25.9)	727	673	369	(51.9)	(20.9)
Midwest	521	68	218	(88.5)	(27.0)	489	83	235	(85.5)	(29.1)
South	3,805	1,300	3,188	(74.5)	(38.4)	1,703	1,268	5,322	(57.3)	(64.2)
West	505	107	262	(82.5)	(30.0)	403	308	163	(56.7)	(18.6)
Risk category										
Male-to-male sexual contact and injection drug use	57	24	17	(70.4)	(17.3)	42	33	23	(56.0)	(23.5)
Male-to-male sexual contact	2,222	391	788	(85.0)	(23.2)	1,475	596	1,330	(71.2)	(39.1)
Injection drug use	100	22	42	(82.0)	(25.6)	86	29	49	(74.8)	(29.9)
High-risk heterosexual contact	1,657	329	564	(83.4)	(22.1)	960	373	1,217	(72.0)	(47.7)
Low-risk heterosexual contact	513	128	435	(80.0)	(40.4)	288	148	640	(66.1)	(59.5)
Other	16	4	12	(80.0)	(37.5)	11	4	17	(73.3)	(53.1)
No acknowledged risk	166	351	77	(32.1)	(13.0)	102	359	133	(22.1)	(22.4)
Not asked about risk	271	627	1,276	(30.2)	(58.7)	247	645	1,282	(27.7)	(59.0)
Declined to discuss risk	22	17	19	(56.4)	(32.8)	20	17	21	(54.1)	(36.2)
Missing/invalid	828	173	904	(82.7)	(47.5)	347	173	1,385	(66.7)	(72.7)
Rapid test used in testing event										
Yes	3,325	932	1,624	(78.1)	(27.6)	2,192	1,132	2,557	(65.9)	(43.5)
No	2,527	1,134	2,510	(69.0)	(40.7)	1,386	1,245	3,540	(52.7)	(57.4)
Total	5,852	2,066	4,134	(73.9)	(34.3)	3,578	2,377	6,097	(60.1)	(50.6)

Notes: See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 29: Partner and HIV prevention services referrals, among newly identified confirmed HIV-positive individuals tested in non-health care testing sites, 54 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Referred to partner services					Referred to HIV prevention services				
	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)										
<13	3	2	1	(60.0)	(16.7)	3	2	1	(60.0)	(16.7)
13-19	116	22	34	(84.1)	(19.8)	75	27	70	(73.5)	(40.7)
20-29	1,425	292	391	(83.0)	(18.5)	950	420	738	(69.3)	(35.0)
30-39	959	210	222	(82.0)	(16.0)	670	265	456	(71.7)	(32.8)
40-49	691	204	233	(77.2)	(20.7)	487	227	414	(68.2)	(36.7)
50+	477	124	178	(79.4)	(22.8)	317	143	319	(68.9)	(40.9)
Missing/invalid	29	14	3	(67.4)	(6.5)	18	19	9	(48.6)	(19.6)
Gender										
Male	3,101	696	847	(81.7)	(18.2)	2,126	937	1,581	(69.4)	(34.0)
Female	531	155	189	(77.4)	(21.6)	336	149	390	(69.3)	(44.6)
Transgender	59	17	23	(77.6)	(23.2)	53	17	29	(75.7)	(29.3)
Missing/invalid	9	0	3	(100.0)	(25.0)	5	0	7	(100.0)	(58.3)
Race/Ethnicity										
White	967	218	211	(81.6)	(15.1)	666	319	411	(67.6)	(29.4)
Black or African American	1,566	326	591	(82.8)	(23.8)	1,000	380	1,103	(72.5)	(44.4)
Hispanic or Latino	970	277	178	(77.8)	(12.5)	703	358	364	(66.3)	(25.5)
Asian	75	15	13	(83.3)	(12.6)	68	15	20	(81.9)	(19.4)
American Indian or Alaska Native	8	7	4	(53.3)	(21.1)	9	4	6	(69.2)	(31.6)
Native Hawaiian or Pacific Islander	10	2	3	(83.3)	(20.0)	9	2	4	(81.8)	(26.7)
Multi-race	42	7	17	(85.7)	(25.8)	34	9	23	(79.1)	(34.8)
Declined	17	5	39	(77.3)	(63.9)	6	4	51	(60.0)	(83.6)
Don't know	38	11	5	(77.6)	(9.3)	25	12	17	(67.6)	(31.5)
Missing/invalid	7	0	1	(100.0)	(12.5)	0	0	8	(0)	(100.0)
U.S. geographic region (Puerto Rico excluded)										
Northeast	549	351	238	(61.0)	(20.9)	527	374	237	(58.5)	(20.8)
Midwest	256	59	136	(81.3)	(30.2)	261	79	111	(76.8)	(24.6)
South	1,917	295	512	(86.7)	(18.8)	924	371	1,429	(71.4)	(52.5)
West	884	137	175	(86.6)	(14.6)	700	267	229	(72.4)	(19.1)
Risk category										
Male-to-male sexual contact and injection drug use	84	16	17	(84.0)	(14.5)	67	24	26	(73.6)	(22.2)
Male-to-male sexual contact	2,203	314	503	(87.5)	(16.7)	1,502	553	965	(73.1)	(32.0)
Injection drug use	99	35	32	(73.9)	(19.3)	107	26	33	(80.5)	(19.9)
High-risk heterosexual contact	744	174	198	(81.0)	(17.7)	479	172	465	(73.6)	(41.7)
Low-risk heterosexual contact	152	59	161	(72.0)	(43.3)	62	66	244	(48.4)	(65.6)
Other	6	4	4	(60.0)	(28.6)	8	1	5	(88.9)	(35.7)
No acknowledged risk	60	157	36	(27.6)	(14.2)	55	155	43	(26.2)	(17.0)
Not asked about risk	71	40	15	(64.0)	(11.9)	62	41	23	(60.2)	(18.3)
Declined to discuss risk	10	7	1	(58.8)	(5.6)	8	5	5	(61.5)	(27.8)
Missing/invalid	271	62	95	(81.4)	(22.2)	170	60	198	(73.9)	(46.3)
Rapid test used in testing event										
Yes	3,007	731	789	(80.4)	(17.4)	2,138	922	1,467	(69.9)	(32.4)
No	693	137	273	(83.5)	(24.8)	382	181	540	(67.9)	(49.0)
Total	3,700	868	1,062	(81.0)	(18.9)	2,520	1,103	2,007	(69.6)	(35.6)

Notes: 54 health department jurisdictions are included because Alabama did not submit any testing events conducted in non-health care settings. See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 30: Partner and HIV prevention services referrals, among newly identified confirmed HIV-positive men who have sex with men, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Referred to partner services					Referred to HIV prevention services				
	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)										
<13	4	0	1	(100.0)	(20.0)	3	1	1	(75.0)	(20.0)
13-19	202	28	54	(87.8)	(19.0)	123	38	123	(76.4)	(43.3)
20-29	2,543	367	721	(87.4)	(19.9)	1,647	593	1,391	(73.5)	(38.3)
30-39	1,179	189	271	(86.2)	(16.5)	810	329	500	(71.1)	(30.5)
40-49	653	120	208	(84.5)	(21.2)	436	187	358	(70.0)	(36.5)
50+	274	58	81	(82.5)	(19.6)	197	88	128	(69.1)	(31.0)
Missing/invalid	4	1	7	(80.0)	(58.3)	1	1	10	(50.0)	(83.3)
Race/Ethnicity										
White	1,394	223	375	(86.2)	(18.8)	950	420	622	(69.3)	(31.2)
Black or African American	1,989	309	719	(86.6)	(23.8)	1,338	401	1,278	(76.9)	(42.4)
Hispanic or Latino	1,164	196	176	(85.6)	(11.5)	765	365	406	(67.7)	(26.4)
Asian	86	15	15	(85.1)	(12.9)	71	21	24	(77.2)	(20.7)
American Indian or Alaska Native	16	2	3	(88.9)	(14.3)	9	4	8	(69.2)	(38.1)
Native Hawaiian or Pacific Islander	15	2	4	(88.2)	(19.0)	11	4	6	(73.3)	(28.6)
Multi-race	53	9	13	(85.5)	(17.3)	42	13	20	(76.4)	(26.7)
Declined	17	2	27	(89.5)	(58.7)	5	2	39	(71.4)	(84.8)
Don't know	39	5	11	(88.6)	(20.0)	26	7	22	(78.8)	(40.0)
Missing/invalid	86	0	0	(100.0)	(0)	0	0	86	(0)	(100.0)
U.S. geographic region (Puerto Rico excluded)										
Northeast	581	351	231	(62.3)	(19.9)	544	431	188	(55.8)	(16.2)
Midwest	416	75	213	(84.7)	(30.3)	408	95	201	(81.1)	(28.6)
South	2,669	188	710	(93.4)	(19.9)	1,385	271	1,911	(83.6)	(53.6)
West	1,068	135	189	(88.8)	(13.6)	754	427	211	(63.8)	(15.2)
Testing site type										
Health care and correctional facilities	2,279	415	805	(84.6)	(23.0)	1,517	629	1,353	(70.7)	(38.7)
Non-health care facilities	2,287	330	520	(87.4)	(16.6)	1,569	577	991	(73.1)	(31.6)
Other facilities	265	10	16	(96.4)	(5.5)	117	21	153	(84.8)	(52.6)
Missing/invalid	28	8	2	(77.8)	(5.3)	14	10	14	(58.3)	(36.8)
Rapid test used in testing event										
Yes	3,534	583	779	(85.8)	(15.9)	2,516	914	1,466	(73.4)	(29.9)
No	1,325	180	564	(88.0)	(27.3)	701	323	1,045	(68.5)	(50.5)
Total	4,859	763	1,343	(86.4)	(19.3)	3,217	1,237	2,511	(72.2)	(36.1)

Notes: See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 31: Partner and HIV prevention services referrals, among newly identified confirmed HIV-positive high-risk heterosexual males, 55 health department jurisdiction submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Referred to partner services					Referred to HIV prevention services				
	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid)
Age at test (years)										
<13	1	1	1	(50.0)	(33.3)	2	0	1	(100.0)	(33.3)
13-19	34	2	12	(94.4)	(25.0)	19	1	28	(95.0)	(58.3)
20-29	324	64	144	(83.5)	(27.1)	203	66	263	(75.5)	(49.4)
30-39	313	64	90	(83.0)	(19.3)	191	65	211	(74.6)	(45.2)
40-49	315	91	94	(77.6)	(18.8)	217	83	200	(72.3)	(40.0)
50+	259	56	62	(82.2)	(16.4)	155	69	153	(69.2)	(40.6)
Missing/invalid	23	3	4	(88.5)	(13.3)	6	18	6	(25.0)	(20.0)
Race/Ethnicity										
White	113	27	66	(80.7)	(32.0)	83	27	96	(75.5)	(46.6)
Black or African American	859	165	278	(83.9)	(21.4)	479	184	639	(72.2)	(49.1)
Hispanic or Latino	253	78	44	(76.4)	(11.7)	200	83	92	(70.7)	(24.5)
Asian	7	5	2	(58.3)	(14.3)	9	2	3	(81.8)	(21.4)
American Indian or Alaska Native	4	1	0	(80.0)	(0)	3	1	1	(75.0)	(20.0)
Native Hawaiian or Pacific Islander	4	0	1	(100.0)	(20.0)	3	1	1	(75.0)	(20.0)
Multi-race	7	2	4	(77.8)	(30.8)	8	1	4	(88.9)	(30.8)
Declined	7	1	7	(87.5)	(46.7)	3	1	11	(75.0)	(73.3)
Don't know	6	2	5	(75.0)	(38.5)	5	2	6	(71.4)	(46.2)
Missing/invalid	9	0	0	(100.0)	(0)	0	0	9	(0)	(100.0)
U.S. geographic region (Puerto Rico excluded)										
Northeast	243	129	123	(65.3)	(24.8)	244	139	112	(63.7)	(22.6)
Midwest	70	12	46	(85.4)	(35.9)	65	13	50	(83.3)	(39.1)
South	817	93	214	(89.8)	(19.0)	353	91	680	(79.5)	(60.5)
West	79	20	24	(79.8)	(19.5)	61	42	20	(59.2)	(16.3)
Testing site type										
Health care and correctional facilities	834	175	297	(82.7)	(22.7)	510	204	592	(71.4)	(45.3)
Non-health care facilities	388	97	95	(80.0)	(16.4)	262	94	224	(73.6)	(38.6)
Other facilities	41	4	9	(91.1)	(16.7)	15	3	36	(83.3)	(66.7)
Missing/invalid	6	5	6	(54.5)	(35.3)	6	1	10	(85.7)	(58.8)
Rapid test used in testing event										
Yes	816	186	202	(81.4)	(16.8)	537	200	467	(72.9)	(38.8)
No	453	95	205	(82.7)	(27.2)	256	102	395	(71.5)	(52.5)
Total	1,269	281	407	(81.9)	(20.8)	793	302	862	(72.4)	(44.0)

Notes: See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table 32: Partner and HIV prevention services referrals, among newly identified confirmed HIV-positive high-risk heterosexual females, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Characteristic	Referred to partner services					Referred to HIV prevention services				
	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)	Referred	Not referred	Missing/invalid	(Indicator %)	(Missing/invalid %)
Age at test (years)										
<13	4	1	0	(80.0)	(0)	1	1	3	(50.0)	(60.0)
13-19	59	9	9	(86.8)	(11.7)	27	5	45	(84.4)	(58.4)
20-29	362	66	138	(84.6)	(24.4)	190	59	317	(76.3)	(56.0)
30-39	322	58	94	(84.7)	(19.8)	169	69	236	(71.0)	(49.8)
40-49	283	57	91	(83.2)	(21.1)	176	66	189	(72.7)	(43.9)
50+	181	45	47	(80.1)	(17.2)	117	51	105	(69.6)	(38.5)
Missing/invalid	4	0	3	(100.0)	(42.9)	1	0	6	(100.0)	(85.7)
Race/Ethnicity										
White	199	24	58	(89.2)	(20.6)	99	30	152	(76.7)	(54.1)
Black or African American	783	154	274	(83.6)	(22.6)	410	166	635	(71.2)	(52.4)
Hispanic or Latino	194	52	34	(78.9)	(12.1)	155	51	74	(75.2)	(26.4)
Asian	4	2	2	(66.7)	(25.0)	6	0	2	(100.0)	(25.0)
American Indian or Alaska Native	1	0	1	(100.0)	(50.0)	0	0	2	(0)	(100.0)
Native Hawaiian or Pacific Islander	2	1	0	(66.7)	(0)	2	1	0	(66.7)	(0)
Multi-race	5	2	3	(71.4)	(30.0)	4	1	5	(80.0)	(50.0)
Declined	7	0	8	(100.0)	(53.3)	3	0	12	(100.0)	(80.0)
Don't know	7	1	2	(87.5)	(20.0)	1	2	7	(33.3)	(70.0)
Missing/invalid	13	0	0	(100.0)	(0)	1	0	12	(100.0)	(92.3)
U.S. geographic region (Puerto Rico excluded)										
Northeast	173	120	103	(59.0)	(26.0)	171	134	91	(56.1)	(23.0)
Midwest	59	11	37	(84.3)	(34.6)	51	15	41	(77.3)	(38.3)
South	869	74	228	(92.2)	(19.5)	346	69	756	(83.4)	(64.6)
West	49	12	14	(80.3)	(18.7)	41	21	13	(66.1)	(17.3)
Testing site type										
Health care and correctional facilities	823	154	267	(84.2)	(21.5)	450	169	625	(72.7)	(50.2)
Non-health care facilities	356	77	103	(82.2)	(19.2)	217	78	241	(73.6)	(45.0)
Other facilities	32	2	8	(94.1)	(19.0)	11	1	30	(91.7)	(71.4)
Missing/invalid	4	3	4	(57.1)	(36.4)	3	3	5	(50.0)	(45.5)
Rapid test used in testing event										
Yes	687	159	196	(81.2)	(18.8)	421	174	447	(70.8)	(42.9)
No	528	77	186	(87.3)	(23.5)	260	77	454	(77.2)	(57.4)
Total	1,215	236	382	(83.7)	(20.8)	681	251	901	(73.1)	(49.2)

Notes: See Technical Notes for definition of newly identified confirmed HIV-positive testing event. Indicator percentages exclude 'Missing/invalid' from denominators. 'Missing/invalid' percentages include all data in denominators.

Table Section 4

Risk groups among newly identified confirmed HIV-positive individuals

Table 33: Number and percentage of newly identified confirmed HIV-positive individuals by risk category, 55 health departments submitting test-level data in the United States and Puerto Rico, 2011

Risk category	Newly identified confirmed HIV-positive individuals	(Column %)
Male-to-male sexual contact and injection drug use	218	(1.2)
Male-to-male sexual contact	6,747	(36.6)
Injection drug use	340	(1.8)
High-risk heterosexual contact	3,790	(20.5)
Low-risk heterosexual contact	1,586	(8.6)
Other	53	(0.3)
No acknowledged risk	867	(4.7)
Not asked about risk	2,354	(12.8)
Declined to discuss risk	77	(0.4)
Missing/invalid	2,414	(13.1)
Total	18,446	(100.0)

Notes:
See Technical Notes for definition of newly identified confirmed HIV-positive testing event and risk groups

Table 34: Number and percentage of newly identified confirmed HIV-positive individuals by risk category by male and female gender, 55 health department jurisdictions submitting test-level data in the United States and Puerto Rico, 2011

Risk category	Males		Females	
	Newly identified confirmed HIV-positive males	(Column %)	Newly identified confirmed HIV-positive females	(Column %)
Male-to-male sexual contact and injection drug use	218	(1.5)	...	...
Male-to-male sexual contact	6,747	(47.0)	...	...
Injection drug use	195	(1.4)	127	(3.3)
High-risk heterosexual contact	1,957	(13.6)	1,833	(47.4)
Low-risk heterosexual contact	969	(6.8)	617	(15.9)
Other	0	(0)	53	(1.4)
No acknowledged risk	681	(4.7)	179	(4.6)
Not asked about risk	1,821	(12.7)	524	(13.5)
Declined to discuss risk	54	(0.4)	23	(0.6)
Missing/invalid	1,702	(11.9)	513	(13.3)
Total	14,344	(100.0)	3,869	(100.0)

Notes: Ellipses (...) indicate not applicable.
See Technical Notes for definition of newly identified confirmed HIV-positive testing event and risk groups.