



# HIV Prevention Project Impact

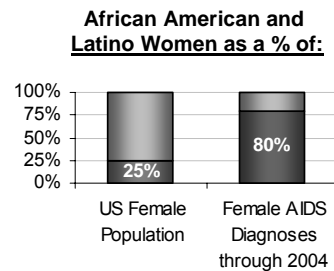
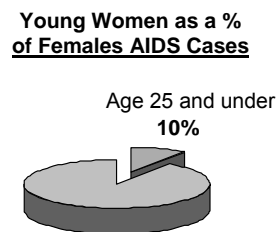
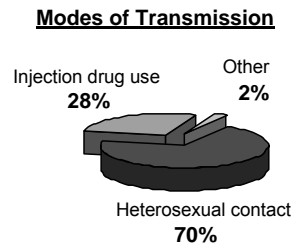
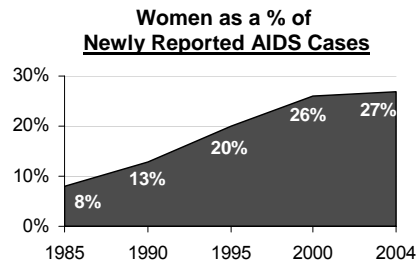
## Four-Year Data Trends

October 2001 – December 2005

Tammy Lee  
Research/Evaluation Associate  
Cicatelli Associates Inc.



## Epidemiological Trends



Source: CDC HIV/AIDS Surveillance Report, 2003 and 2005

# OPA/OFP HIV Prevention Project

## ➔ Goal

*To supplement existing Title X grants, in communities with demonstrated high risk for HIV/AIDS, to implement or expand HIV on-site prevention counseling, testing, and referral services*

## ➔ Data Reporting Periods

Cycle 1	Period 1	October 2001 - June 2002	9 mths
	Period 2	July 2002 - December 2002	6 mths
	Period 3	January 2003 - June 2003	6 mths
	Period 4	July 2003 - December 2003	6 mths
	Period 5	January 2004 - August 2004	8 mths
Cycle 2	Period 1	September 2004 - June 2005	9-10 mths
	Period 2	July 2005 - December 2005	6 mths

## Current Outcomes: Cycle 2, Period 1-2

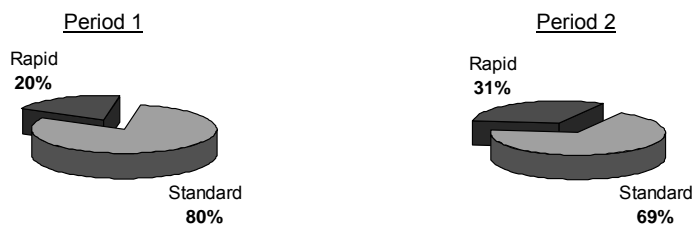
	<u>Period 1</u>	<u>Period 2</u>	<u>TOTAL</u>
# of individual HIV prevention counseling sessions	<b>122,691</b>	<b>84,702</b>	<b>207,393</b>
# of HIV tests	<b>77,242</b>	<b>55,137</b>	<b>132,379</b>
# of positive tests	<b>173</b>	<b>165</b>	<b>338</b>
# of clients returning for test results and post-test counseling	<b>35,769</b>	<b>37,598</b>	<b>73,367</b>
# of positive clients referred for treatment/care	<b>167</b>	<b>153</b>	<b>320</b>

Source: HIV Prevention Project Data

### Distribution of Testing by Test Mode



### Distribution of Testing by Test Type

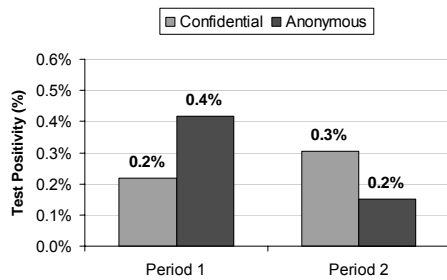


Source: HIV Prevention Project Data

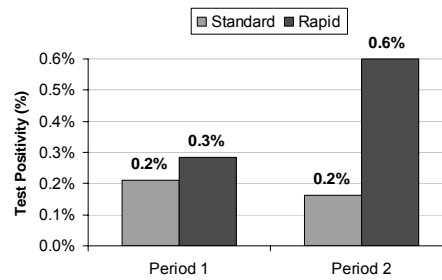
### HIV Positivity Rates

Period 1 = **0.22%** → Overall = **0.26%**  
 Period 2 = **0.30%**

#### By Test Mode



#### By Test Type



Source: HIV Prevention Project Data

### Rapid Testing False Positivity Rates

	# of Preliminary Positive Tests	# of Confirmed Positive Tests	Total # of HIV Tests (by Test Result)	False Positivity Rate (%)
Period 1	53	44	15,479	0.06%
Period 2	145	103	17,192	0.24%
<b>TOTAL</b>	<b>198</b>	<b>147</b>	<b>32,671</b>	<b>0.16%</b>

OraQuick Advance Rapid HIV 1/2 Antibody Test Specificity = **99.8%** → 2 false positive results per 1,000 tests → Expected false positivity rate = **0.20%**

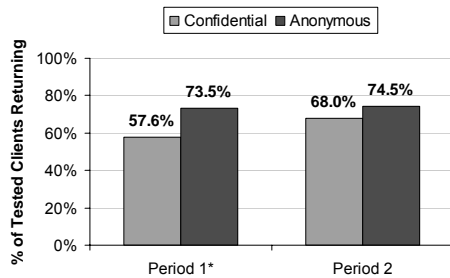
Source: HIV Prevention Project; FDA, 2005

### Return Rates for Results and Post-test Counseling

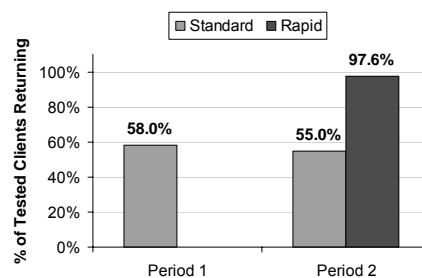
Period 1\* = **58.0%**

Period 2\* = **68.3%**

#### By Test Mode



#### By Test Type



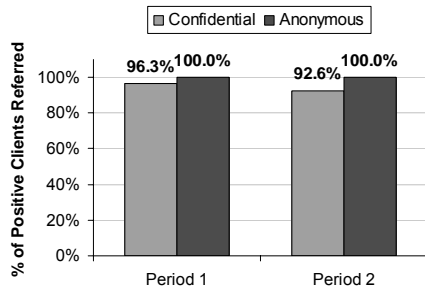
Source: HIV Prevention Project Data

\*Standard tests only

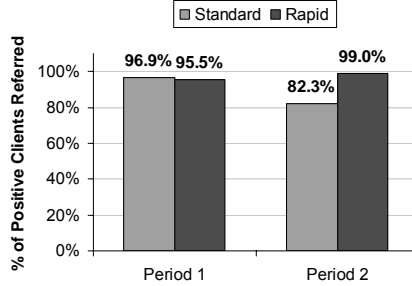
### Rate of Referral for Positive Clients

Period 1 = **96.5%**    ➔    Overall = **94.7%**  
 Period 2 = **92.7%**

#### By Test Mode

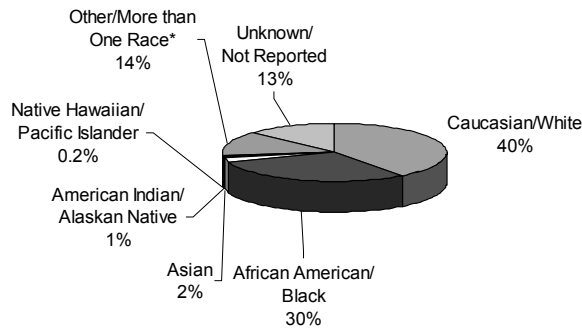


#### By Test Type



Source: HIV Prevention Project Data

### HIV Testing by Race



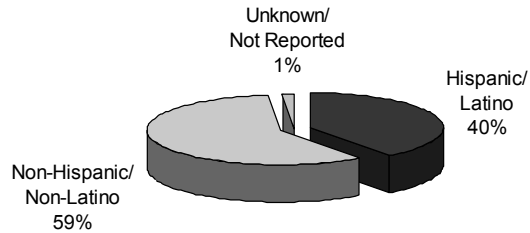
### HIV Positivity by Race

Race	Caucasian/White	African American/Black	Asian	American Indian/Alaskan Native	Native Hawaiian/Pacific Islander	Other/More than One Race*	Unknown/Not Reported
# of Confirmed Positive Tests	80	186	1	1	1	47	19
Total # of HIV Tests	50,708	38,507	2,784	1,054	266	18,073	16,348
% Positive	<b>0.16%</b>	<b>0.48%</b>	<b>0.04%</b>	<b>0.09%</b>	<b>0.38%</b>	<b>0.26%</b>	<b>0.12%</b>

Source: HIV Prevention Project Data

\*Period 1 = "Other"; Period 2 = "More than One Race"

### HIV Testing by Ethnicity



### HIV Positivity by Ethnicity

Ethnicity	Hispanic/Latino	Non-Hispanic/Non-Latino	Unknown/Not Reported
# of Confirmed Positive Tests	105	228	2
Total # of HIV Tests	51,266	74,693	1,781
% Positive	0.20%	0.31%	0.11%

Source: HIV Prevention Project Data

### HIV Testing by Race and Ethnicity\*

		Race						Unknown/ Not Reported
		Caucasian/ White	African American/ Black	Asian	American Indian/ Alaskan Native	Native Hawaiian/ Pacific Islander	More than One Race	
Ethnicity	Hispanic/ Latino	7,769	722	21	77	24	2,962	8,567
		14.5%	1.4%	0.0%	0.1%	0.0%	5.5%	16.0%
	Not Hispanic/ Not Latino	14,063	15,756	923	357	102	373	830
		26.3%	29.5%	1.7%	0.7%	0.2%	0.7%	1.6%
Unknown/ Not Reported	146	23	17	43	1	22	636	
		0.3%	0.0%	0.0%	0.1%	0.0%	0.0%	1.2%

### 71% Racial/Ethnic Minorities

- Non-Hispanic/Non-Latino African Americans/Blacks (30%)
- Hispanics/Latinos with Race Unknown/Not Reported (16%)
- Hispanic/Latino Caucasians/Whites (15%)

Source: HIV Prevention Project Data

\*Period 2 Only

### HIV Positivity by Race and Ethnicity\*

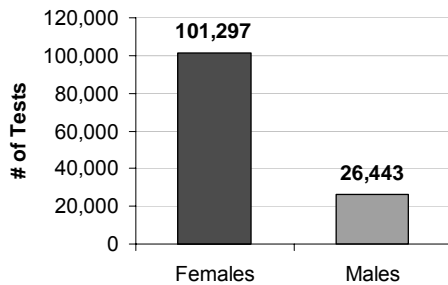
		Race						
		Caucasian/ White	African American/ Black	Asian	American Indian/ Alaskan Native	Native Hawaiian/ Pacific Islander	More than One Race	Unknown/ Not Reported
Ethnicity	Hispanic/ Latino	17	11	0	0	0	4	14
		<b>0.22%</b>	<b>1.52%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.14%</b>	<b>0.16%</b>
	Not Hispanic/ Not Latino	24	94	0	0	0	0	0
		<b>0.17%</b>	<b>0.60%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>
	Unknown/ Not Reported	0	0	0	0	0	0	0
		<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>

- Hispanic/Latino African Americans/Blacks
- Non-Hispanic/Non-Latino African Americans/Blacks
- Hispanic/Latino Caucasians/Whites

Source: HIV Prevention Project Data

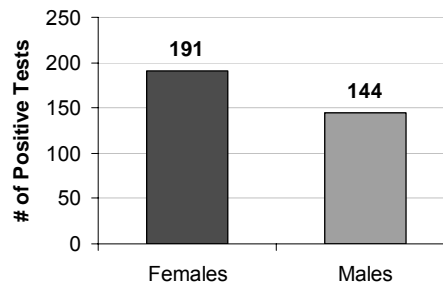
\*Period 2 Only

### HIV Testing by Gender



- Female to Male Ratio  $\approx$  4:1

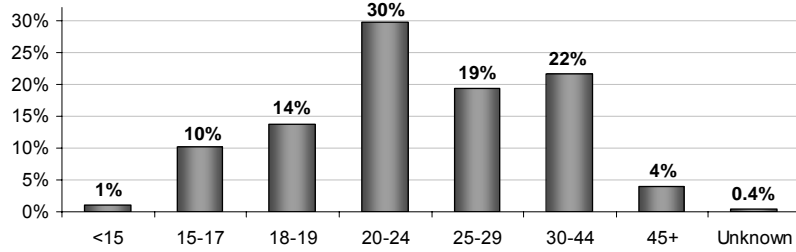
### Positivity by Gender



- Female Positivity = 0.2%
- Male Positivity = 0.6%

Source: HIV Prevention Project Data

### HIV Testing by Age Group



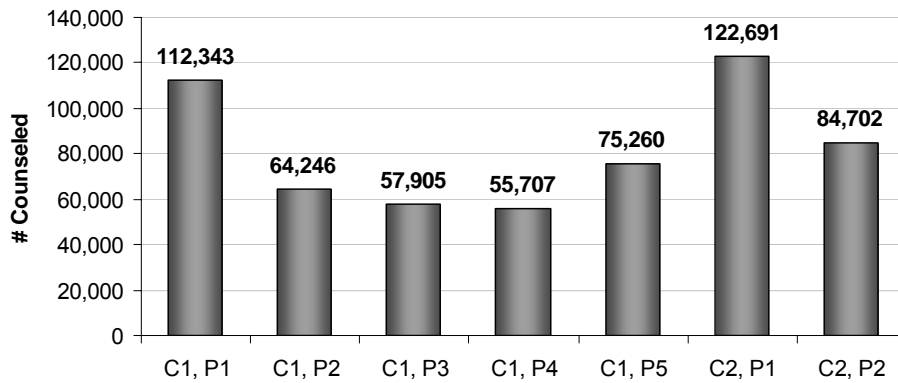
### HIV Positivity by Age Group

Age Group	<15	15-17	18-19	20-24	25-29	30-44	45+	Unknown
# of Confirmed Positive Tests	0	12	27	77	77	110	29	3
Total # of HIV Tests	1,423	13,004	17,420	38,032	24,757	27,585	4,982	538
% Positive	0.0%	0.1%	0.2%	0.2%	0.3%	0.4%	0.6%	0.6%

Source: HIV Prevention Project Data

## Overall Trends: Cycle 1 and 2

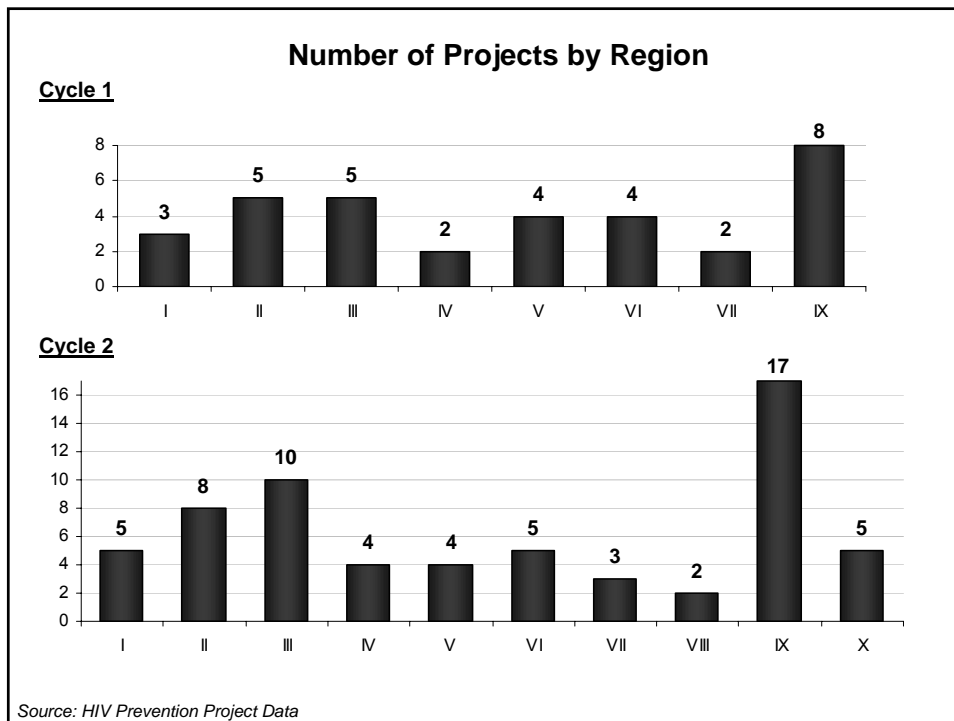
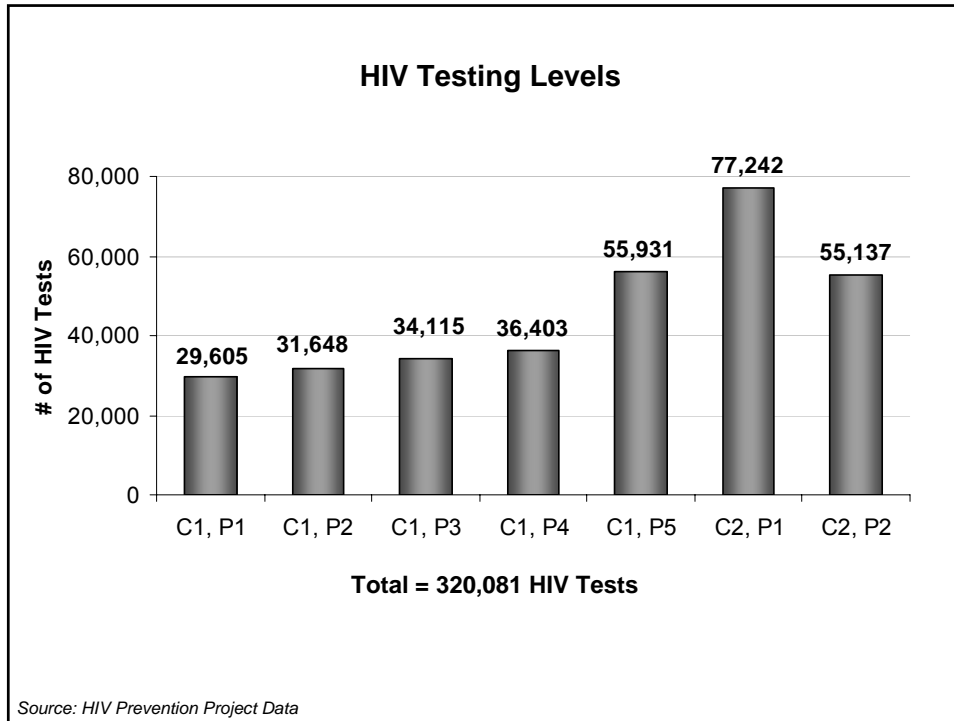
### HIV Counseling Levels\*

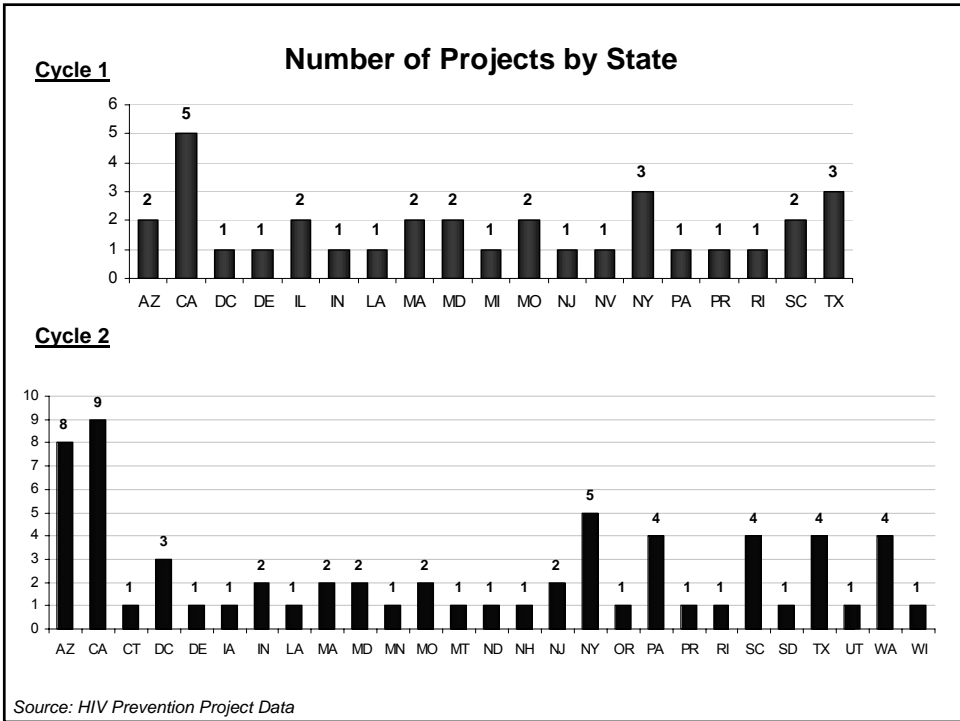
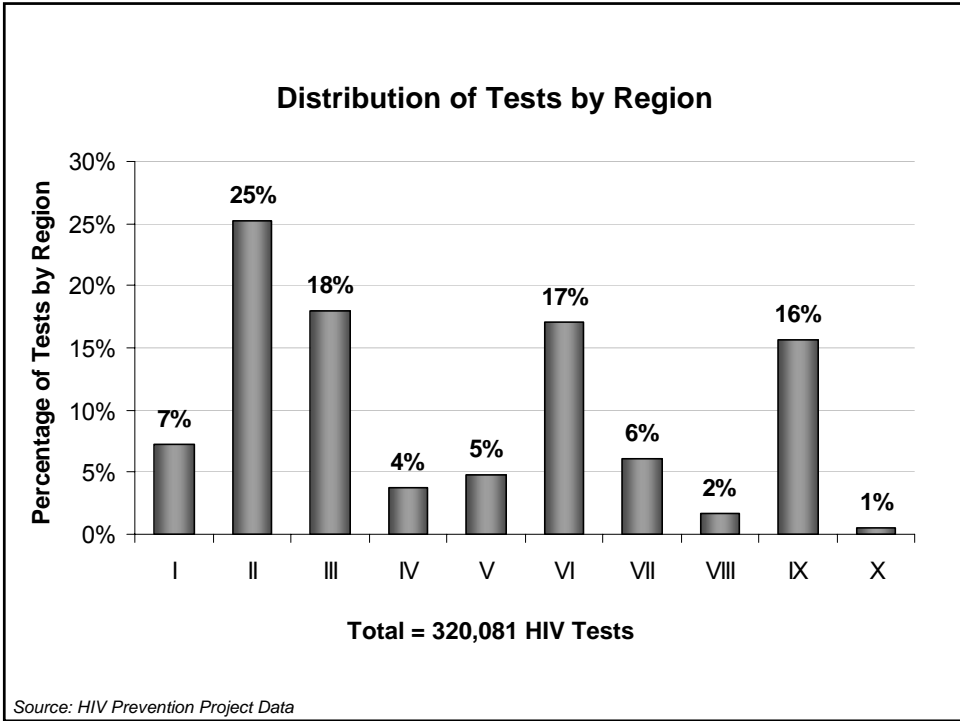


Total = 572,854 Counseled

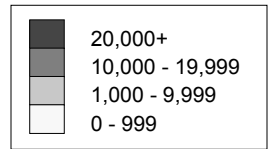
Source: HIV Prevention Project Data

\*C=Cycle, P=Period  
C2, P2 = # of Individual Counseling Sessions; All Other Ps = # of Clients Counseled





### Number of Tests by State



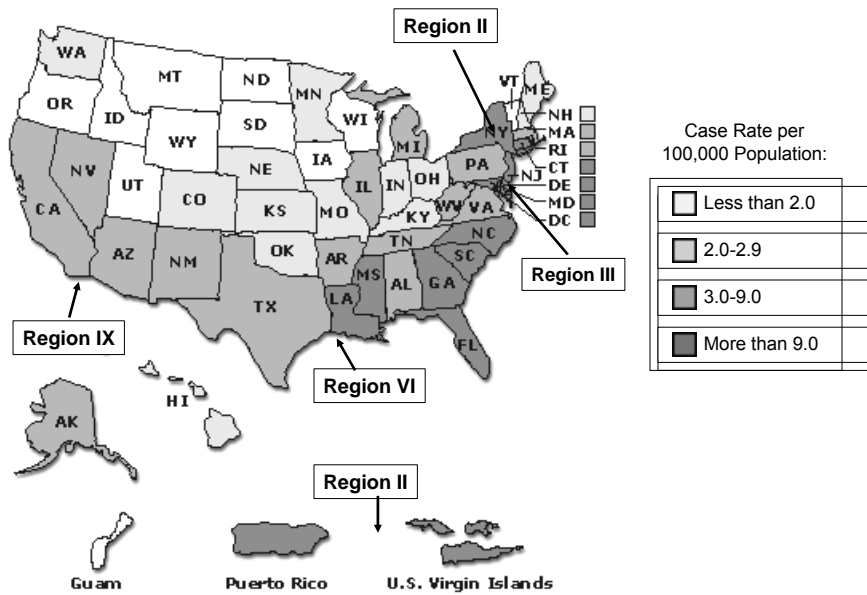
State	# of Tests
AZ	15,336
CA	27,392
CT	5,457
DC	6,303
DE	27,613
IA	2,303
IL	3,050
IN	9,391
LA	18,201
MA	3,789

State	# of Tests
MD	13,876
MI	969
MN,ND,SD	949
MO	17,098
MT	2,566
NH	153
NJ	23,885
NV	7,281
NY	42,295
OR	210

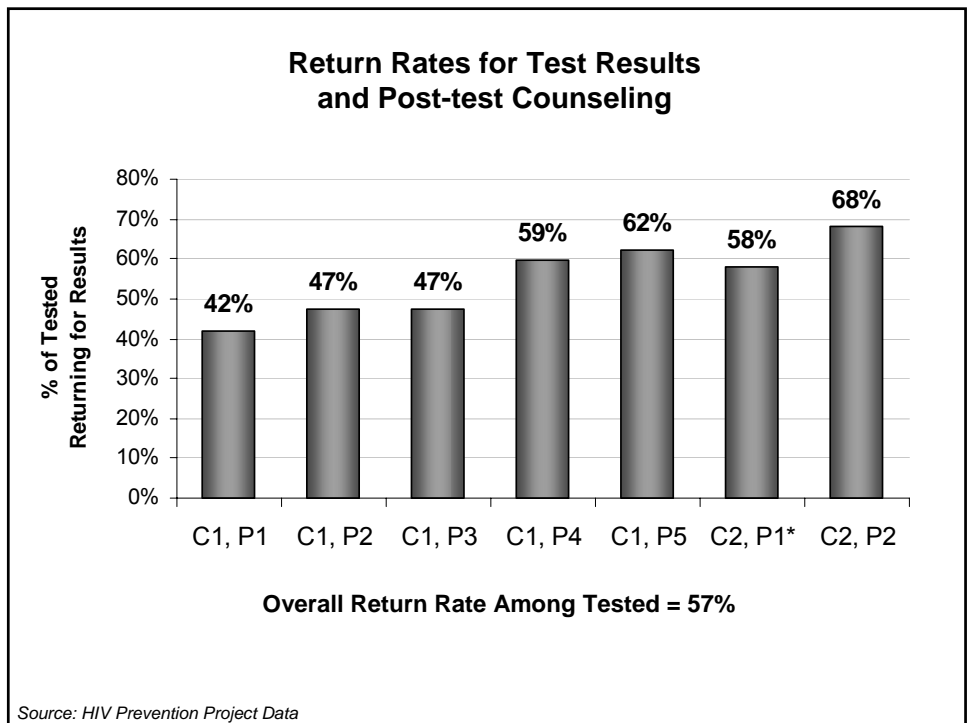
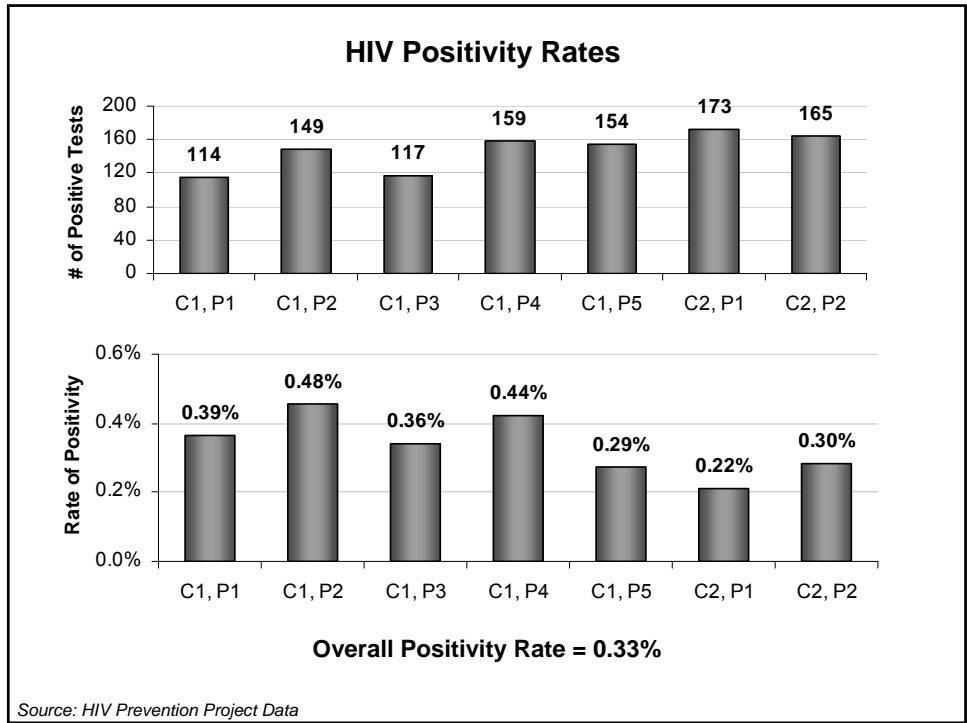
State	# of Tests
PA	9,770
PR	14,394
RI	13,963
SC	12,068
TX	36,308
UT	3,007
WA	1,641
WI	813

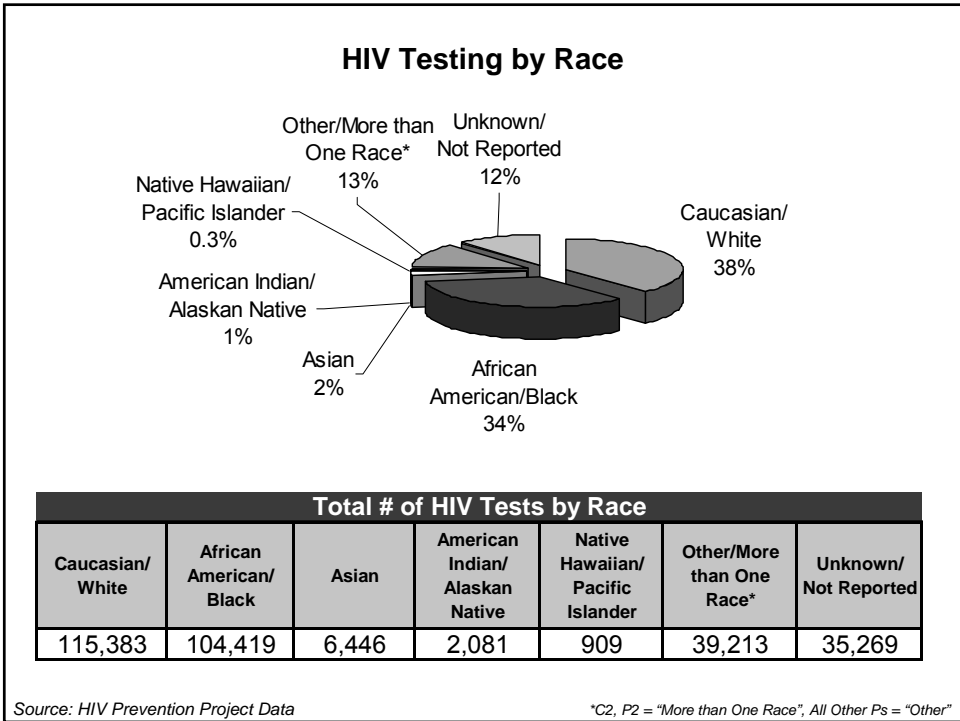
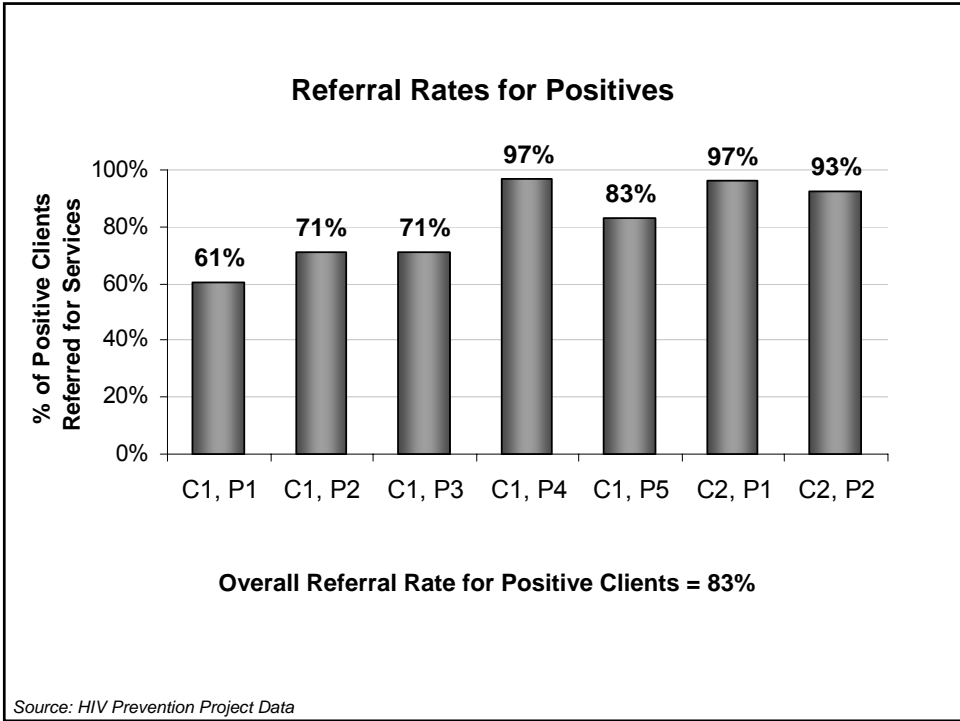
Source: HIV Prevention Project Data

### 2004 Female AIDS Case Rates by State

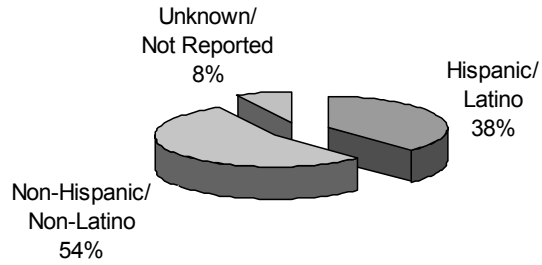


Source: CDC, HIV/AIDS Surveillance Report, 2005





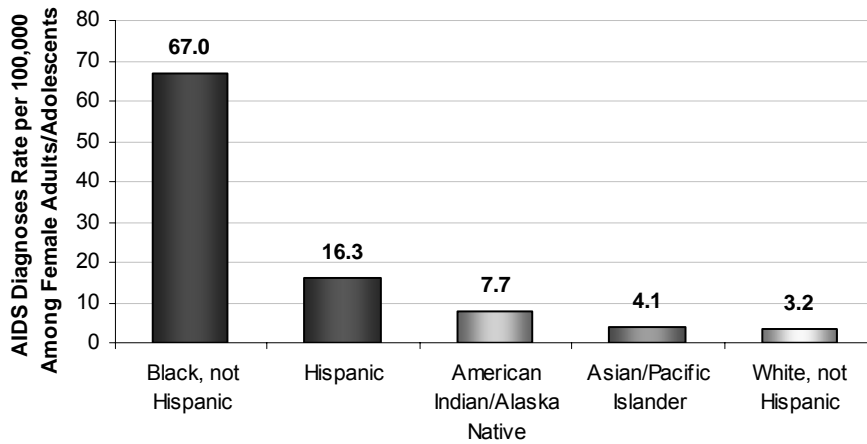
### HIV Testing by Ethnicity



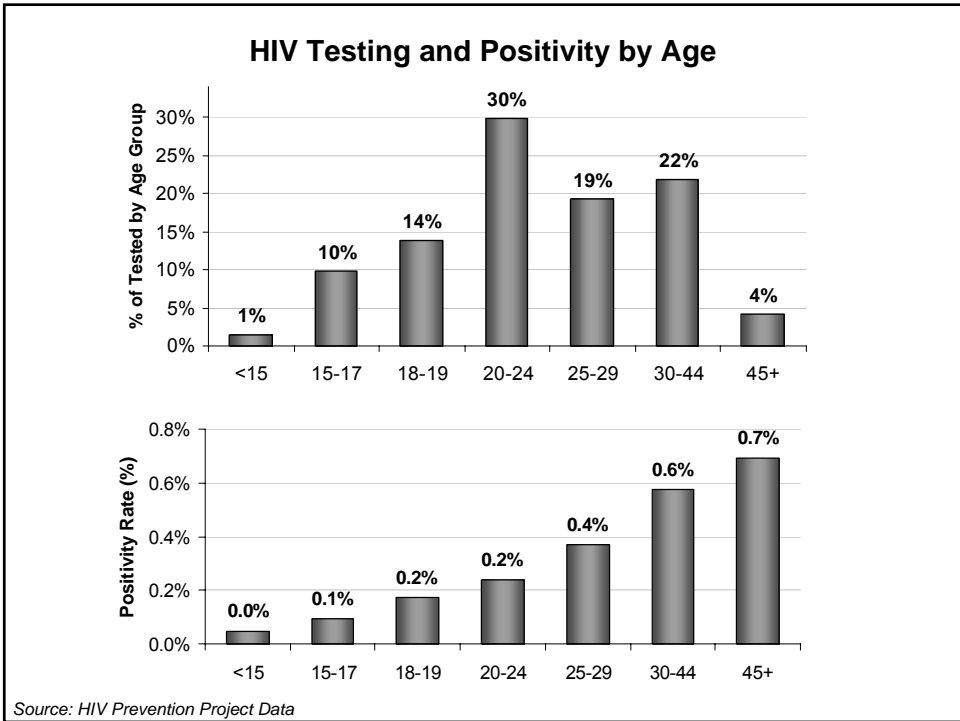
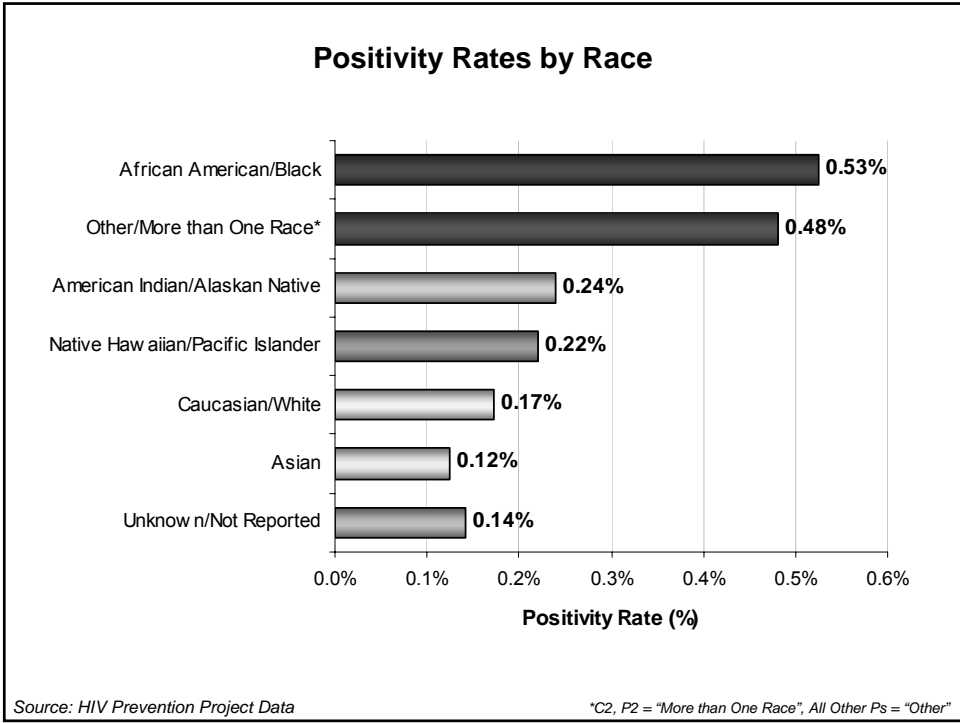
Total # of HIV Tests by Ethnicity		
Hispanic/Latino	Non-Hispanic/Non-Latino	Unknown/Not Reported
114,342	166,524	22,861

Source: HIV Prevention Project Data

### 2004 Rate of Female AIDS Diagnoses by Race/Ethnicity



Source: CDC HIV/AIDS Surveillance Report, 2005



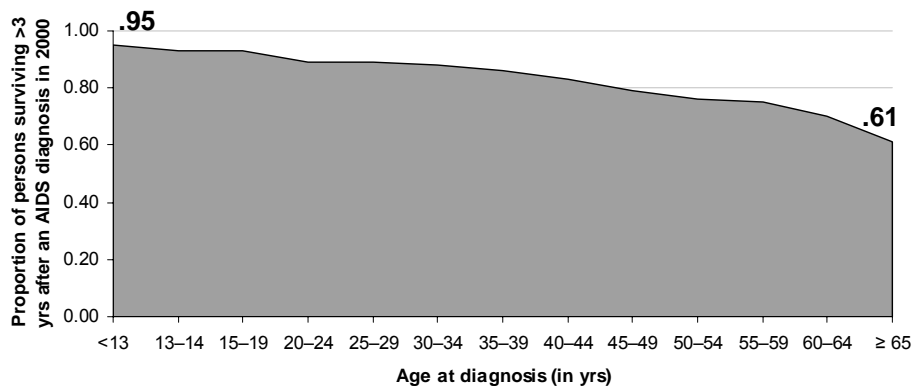
### Age at Diagnosis of HIV/AIDS

CDC Surveillance Data for Age at HIV/AIDS Diagnosis, 2001-2004					
	<15	15-24	25-29	30-44	45+
% of HIV/AIDS Cases by Age at Diagnosis	1%	11%	11%	51%	26%

HIV Integration Project, 2001-2005					
	<15	15-24	25-29	30-44	45+
% of HIV Tests by Age Group	1%	53%	19%	22%	4%
% of Positive Tests by Age Group	0.2%	31%	22%	38%	9%

Source: CDC HIV/AIDS Surveillance Report, 2005

### Survival after AIDS Diagnosis by Age Group



Source: CDC HIV/AIDS Surveillance Report, 2005

## Data Limitations

- Accuracy of Data Reporting
- Limitations in Interpreting Data
  - Positivity data
- Potential Upward Bias
  - Risk when reporting outcome evaluation data

## Conclusions and Next Steps

- Title X clinics continue to serve as critical sites for integration of HIV prevention services
- Demonstrated growth in efficiency and effectiveness of HIV Prevention Projects over time
- Over 320,081 HIV tests have been provided and an increasing level of testing has been performed
- The overall positivity rate of 0.33% is substantial

- Increased rapid testing has impacted outcomes
  - Higher positivity rates with rapid testing
  - Improved rates of return for test results
- Referral and linkage of HIV+ individuals to care should be sustained at current high rates
- Enduring need to reach out to
  - **High incidence** areas...and **pocket areas** of need
  - **Blacks, Latinos/Hispanics**...and other subgroups who lack access to HIV services or face high disease burden
  - **Underserved females**...and **males**
  - **Adolescents, young adults**...and **older people** in need of testing