

OPA Integration of HIV/AIDS Prevention Project Period 2 Summary Data Report

During the 3rd funding cycle of the OPA HIV Integration Project, 80 projects¹ across 10 participating regions received supplemental funds to support integration of HIV prevention services. The following outcomes were reported for the 6-month data collection period of July 1, 2008 through December 31, 2008.

- **Number of Tests = 109,611**
 - Number of Confidential Tests = 108,652 (99%)
 - Number of Anonymous Tests = 959 (1%)

 - Number of Standard Tests = 45,928 (42%)
 - Number of Rapid Tests = 63,683 (58%)

- **Number of Tests (with Test Results) = 109,611**
 - Number of Positive Tests (positive standard tests and preliminary positive rapid tests) = 241

 - Number of Negative Tests = 109,164

 - Number of Indeterminate/Invalid Tests = 206

- **Number of Confirmed Positive Tests (positive standard tests and rapid tests with a positive confirmation) = 146**
 - Positivity Rate = 0.13%

- **Number of Clients Returning for Test Results = 85,874**
 - Rate of Return for Results = 78%
 - Rate of Return for Standard Test Results = 50%
 - Rate of Return for Rapid Test Results = 99%

- **Number of Positive Clients Referred for Services = 140**
 - Referral Rate for Positive Clients = 96%

¹ 3 Projects were newly funded during this reporting period.

Location of Projects

The geographic distribution of the 80 funded projects is displayed by region and state below. The greatest concentration of projects is in Regions III and IX (Figure 1), with the highest numbers of projects in New York, Pennsylvania, Texas, and Arizona (Table 1).

Figure 1: Number of Projects by Region

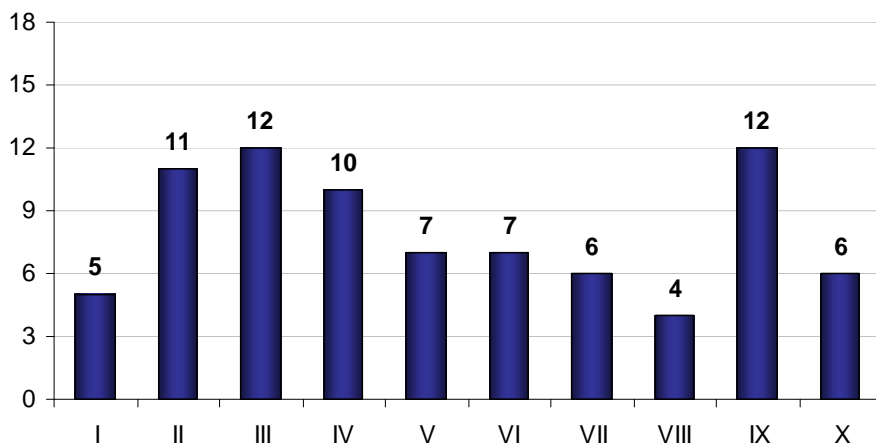


Table 1: Number of Projects by State²

Region I	
CT	1
MA	3
RI	1
Region II	
NJ	2
NY	6
PR	2
VI	1
Region III	
DC	2
MD	2
PA	7
VA	1

Region IV	
AL	2
FL	3
NC	1
SC	4
Region V	
IL	1
IN	2
MN	1
OH	2
WI	1
Region VI	
TX	7

Region VII	
IA	2
KS	1
MO	2
NE	1
Region VIII	
MT	1
SD	1
UT	1
WY	1
Region IX	
AZ	7
CA	4
NMI	1
Region X	
AK	1
WA	5

² Figure 2 was not included in this report, as the number of individual HIV prevention counseling sessions is no longer a reporting requirement.

Outcome Data

Levels of HIV Testing

Across the 10 regions, a total of 109,611 HIV tests were reported during Period 2 (Table 2). In terms of absolute numbers, the highest level of testing was seen in Regions II and VI, and the lowest level of testing was observed in Region X.

Confidential HIV testing was the predominant test mode, accounting for 99.1% of tests. Anonymous testing represented the other 0.9%. Based on absolute numbers, Region IX performed the greatest level of anonymous testing, and anonymous tests were not offered in several regions (Regions II, III, IV, V, VI, VII, and VIII).

Table 2: Total Number of HIV Tests by Region and Test Mode

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Confidential Tests	7,310	28,135	9,852	10,564	7,970	21,224	8,559	4,153	7,990	2,895	108,652
# of Anonymous Tests	77	0	0	0	0	0	0	0	865	17	959
Total # of Tests	7,387	28,135	9,852	10,564	7,970	21,224	8,559	4,153	8,855	2,912	109,611

Overall, rapid HIV testing was performed to a greater extent than standard HIV testing, with 58% of total HIV tests being rapid tests (Table 3). Rapid tests accounted for over three-fourths of HIV tests performed in Regions II, V, IX, and X. Based on absolute numbers, the greatest level of rapid testing occurred in Region II. Standard tests still accounted for the majority (over 60%) of testing in Regions III, IV, and VII.

Table 3: Total Number of HIV Tests by Region and Test Type

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Standard Tests	3,674	5,958	6,522	8,078	595	12,243	5,633	2,382	538	305	45,928
# of Rapid Tests	3,713	22,177	3,330	2,486	7,375	8,981	2,926	1,771	8,317	2,607	63,683
Total # of Tests	7,387	28,135	9,852	10,564	7,970	21,224	8,559	4,153	8,855	2,912	109,611

The distribution of HIV testing by state is shown below (Figure 3). Based on absolute numbers, the highest level of HIV testing was conducted in two states – Texas and New York.

Figure 3: Distribution of Tests by State

State	# of Tests	State	# of Tests	State	# of Tests	State	# of Tests
AK	1,370	IN	2,285	NJ	7,199	TX	21,224
AL	3,245	KS	1,771	NMI	37	UT	1,926
AZ	2,386	MA	2,300	NY	16,471	VA	939
CA	6,432	MD	4,256	OH	1,974	VI	81
CT	3,704	MN, ND, SD	513	PA	3,201	WA	1,542
DC	1,456	MO	2,731	PR	4,384	WI	2,603
FL	3,650	MT	1,156	RI	1,383	WY	426
IA	2,642	NC	938	SC	2,731		
IL	595	NE	1,415	SD	645		

10,000+
5,000 - 9,999
1,000 - 4,999
0 - 999

Positivity Rates

Test results (positive³, negative, or indeterminate/invalid) were reported for 109,611 tests (Table 4).

Table 4: Tests Results by Region

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Positive Tests	21	60	36	21	30	47	6	1	11	8	241
# of Negative Tests	7,365	28,075	9,816	10,543	7,940	21,174	8,551	4,149	8,844	2,707	109,164
# of Indeterminate/ Invalid Tests	1	0	0	0	0	3	2	3	0	197	206
Total # of HIV Tests (by Test Result)	7,387	28,135	9,852	10,564	7,970	21,224	8,559	4,153	8,855	2,912	109,611

Among these tests, a total of 146 confirmed positive^{4,5} test results were reported, producing an overall positivity rate of 0.13% (Table 5). The highest positivity rate was reported in Region III (0.33%). This may reflect a relatively greater burden of disease in these regions or more targeted testing of populations with a higher prevalence of infection. The lowest positivity rates were seen in Regions V (0.01%) and VIII (0.02%).

Table 5: Positivity Rates by Region

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Confirmed Positive Tests	18	45	33	20	1	11	6	1	8	3	146
Total # of HIV Tests (by Test Result)	7,387	28,135	9,852	10,564	7,970	21,224	8,559	4,153	8,855	2,912	109,611
% Positive	0.24%	0.16%	0.33%	0.19%	0.01%	0.05%	0.07%	0.02%	0.09%	0.10%	0.13%

When the above data was split by test mode (Table 6), the overall percentage of positive tests observed for confidential tests (0.13%) was higher than for anonymous tests (0.00%). This trend was seen across all regions.

Table 6: Tests Results by Region and Test Mode

Confidential

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Confirmed Positive Tests	18	45	33	20	1	11	6	1	8	3	146
Total # of HIV Tests (by Test Result)	7,310	28,135	9,852	10,564	7,970	21,224	8,559	4,153	7,990	2,895	108,652
% Positive	0.25%	0.16%	0.33%	0.19%	0.01%	0.05%	0.07%	0.02%	0.10%	0.10%	0.13%

Anonymous

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Confirmed Positive Tests	0	0	0	0	0	0	0	0	0	0	0
Total # of HIV Tests (by Test Result)	77	0	0	0	0	0	0	0	865	17	959
% Positive	0.00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%

³ Positive tests include standard tests with positive results and rapid tests with preliminary positive results.

⁴ Confirmed positive tests include standard tests with positive results and positive confirmatory tests for rapid tests with preliminary positive results.

⁵ The overall false positivity rate was 0.15%, which is less than the 2 per 1000 (0.2%) expected with a rapid test specificity of 99.8%. It should be noted that 9 Projects reported false positivity rates of higher than 2 per 1000.

When split by test type (Table 7), the overall percentage of positive tests observed for rapid tests (0.15%) was slightly higher than for standard tests (0.11%). This trend varied across regions.

Table 7: Tests Results by Region and Test Type

Standard

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Confirmed Positive Tests	4	1	27	11	0	3	3	0	1	1	51
Total # of HIV Tests (by Test Result)	3,674	5,958	6,522	8,078	595	12,243	5,633	2,382	538	305	45,928
% Positive	0.11%	0.02%	0.41%	0.14%	0.00%	0.02%	0.05%	0.00%	0.19%	0.33%	0.11%

Rapid

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Confirmed Positive Tests	14	44	6	9	1	8	3	1	7	2	95
Total # of HIV Tests (by Test Result)	3,713	22,177	3,330	2,486	7,375	8,981	2,926	1,771	8,317	2,607	63,683
% Positive	0.38%	0.20%	0.18%	0.36%	0.01%	0.09%	0.10%	0.06%	0.08%	0.08%	0.15%

Receiving HIV Test Results

Of the 109,611 clients who were tested (by test result), a total of 85,874 clients (78.3%) received their test results (Figure 4). The return rate was higher among clients who received anonymous testing (relative to confidential testing); although this is likely because the vast majority of anonymous tests were rapid (Figure 5).

Figure 4: Number of Clients Returning for HIV Test Results by Test Mode

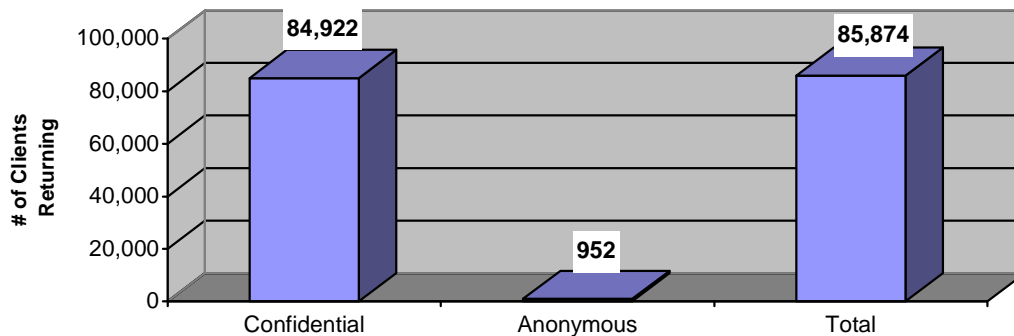
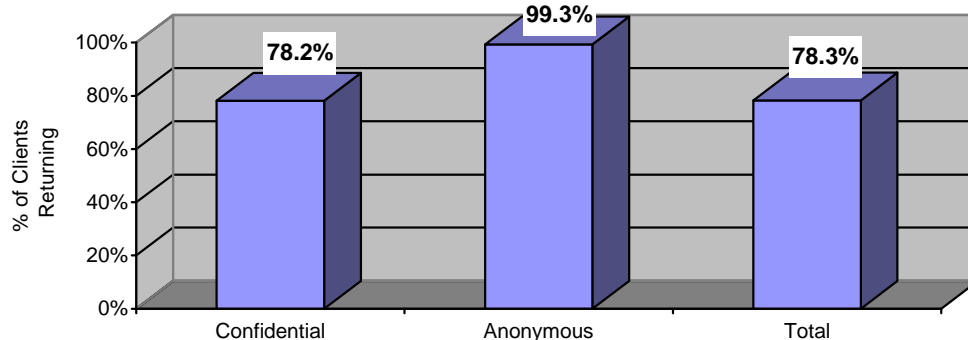


Figure 5: Percentage of Clients Returning for HIV Test Results by Test Mode



The return rate for results (preliminary positive, negative, or invalid) was much higher among clients receiving rapid tests (98.9%) compared to standard tests (49.9%) (Figures 5a and 5b).

Figure 5a: Number of Clients Returning for HIV Test Results by Test Type

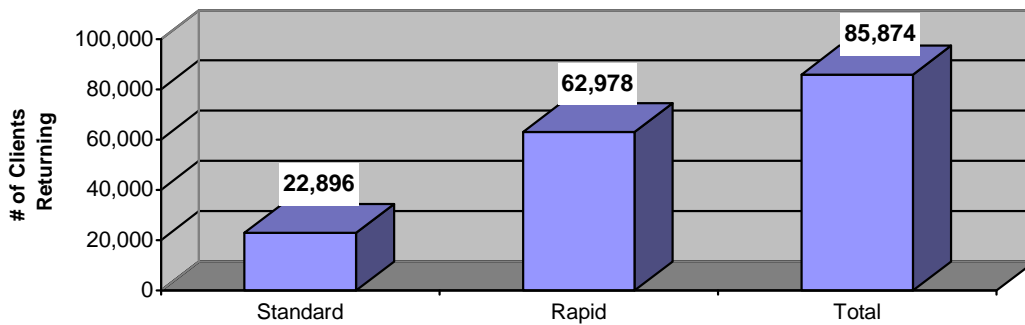
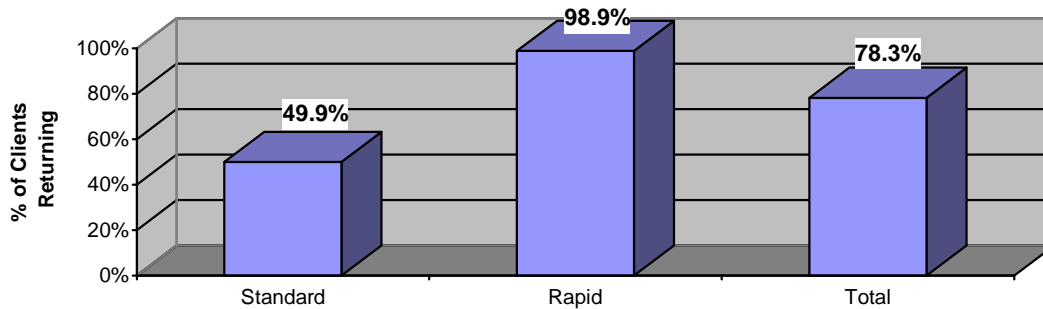


Figure 5b: Percentage of Clients Returning for HIV Test Results by Test Type



Positive Clients Referred for Care

Of the 146 clients who tested positive for HIV, 140 clients (95.9%) were referred for services (Figures 6 and 7). All confirmed positives were identified through confidential testing.

Figure 6: Number of Positive Clients Referred for Services by Test Mode

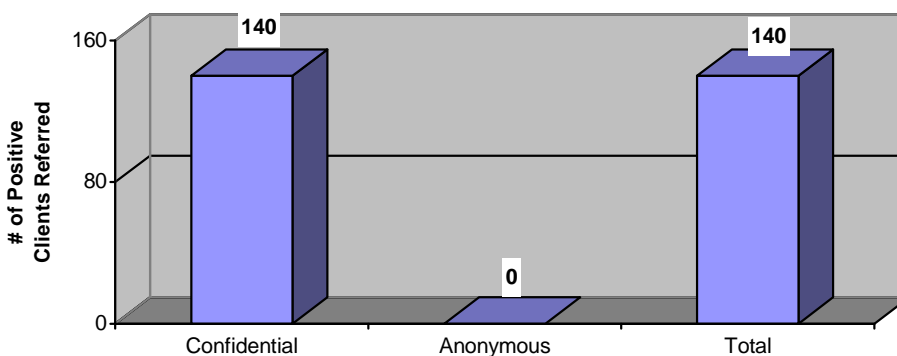
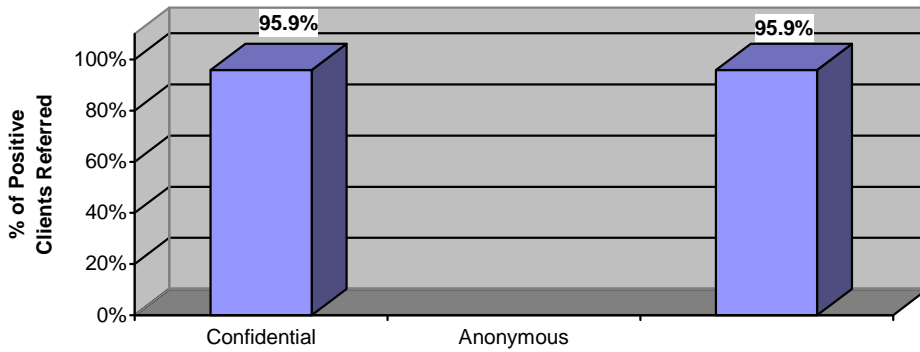


Figure 7: Percentage of Positive Clients Referred for Services by Test Mode



Nearly all positive clients who were identified through standard testing (98.0%) and rapid testing (94.7%) were referred to care (Figures 8 and 9).

Figure 8: Number of Positive Clients Referred for Services by Test Type

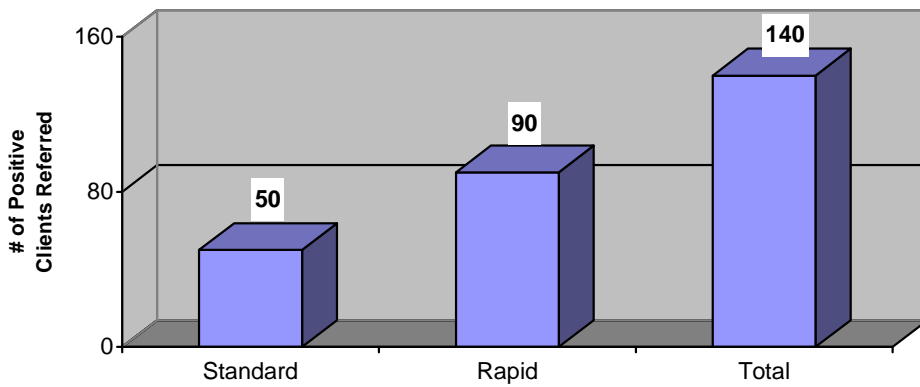
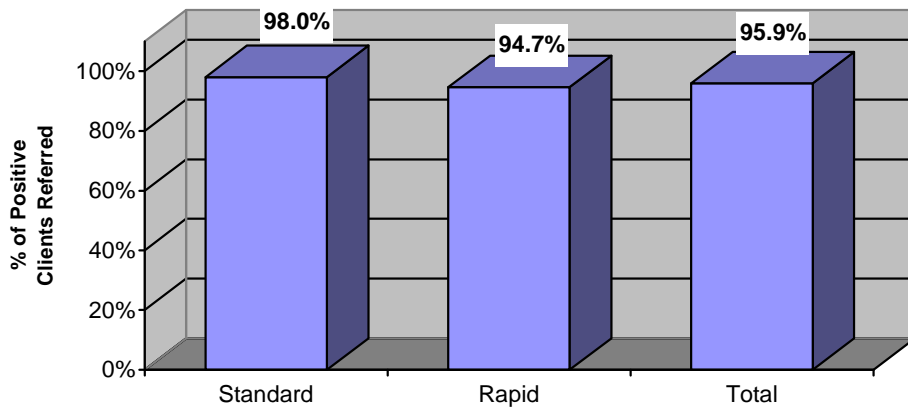


Figure 9: Percentage of Positive Clients Referred for Services by Test Type



Race/Ethnicity Data

A total of 107,482 tests were reported by race and ethnicity (Table 8). This data set represents a 1.9% reduction from the total reported number of HIV tests (109,611 tests with results)⁶. Similar to the overall data, the greatest level of testing was seen in Regions II and VI, and the greatest disease burden (as measured by positivity rate) was found in Region III.

Table 8: HIV Testing and Positivity Levels by Region Based on Race/Ethnicity Data

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Confirmed Positive Tests	18	45	31	20	1	11	6	1	8	3	144
Total # of HIV Tests	7,161	27,261	9,511	10,527	7,883	21,087	8,428	4,113	8,673	2,838	107,482
% Positive	0.25%	0.17%	0.33%	0.19%	0.01%	0.05%	0.07%	0.02%	0.09%	0.11%	0.13%

From the race/ethnicity tables, HIV testing and positivity levels were examined by gender, age group, and racial/ethnic group.

HIV Testing and Positivity Levels by Gender

Of the 107,482 clients tested, approximately 85% were females and 15% were males (Table 9). The ratio of females to males in the tested population was over 5:1. The positivity rate among males was 4.5 times higher than among females.

Table 9: Reported HIV Testing and Positivity Levels by Gender

	Females	Males
# of Confirmed Positive Tests	80	64
Total # of HIV Tests	91,240	16,242
% Positive	0.09%	0.39%

Females represented more than 80% of tested clients in Regions II, III, IV, V, VI, and VII (Table 10). The proportion of males tested ranged from 6% in Region IV to 36% in Region X. The highest positivity rate among females and males was found in Region III.

Table 10: Reported HIV Testing and Positivity Levels by Gender and Region

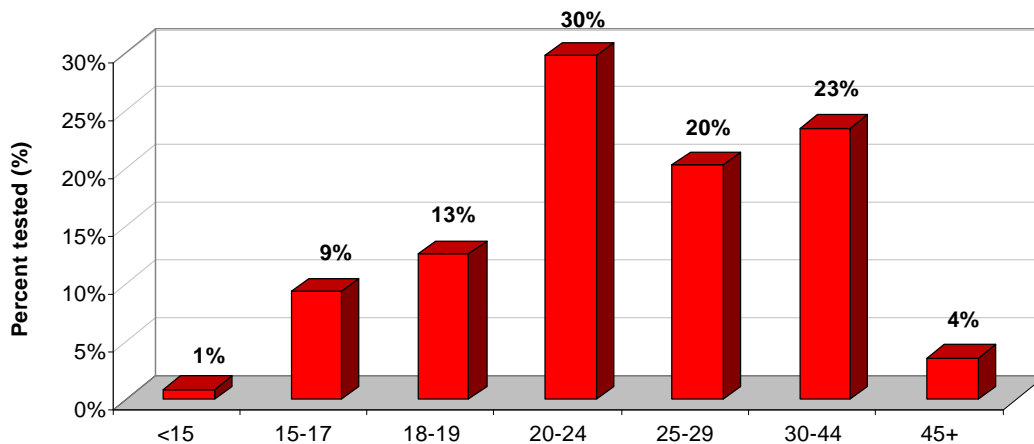
Region	I	II	III	IV	V	VI	VII	VIII	IX	X
Females										
# of Confirmed Positive Tests	11	22	21	13	1	2	5	0	3	2
Total # of HIV Tests	5,369	22,337	8,013	9,929	6,941	19,410	7,761	2,864	6,786	1,830
% Positive	0.20%	0.10%	0.26%	0.13%	0.01%	0.01%	0.06%	0.00%	0.04%	0.11%
Males										
# of Confirmed Positive Tests	7	23	10	7	0	9	1	1	5	1
Total # of HIV Tests	1,792	4,924	1,498	598	942	1,677	667	1,249	1,887	1,008
% Positive	0.39%	0.47%	0.67%	1.17%	0.00%	0.54%	0.15%	0.08%	0.26%	0.10%

⁶ Test results for duplicated confidential clients were excluded. One project in Region III was only able to report rapid HIV test results by race/ethnicity (Two positives identified by this Project through standard HIV testing are not reported in the race/ethnicity data set).

HIV Testing and Positivity Levels by Age Group

The age categories that were provided for data reporting included: <15, 15-17, 18-19, 20-24, 25-29, 30-44, and 45+ years of age. Approximately 53% of clients tested were under the age of 25, with the greatest level of testing among those between ages 20-24 (Figure 10).

Figure 10: Percentage of Clients Tested for HIV by Standard Age Group



While HIV testing was largely performed among clients under the age of 30, the highest positivity rate was observed in the oldest age group (ages 45 and over) (Table 11).

Table 11: Reported HIV Testing and Positivity Levels by Standard Age Group

Age Group	<15	15-17	18-19	20-24	25-29	30-44	45+	Unknown
# of Confirmed Positive Tests	0	5	17	36	32	36	18	0
Total # of HIV Tests	948	10,057	13,549	31,991	21,773	25,176	3,817	171
% Positive	0.00%	0.05%	0.13%	0.11%	0.15%	0.14%	0.47%	0.00%

When HIV testing was segmented by age and gender (Table 11a), higher positivity rates were observed among males compared to females for nearly all age groups (except <15 years of age). Male adults ages 45 and over reported the highest positivity rate.

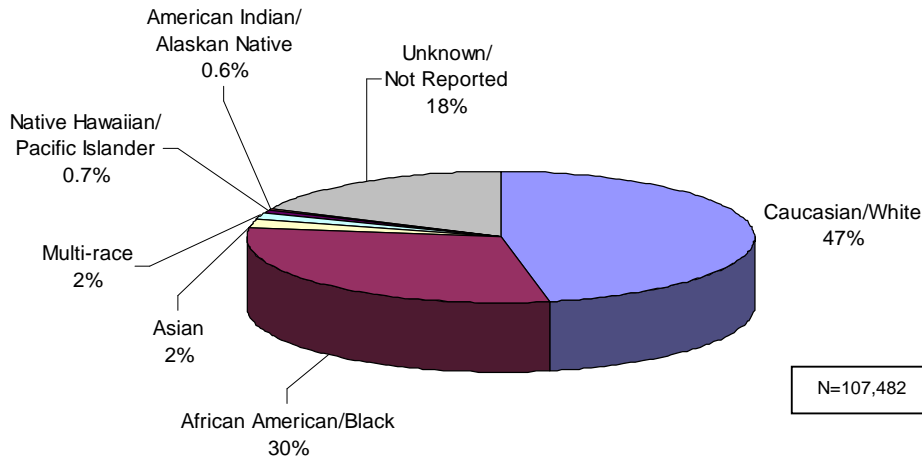
Table 11a: Reported HIV Testing by Age Group and Gender

Age Group	<15	15-17	18-19	20-24	25-29	30-44	45+	Unknown
Females								
# of Confirmed Positive Tests	0	4	6	15	21	23	11	0
Total # of HIV Tests	870	8,606	11,270	26,885	18,667	22,045	2,771	126
% Positive	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.4%	0.0%
Males								
# of Confirmed Positive Tests	0	1	11	21	11	13	7	0
Total # of HIV Tests	78	1,451	2,279	5,106	3,106	3,131	1,046	45
% Positive	0.0%	0.1%	0.5%	0.4%	0.4%	0.4%	0.7%	0.0%

HIV Testing and Positivity Levels by Racial/Ethnic Group

Caucasians/Whites (47.0%) and African Americans/Blacks (30.3%) represented the largest testing populations by race (Figure 11). Those for whom race was “unknown/not reported” comprised an additional 17.7%. The remaining clients tested included Asians (2.1%), American Indians/Alaskan Natives (0.6%), and Native Hawaiians/Other Pacific Islanders (0.7%), as well as those identifying with more than one race (1.7%).

Figure 11: Percentage of Clients Tested for HIV by Race



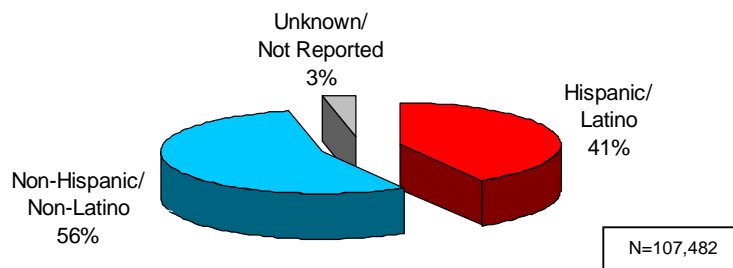
Of all racial groups, the highest positivity rate was observed among African Americans/Blacks (Table 12). This could reflect targeted testing or higher disease burden among this subgroup.

Table 12: Reported HIV Testing and Positivity Levels by Race

Race	Caucasian/White	African American/Black	Asian	Multi-race	American Indian/Alaskan Native	Native Hawaiian/Pacific Islander	Unknown/Not Reported	TOTAL
# of Confirmed Positive Tests	36	86	0	1	0	0	21	144
Total # of HIV Tests	50,527	32,562	2,217	1,806	657	725	18,988	107,482
% Positive	0.07%	0.26%	0.00%	0.06%	0.00%	0.00%	0.11%	0.13%

41.3% of tested clients identified with Hispanic/Latino ethnicity. Non-Hispanic/non-Latino clients represented an additional 55.3% (Figure 12).

Figure 12: Percentage of Clients Tested for HIV by Ethnicity



Without taking into consideration race, the positivity rate (0.08%) among Hispanics/Latinos was relatively lower than that of clients identifying as non-Hispanic/non-Latino (0.17%) (Table 13).

Table 13: Reported Positivity Rates by Ethnicity

Ethnicity	Hispanic/Latino	Non-Hispanic/Non-Latino	Unknown/Not Reported
# of Confirmed Positive Tests	37	101	6
Total # of HIV Tests	44,419	59,395	3,668
% Positive	0.08%	0.17%	0.16%

The distribution of clients tested by both race and ethnicity is shown below (Table 13a). At least 73% of clients tested were racial and/or ethnic minorities⁷. The largest testing populations were comprised of non-Hispanic/non-Latino African Americans/Blacks (27.8%), followed by non-Hispanic/non-Latino Caucasians/Whites (23.5%) and Hispanic/Latino Caucasians/Whites (22.8%).

Table 13a: Clients Tested for HIV by Race/Ethnicity

		Race						
		Caucasian/White	African American/Black	Asian	American Indian/Alaskan Native	Native Hawaiian/Pacific Islander	More than One Race	Unknown/Not Reported
Ethnicity	Hispanic or Latino	24,547	1,467	106	140	396	1,018	16,745
		22.8%	1.4%	0.1%	0.1%	0.4%	0.9%	15.6%
	Not Hispanic or Not Latino	25,310	29,913	1,111	495	320	714	1,532
		23.5%	27.8%	1.0%	0.5%	0.3%	0.7%	1.4%
	Unknown/Not Reported	670	1,182	1,000	22	9	74	711
		0.6%	1.1%	0.9%	0.0%	0.0%	0.1%	0.7%

Positivity rates by race and ethnicity are displayed below (Table 13b). Among those with race and ethnicity identified, the testing population with the highest positivity rate was Hispanic/Latino African Americans/Blacks (0.41%), followed by non-Hispanic/non-Latino African Americans/Blacks (0.26%). The greatest number of positive tests was detected among non-Hispanic Blacks (n=79), who accounted for 55% of all positive tests, but represented only 28% of all clients tested.

⁷ Known racial and/or ethnic minorities included all clients other than those who were White & non-Hispanic/non-Latino, White & unknown ethnicity, non-Hispanic/non-Latino & unknown race, or unknown race and unknown ethnicity).

Table 13b: Reported Positivity Rates by Race/Ethnicity

		Race						
		Caucasian/ White	African American/ Black	Asian	American Indian/ Alaskan Native	Native Hawaiian/ Pacific Islander	More than One Race	Unknown/ Not Reported
Ethnicity	Hispanic or Latino	15	6	0	0	0	1	15
		0.06%	0.41%	0.00%	0.00%	0.00%	0.10%	0.09%
	Not Hispanic or Not Latino	21	79	0	0	0	0	1
		0.08%	0.26%	0.00%	0.00%	0.00%	0.00%	0.07%
	Unknown/ Not Reported	0	1	0	0	0	0	5
		0.00%	0.08%	0.00%	0.00%	0.00%	0.00%	0.70%

Process Data

Overall, 2,158 staff at projects attended a total of 316 trainings for 1,774 hours in order to support HIV integration efforts. The regional distribution of these training efforts is shown below (Tables 15, 16, and 17).

Table 15: Number of Staff Trained by Region

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Staff Trained	214	287	293	168	55	428	174	195	259	85	2,158

Table 16: Number of Trainings by Region

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Trainings	41	36	46	43	21	30	20	21	44	14	316

Table 17: Number of Training Hours by Region

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	TOTAL
# of Hours	250.5	213.5	228.6	292.0	64.4	225.8	83.5	83.5	227.0	106.0	1,774.7

Training efforts were most heavily focused on HIV prevention skill-building (Figure 14). Substantial attention was also given to other key areas (cultural/linguistic competency, ABC skill-building, and age appropriateness).

Figure 14: Distribution of Trainings by Topic

