



HIV Trends and the Status of High Risk Groups in San Diego County, 1985-2001

**Community Epidemiology
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Contents

Summary	5
Overall Trends	5
High Risk Populations	5
Anonymous Unlinked Seroprevalence	6
Document Structure	6
Analysis, Limitations and Data Sources	6
Overall Trends	8
Gender.....	8
Age Group.....	9
Race/Ethnicity.....	9
Geographic Area.....	9
Risk Group.....	10
Multiple Demographics	10
Women.....	10
Teens.....	11
Region.....	11
First Time and Repeat Testers	11
High Risk Populations	13
MSM Group.....	13
Age Group.....	13
Race/Ethnicity.....	14
Geographic Area.....	14
Multiple Demographics	14
Young MSM	15
Race/Ethnicity.....	15
Geographic Area.....	15
Multiple Demographics	16
IDU	16
Gender.....	16
Age Group.....	17
Race/Ethnicity.....	17
Geographic Area.....	18
Anonymous Unlinked Seroprevalence Data	18
Gender.....	18
Race/Ethnicity for Men.....	19
Conclusion	20
Appendix	21

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Summary

Information about the trends in prevalence of HIV by various demographics and geographic areas is critical to the allocation of scarce resources for prevention, care and treatment. Currently, the best single source of data about HIV in the community comes from publicly funded HIV counseling and testing services (HCT). The purpose of this document is to briefly describe overall HCT trends in San Diego County and to analyze in greater detail the trends among high-risk groups.

Overall Trends

Among anonymous and confidential tests at HCT, the overall rate of HIV infection has declined considerably from 18.6% in 1985 to 1.2% in 2001. Excluding confidential tests, recent trends in anonymous testing show a slight decline to 1.3% in 2000, with an increase to 1.6% in 2001. Most demographic and risk groups have also shown a decline in the HIV infection rate, while a few have shown little change. Women who tested had low rates of HIV infection in all years and the rate did not change substantially until 2001. The age groups with the highest infection rates (25-34 and 35-49) in 1990 continue to have the highest rates in the year 2001. Youth ages 13-19 have low rates of HIV infection. All race/ethnicities, males, age groups and each HHSA (Health and Human Service Agency) region experienced a decline in the HIV infection rate among testers between 1990 and 2000. However, changes from 2000 to 2001 include increased rates for men, those aged 25-34 and testers from the Central region and decreased rates for women. African Americans and Hispanics continue to have a higher rate of HIV infection than other race/ethnicities, although both groups experienced a decline in rates since 1990 (not including Hispanics in 2001). Similarly, the Central region of San Diego County has shown a decline in HIV infection rates (through 2000) yet continues to have a substantially higher rate than other regions. Of the top 5 risk groups, only IDU showed little change over time, with low rates of around 1.0%. HIV infection rates declined in the remaining 4 risk groups between 1990 and 2000. In 2001, Bisexual, MSM and young MSM showed an increase in rates from the previous year.

High Risk Populations

High-risk groups include gay or bisexual IDU, men who have sex with men (MSM), bisexual men, and those who have HIV+ partners (HIV+ Partner). Three of these groups were combined since they had in common being men who had male sexual partners: gay or bisexual IDU, men who have sex with men (MSM), and bisexual men. This combined MSM group was averaged over a five-year period (1996-2000) then analyzed in-depth by race/ethnicity, age and HHSA region.

Findings for the MSM group included a higher HIV infection rate for African Americans and those ages 25-39. Within the Central region, African Americans had much higher HIV infection rates than other race/ethnicities. The Central region had higher HIV infection rates than the other regions. African Americans and Hispanics had the highest rates in the Central region; African Americans and Hispanics had the highest rates in North Central; Hispanics had the highest rates in East, South (and regions with an out of county zip code).

In recent years, youth age 13-24 have had low rates of HIV infection in San Diego County. Rates dropped from 3.2% in 1990 to 0.7% in 1992 and have remained under 1.0% since then. However, most of those who test positive in youth are young men who have sex with men or are bisexual. An analysis similar to the one employed for the MSM group was applied to the 13-24 age group, and similar results were found. African American and Hispanic youth in the MSM group had higher rates of HIV infection, with rates by region being highest in Central.

IDU are considered a high-risk group; however HCT data show fairly low rates of HIV infection. The rate for IDU has declined from 1.9% in 1990 to 1.4% in 2000 (no rate could be calculated in 2001). When averaged

over 6 years, rates by gender were not substantially different (1.1% for men versus 0.8% for women). African American IDU had the highest HIV infection rates (2.1%) by race/ethnicity, and 25-34 year olds had the highest rate by age group (1.6%). Rates by HHS region were similar between regions.

Anonymous Unlinked Seroprevalence

Anonymous unlinked seroprevalence data show marked differences in the HIV infection rate of men who present for an STD test at the main STD clinic in San Diego compared to those who accepted HIV testing. Those men who are offered and accept an HIV test (in addition to the STD test) have much lower rates of HIV infection than the men who are not tested for HIV. One hypothesis is that the men who were not HIV tested already know or suspect they are HIV positive.

Document Structure

The data analysis begins with an examination of overall trends, then by gender, age group, race/ethnicity, geographic area, and risk group. Next specific subsets (First Time and Repeat Testers, the MSM group, Young MSM, IDU and Seroprevalence data) are examined by the relevant/available demographics. Tables with more information on each analysis are available in the appendix, including the actual number HIV positive and the number tested as well as the rate. Each chart has a corresponding table (or section within a table) in the Appendix although several tables have no corresponding chart and are only discussed in this document.

Analysis, Limitations and Data Sources

With the exception of the anonymous unlinked seroprevalence data, all the data presented here come from publicly funded HIV Counseling and Testing (HCT), collected locally using the HIV Counseling Information System for the State of California, Department of Health Services, Office of AIDS, HIV Prevention Research and Evaluation. Analysis was limited to San Diego County. Demographic variables are self-reported (or based on self-reported behaviors). Zip code of residence was aggregated into the six County Health and Human Service Agency regions.

The form and database used to capture HCT data have changed over time, particularly risk category. To show trends over time, risk categories were recoded to closely resemble those used in HIV4 (the database used from the last half of 1997 through 2000). While risk behaviors defining categories have remained fairly constant over time, the time frame in which those behaviors occurred have become part of the definition in recent versions of the database. Since clients weren't asked about the time frame of some behaviors in the early versions, the recoding of earlier versions is likely to have some error in assignment. Also, changes in risk group definitions lead to artificial reassignment. In 2000, counselors were told to ask about behaviors that occurred in the last two years or since the last test visit. So instead of asking if a client had ever injected nonprescription drugs, they now ask if they have injected drugs within the last two years (or since they last tested). In 2001, about 80% fewer tests than the previous year were to IDU, and this is probably the result of changes in the definition. Also, in 2001 Partners with Multiple Partners was discontinued as a risk category.

All data sources have limitations. The HCT database has two that are very important to recognize: 1) none of the data collected uniquely identifies a client and clients may test more than once in a given time period, therefore data are considered units of service rather than individuals tested; and 2) those who test at HCT sites may differ in important ways from those who do not test or who test with a private physician or clinic.

The HCT data are subject to random variation in rates over time, particularly when the number of events (HIV positive tests) are small. Caution should be used when interpreting rates based on fewer than 20 events, as the rates may be unstable. No rates are calculated for fewer than 5 events.

The serosurvey data presented here use anonymous unlinked (blinded) HIV testing. During a 1-3 month period of a given year, residual blood samples (originally drawn to test the client for syphilis) are stripped of client identifiers and tested for HIV antibodies. About 500 consecutive samples are tested from the main STD clinic in San Diego. The serosurvey is conducted to monitor the level of HIV infection in groups at high-risk, namely individuals seeking STD testing. Thus, data are not representative of the general San Diego population. In addition, samples are collected from only one site in San Diego, and although STD most clients are offered an HIV tests, not all are. Serosurvey data comes from the State of California, Department of Health Services, Office of AIDS, HIV/AIDS Epidemiology Branch.

Overall Trends

Free HIV antibody tests and counseling are offered at over 15 different sites in San Diego County (see appendix). Each year HCT provides about 17,000 HIV tests in San Diego County (see Analysis & Limitations). HCT services have been offered in San Diego County since 1985; however, data were not captured electronically until 1990, thus only the number positive and the total tested are available prior to 1990.

The distribution of clients who came in for testing by gender, age group, race/ethnicity and risk group for each region during 2001 are presented in the appendix, tables 32-36. Overall, about 2/3 of testers are male and 1/3 female. Just over 33% of testers were ages 35-49, with the next largest proportion being ages 25-34. Comparing the distribution of testers by race/ethnicity to the distribution of the population (census 2000) for San Diego County, African Americans are over represented among testers, Asian/Pacific Islanders and whites are under represented, and American Indian and Hispanic testers have about the same distribution.

When examining the distribution of HIV positive tests in 2001, the profile of a positive test would be a male, between the ages of 25-34, Hispanic, MSM and who resides in the Central region (*Table 37*).

The rate of HIV infection among all HCT tests (not just anonymous) in San Diego County dropped steeply and annually from the high of 18.6% in 1985 to 1.2% in 1992, and remained stable through 2001 (*Figure 1*). Anonymous testing data from 1990 to 1992 showed a drop from 4.7% to 1.3% and then an increase to 1.8% in 1997, and a decrease back to 1.3% then an increase to 1.6% in 2001 (*Figure 2*).

Gender

When analyzed by gender over time, it becomes clear that HIV infection rates have declined for men but are still much higher than the rate for women (*Figure 3*). In addition, rates declined for women between 2000 and 2001 but increased for men.

Figure 1

HIV Testing Percent Testing HIV+, All Tests San Diego County, 1985-2001

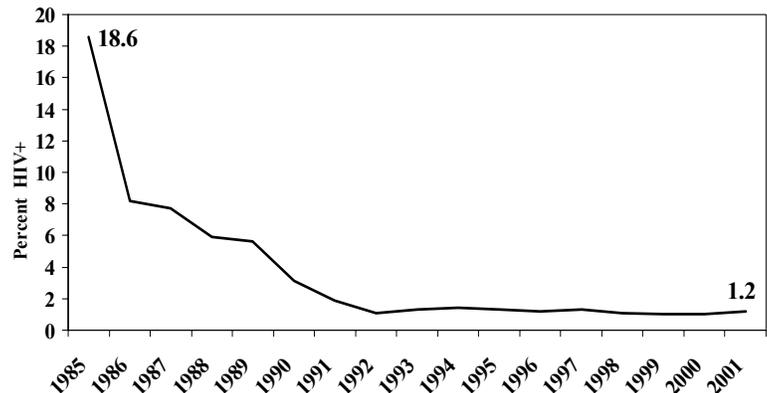


Figure 2

Anonymous HIV Testing Percent Testing HIV+ San Diego County, 1990-2001

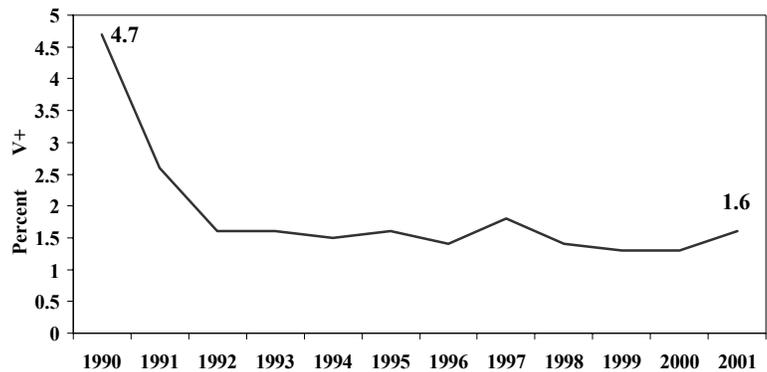
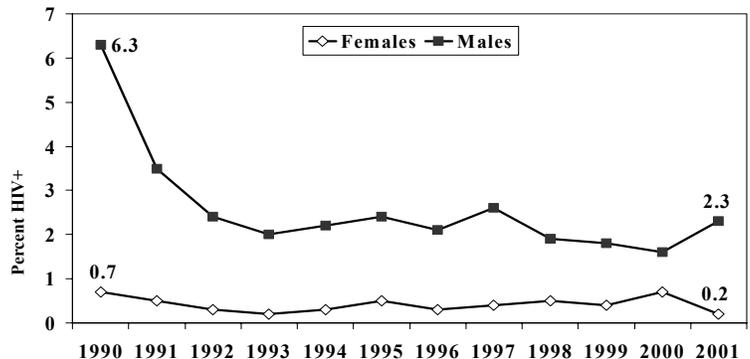


Figure 3

Anonymous HIV Testing Percent HIV Positive by Gender San Diego County, 1990-2001



Age Group

The decline in percent testing HIV positive by age group seen through 1992 has stabilized with little change in recent years (Figure 4). The age group with the highest rate of HIV infection was those ages 25-34 until the year 2000, when the age group with the second highest rate, 35-49 surpassed it (1.4% and 1.8% in 2000). This was again reversed in 2001, with an increase in rates for those ages 25-34. Since 1993, the age groups 20-24 and 50+ have had low rates, 1.2% and 0.5% respectively in 2000. Two age groups, <15 and 15-19, have had so few HIV positive tests each year that no rates were calculated. In 2001, no youth <15 tested HIV+ and only two in the 15-19 age group tested positive.

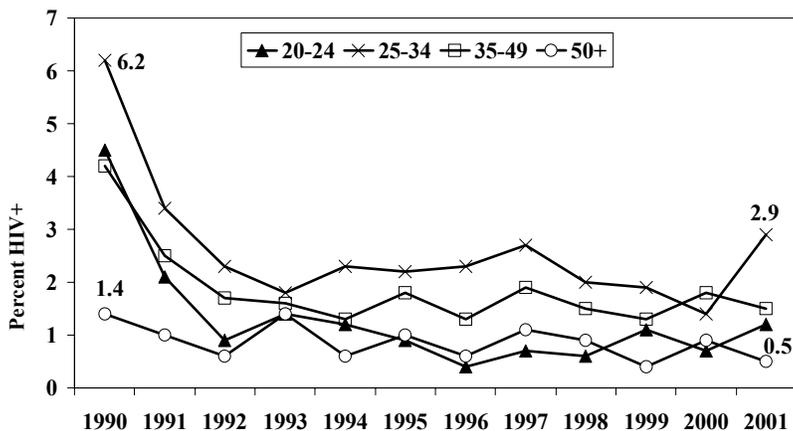
Race/Ethnicity

The trend by race/ethnicity has been a decline in rates of HIV infection since 1990 for all groups, although higher rates are still seen for African Americans and Hispanics than for other races/ethnicities (Figure 5). The rate of HIV infection in 1990 for African Americans, Hispanics, whites and Asian/PI respectively was 9.0%, 6.3%, 4.1% and 3.1%. HIV infection rates in the year 2001 for African Americans who tested was 1.8%; for Hispanics 2.4%; for both whites and Asian/PI 1.2%. Between 2000 and 2001, the rate of infection for Hispanic testers increased from 1.5% to 2.4%.

Geographic Area

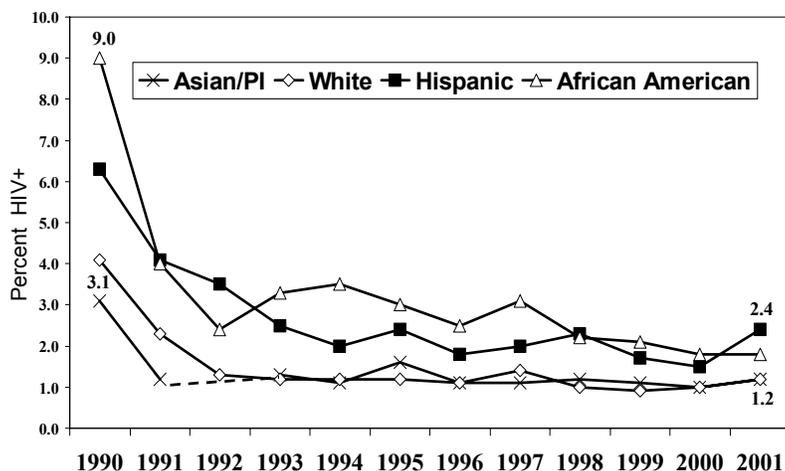
Like other analyses, the trend in the six regions of San Diego County (Health and Human Service Agency) has been a decline in HIV infection rates from 1990 to 1992, with most regions showing slight declines since that time (Figure 6). The Central region has always had the highest rates of HIV infection, and it has declined the most over time until 2000. Between 2000 and 2001, the Central region experienced an increase in the HIV infection rates of testers. The South region has generally had the next highest rate. No rates could be calculated for the North Inland region since 1994 due to fewer than 5 positive tests each year. The North Coastal region has generally had the lowest rates.

Figure 4 **Anonymous HIV Testing
Percent HIV Positive by Age Group*
San Diego County, 1990-2001**



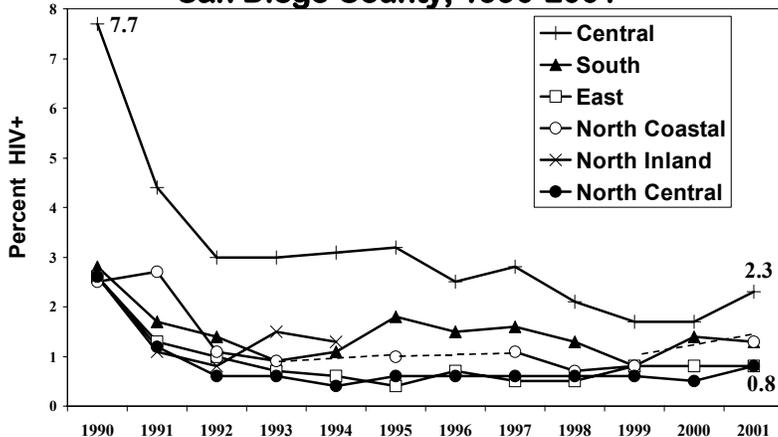
*Age groups <15 and 15-19 had fewer than 5 HIV+ tests each year, too few to calculate a rate.

Figure 5 **Anonymous HIV Testing
Percent Testing HIV+ by Race/Ethnicity
San Diego County, 1990-2001**



Fewer than 5 events, no rate calculated for Asian/PI in 1992- dotted line.

Figure 6 **Anonymous HIV Testing
Percent Testing HIV+ by HHSA Region
San Diego County, 1990-2001**



No rates calculated for fewer than 5 events (dotted lines).

Risk Group

Many risk groups have a relatively small number of total tests taken and often a very small number of HIV+ tests, (see appendix for more information on risk groups). For the purposes of this report, the focus will be on the risk groups with the highest rates. In San Diego County, the risk groups with the highest rates of infection are Gay/Bi IDU, MSM, Bisexual, and HIV+ Partner. Since 1990, HIV infection rates for the risk groups with the highest rates have declined, while the risk groups with low rates of HIV infection have stayed about the same.

Although MSM have the largest number of positive tests, their rate of HIV infection has been second to Gay/Bi IDU (Figure 7), when rates can be calculated. Gay/Bi IDU HIV infection rates declined from 21.7% in 1990 to 5.6% in 1999 (the most recent year in which a rate could be calculated). Among MSM, the rate of HIV infection dropped from 12.8% in 1990 to 3.7% in 2000, then back up to 4.5% in 2001. Similarly, Bisexual had a decline in rates from 9.9% in 1990 to 1.3% in 2000, and back up to 3.7% in 2001. The risk group HIV+ Partner does not include all testers who have an HIV+ partner- see the appendix for more information. With this in mind, the HIV infection rate for HIV+ Partner has declined from 6.0% in 1990 to 4.2% in 2000 (no rate could be calculated in 2001). The rates of HIV infection in IDU who test at HCT have been fairly low, 1.4% in 2000 (no rate could be calculated in 2001).

Multiple Demographics

Women

HIV infection rates by race/ethnicity for females were averaged over two five year segments: 1992-1996 and 1997-2001 (Figure 8). African American women had the highest rates in both time periods, although their rates decreased slightly in 1997-2001. Hispanic women had the next highest rates, and also experienced a slight decline in the most recent time period. Asian/Pacific Islander women had higher rates than white women in 1992-1996, but no rate could be calculated for Asian/Pacific Islander women in the most recent time period due to too few positives (also true for American Indian/Alaskan Native women in both time periods). Rates by race/ethnicity for males are examined among the MSM group, the group of men with the highest risk in the section on high-risk populations.

Figure 7

Anonymous HIV Testing Percent Testing HIV+, Selected Risk Groups San Diego County, 1990-2001

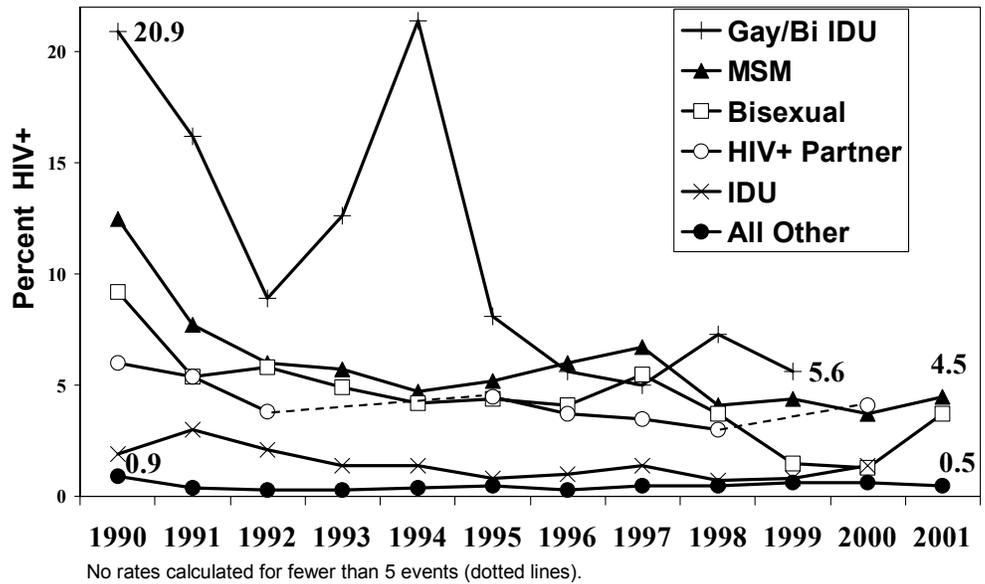
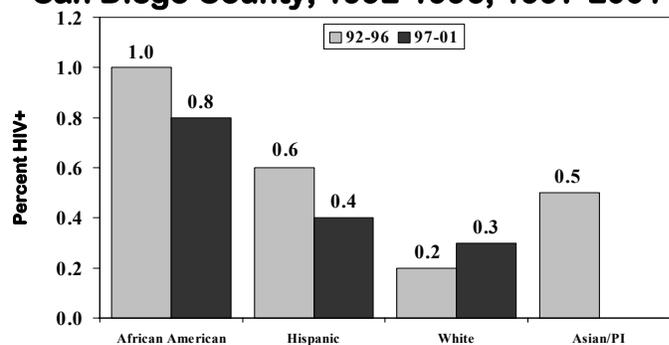


Figure 8 Anonymous HIV Testing
Women Only
Percent HIV+ by Race/Ethnicity
San Diego County, 1992-1996, 1997-2001*



*Five year averages. American Indian/AN had too few positives to calculate rates; Asian/PI had too few positives to calculate a rate in 1997-2001.

Teens

Although rates of HIV infection for testers under age 20 have been low, particularly in recent years, this group is of concern due to their age and potential for prevention. Youth ages 13-19 were examined by risk group and gender, however; the annual number of HIV positives were so small that often rates could not be calculated. Therefore, data were averaged over 2 six year time periods (1990-1996) for boys only (only 6 girls tested positive in 12 years). Seven boys tested HIV positive during 1990-1995, all were MSM, making the rate for MSM 2.8%. During 1996-2001, 12 boys tested HIV positive, 7 MSM, 2 Bisexual, 2 Multiple Partners, and 1 with no reported risk. The rate for MSM in the time period 1996-2001 was 2.7%, or about the same as the earlier time period. Thus, only 3 non-MSM boys and 6 girls tested HIV positive over 12 years out of the 9,601 tests taken by this group.

Region

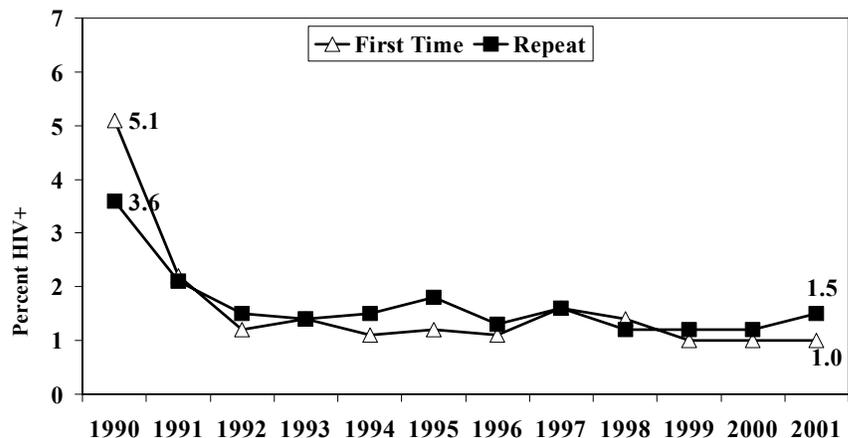
More in-depth data is presented by HHS region in the Appendix, tables 10-17. Each region was analyzed by gender, age group, race/ethnicity and risk group for two time periods: 1990-1995 and 1996-2001. As would be expected from the annual trends in the regions, the rates of HIV infection decreased in all regions during the two time periods. The Central region had the highest rate in 1990-1995, with the South and North Coastal regions tying for the next highest rate. In 1996-2001, the Central region again had the highest rate, with South following.

In the first time period, 1990-1995, males in the Central region had the highest HIV infection rate (5.5%), with males in the South having the next highest rate (2.5%). Rates for women were below 1.0% in all regions, although women in the Central region had the highest rate (0.7%). The age group 25-34 had the highest rates in all regions, with the highest rate in the Central region (5.2%). By race/ethnicity, African Americans had the highest rates in all regions, with the highest rate being in the Central region (5.1%). American Indian/Alaskan Natives had the next highest rate, again in Central, at 4.7%, with Hispanics coming in next at 4.3%. The highest rates by risk group were among Gay/Bi IDU at 17.4%, 16.7%, and 11.1% in the Central, North Coastal and South regions respectively. MSM had high rates, 7.9% in Central, and 7.1% in South. Bisexuals had the highest rates in Central (7.4%) and North Inland (6.7%). The rate for testers with HIV+ Partners in the North Coastal and North Central region was 5.8%. IDU testers in the Central region had the highest rate at 2.6%.

During 1996-2001, rates decreased but relationships often stayed the same. Some exceptions include North Coastal having slightly higher HIV infection rates among African Americans than Central (2.6% compared to 2.4%), and Hispanics having a slightly higher rate than African Americans in the Central region (2.5% compared to 2.4%). Also, HIV+ Partners had a higher rate in the South region than Gay/Bi IDU in the Central region (9.0% vs. 7.0%).

Figure 9

Anonymous HIV Testing Percent HIV+, First Time and Repeat Testers San Diego County, 1990-2001



First Time and Repeat Testers

Overall, first time testers and those who have tested one or more times before (repeat) have similar HIV infection rates in recent years (Figure 9). However, the difference in rates between first time and repeat testers is more pronounced by gender, age and risk group. Women have had virtually no difference in the rates of first time and repeat testers, and the same is true of men for the most recent year (2001). For men, first time testers had the higher rate until

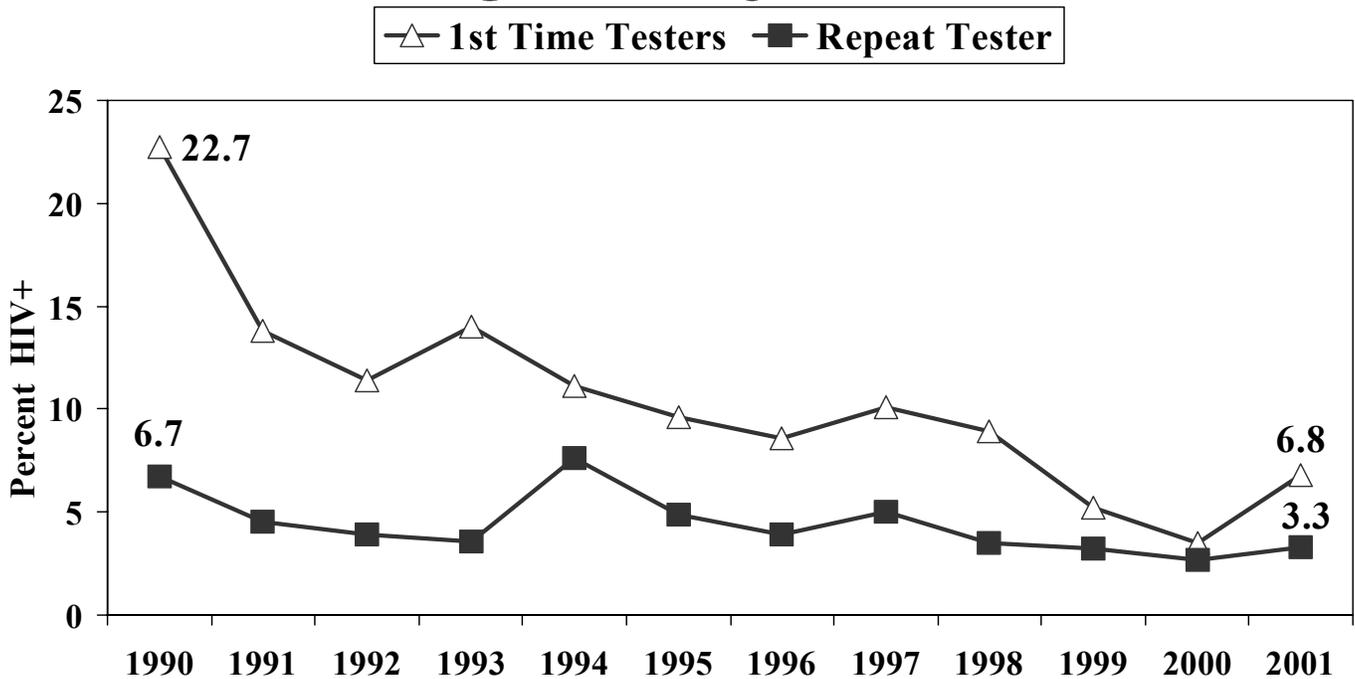
1992, with no substantial difference up through 2001. First time and repeat testers by age group show no trend over time, but there are consistent differences between the age groups. Younger testers ages 20-24 show a higher HIV infection rate among repeat testers, those ages 25-34 have just about the same rates for first time and repeat testers, while testers 35 and older have a higher rate among first time testers (see appendix, *Table 19*).

The MSM group show a large difference in HIV infection rates between first time and repeat testers, with first time testers having a much higher rate (*Figure 10*). Over time, the HIV infection rate for first time testers has declined so that in 2000 the rate is similar to repeat testers. Again, 2001 seems to show a change in trend, with an increased rate for first time testers.

HIV infection rates were also examined for first time and repeat testers who were IDU. First time IDU testers appear to have slightly higher rates of HIV infection than repeat IDU testers, and this has remained unchanged over time.

Figure 10

Anonymous HIV Testing Percent Testing HIV+, First Time and Repeat Testers for MSM Group* San Diego County, 1990-2001



*MSM Group= men who have sex with men, bisexual men and injection drug using gay or bisexual men.

High Risk Populations

MSM Group

Certain risk groups have historically had much higher rates of HIV infection than others in San Diego County. Three risk groups, having in common both the highest rates and the behavior of men who have had sex with men, were combined to form the 'MSM group': Gay/Bi IDU, MSM, and bisexual men (n=11,409). Overall, rates of HIV infection have fallen for the MSM group between 1990 and 2000 from 12.3% to 3.0% but have increased in 2001 to 4.6% (Figure 11).

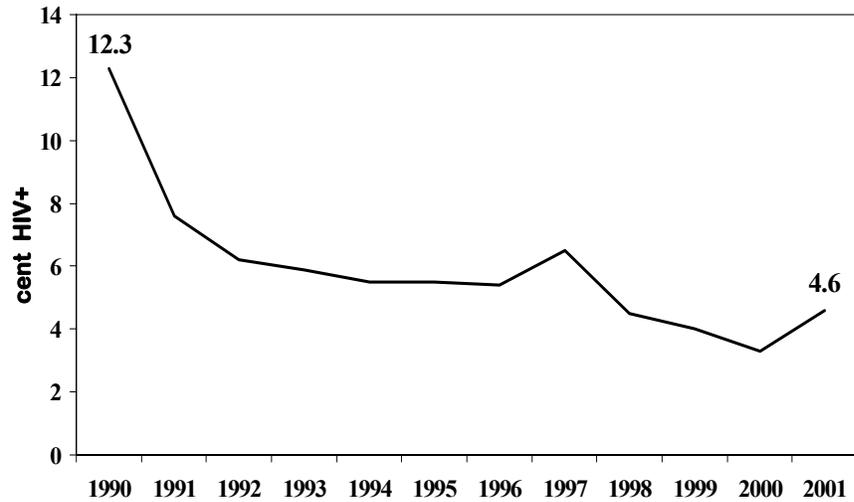
To allow for detailed analyses, the MSM group was averaged over 5 years: 1996-2000 (2001 data was not available at the time of this analysis). Demographic and geographic analyses are presented below.

Age Group

The age groups with the highest HIV infection rates are 25-34 and 35-49, 6.1% and 5.1% respectively (Figure 12). Youth under the age of 15 had no positive tests during this time period.

Figure 11

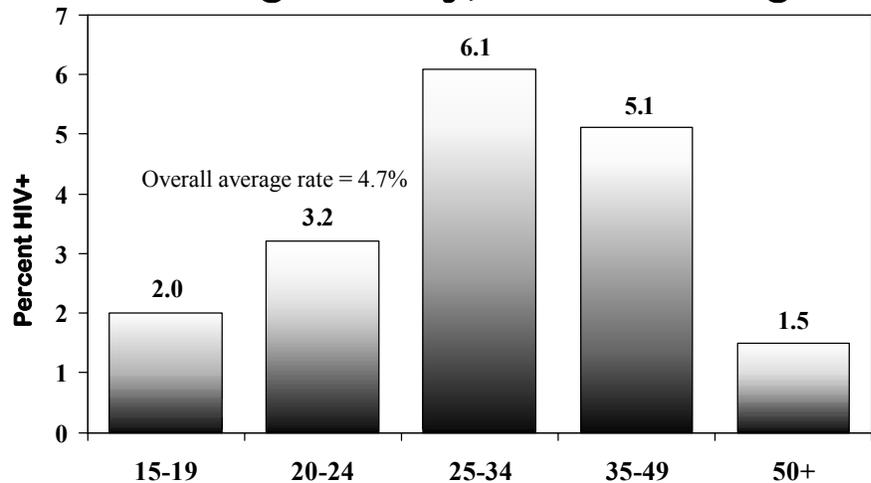
Anonymous HIV Testing Percent Testing HIV+, MSM Group* San Diego County, 1990-2001



*MSM Group= men who have sex with men, bisexual men and injection drug using gay or bisexual men.

Figure 12

Anonymous HIV Testing MSM Group* Percent HIV+ by Age Group San Diego County, 1996-2000 Avg.



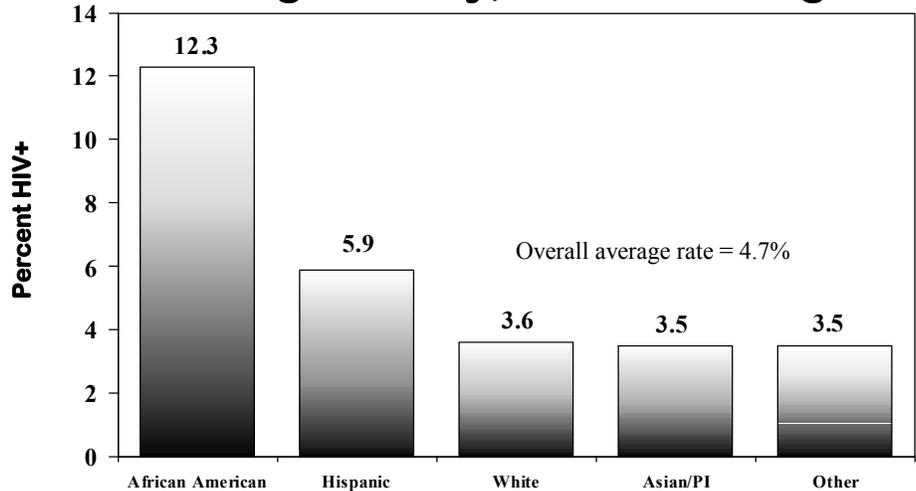
*MSM Group= men who have sex with men, bisexual men and injection drug using gay or bisexual men.

Race/Ethnicity

African Americans in this group had an HIV infection rate over 3 times that of all other race/ethnicities except Hispanics (Figure 13). The rate of infection for Hispanics was just under 2 times that of whites, Asian/Pacific Islanders or Other. American Indian/Alaskan Natives had too few positive tests to calculate rates (2 positives in 5 years).

Figure 13

**Anonymous HIV Testing
MSM Group*
Percent HIV+ by Race/Ethnicity
San Diego County, 1996-2000 Avg.**

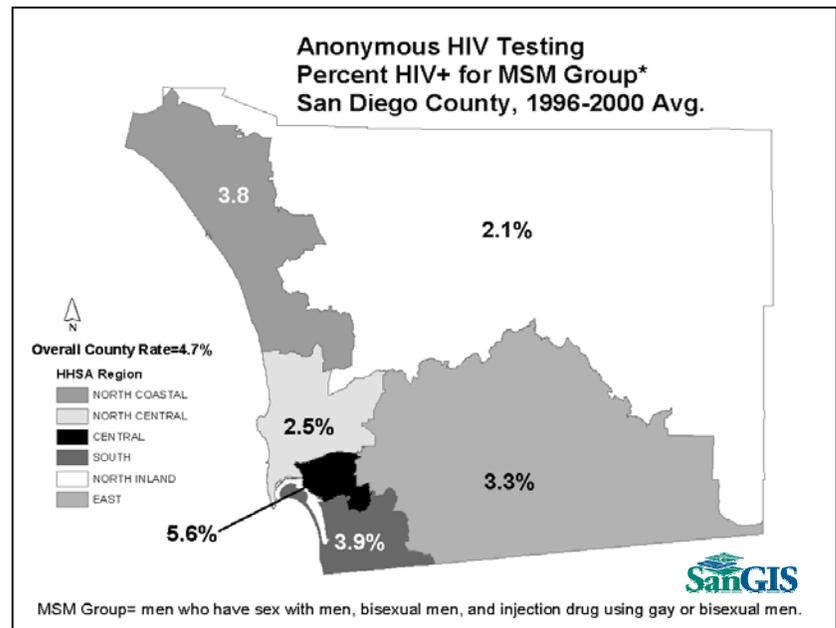


*MSM Group= men who have sex with men, bisexual men and injection drug using gay or bisexual men.

Geographic Area

The Central region of San Diego County, at 5.6%, had the highest rate of HIV infection, with other regions falling below the County average of 4.7% (Figure 14). Data are regionalized by zip code and the rate for those who could not be regionalized due to an unknown zip code was 8.4% (29 HIV+ out of 344 testers). The majority of those testing without a valid zip code were Hispanic, with an HIV infection rate of 12.9% (appendix, Table 24). Frequently, the zip code entered was 99999, which is often used for zip codes outside the country.

Figure 14



Multiple Demographics

When analyzing the MSM group by both race/ethnicity and age group, most often the 25-34 age group had the highest HIV infection rates, with two exceptions (appendix, Table 23). Among Asian/Pacific Islanders the 35-49 age group had the highest rates, and for Hispanics the 25-34 and 35-49 age groups had the same rates. The two youngest age groups, <15 and 15-19 had too few positives to calculate a rate. African Americans also had high rates for the age groups 20-24 (8.1%) and 35-49 (11.5%).

Where rates could be calculated, the race/ethnicities with the highest rates of HIV infection in a region were African American and Hispanic in North Central region; African American, Hispanic and Other in the Central region; Hispanic in the East region; Hispanic in the South region; and Hispanic in the unknown/invalid zip code (appendix, Table 24).

Young MSM

Alarming increases in HIV infection rates for young MSM have been discovered recently in some large metropolitan areas of the U.S. In San Diego, HCT data for young MSM (including Gay/Bi IDU and bisexual) ages 13-24 were examined.

The trend for young MSM in San Diego County who tested is a sharp decline from 1990 to 1992, with a decline to 96/97 and an increase since then (*Figure 15*). In recent years, on average just less than 400 young MSM test through the HCT each year and of those about 15 will test positive, resulting in considerable annual variation in the rate.

Five years of data, 1996-2000, were averaged for the young MSM group to facilitate more detailed analysis (n=1,753). The results follow.

Race/Ethnicity

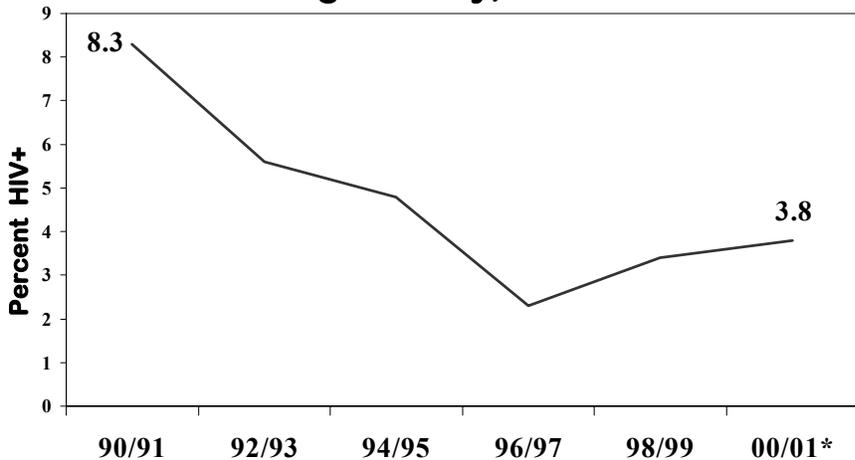
Of the young MSM group, African Americans had the highest HIV infection rate, with Hispanics and whites following (*Figure 16*). Like their adult counterparts, young African American MSM had rates that were many times more than other race/ethnicities. American Indian/Alaskan Native and Asian/Pacific Islander had too few positive tests to calculate rates.

Geographic Area

As with the adult MSM group, the Central region showed the highest HIV infection rates (3.5%), with the South (2.7%) and East (2.5%) regions following. The remaining regions had too few positive tests to calculate a rate.

Figure 15

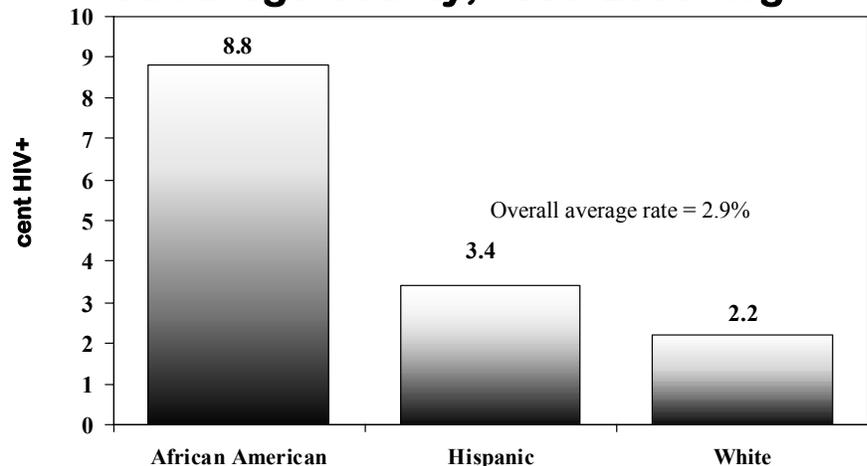
Anonymous HIV Testing Percent Testing HIV+ MSM group*, Ages 13-24 San Diego County, 1990-2001^a



*MSM Group= men who have sex with men, bisexual men and injection drug using gay or bisexual men. Two year averages.

Figure 16

Anonymous HIV Testing MSM Group* Ages 13-24 Percent HIV+ by Race/Ethnicity San Diego County, 1996-2000 Avg.



*MSM Group= men who have sex with men, bisexual men and injection drug using gay or bisexual men.

Multiple Demographics

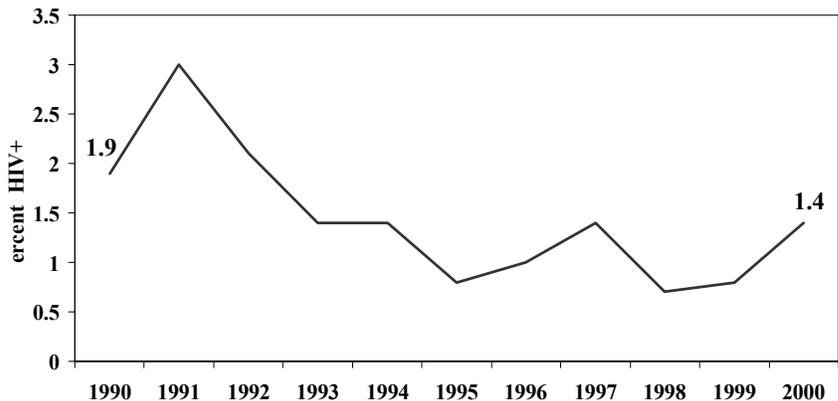
The smaller sample size (51 positive tests out of 1,753 testers) makes detailed analysis challenging. Regional analysis was restricted to the Central region for this reason (appendix, *Table 27*). Young African American MSM in the Central region had the highest HIV infection rate, 10%; Hispanic was second at 3.0% and whites at 2.9%.

IDU

Although IDU is a high-risk behavior for HIV infection, rates for this group have remained low in recent years. The highest rate, 3.0%, occurred in 1991 (*Figure 17*). Since then the rate has fluctuated but remained close to 1.0%. The rate of HIV infection was 1.4% in 2000 but was not calculated for 2001 because there were only 2 positive IDU, based on a new risk classification. It appears that only about a fifth of the usual number of IDU tested in 2001 (265 versus 1,326) because the HCT form changed and counselors were instructed to ask about risk behaviors in a different way. Instead of asking if clients had ever used injection drugs, they were instructed to ask if that behavior occurred in the last 2 years or since the last testing visit. Thus, persons with a history of IDU but no recent drug injection will be classified in other risk categories.

Figure 17

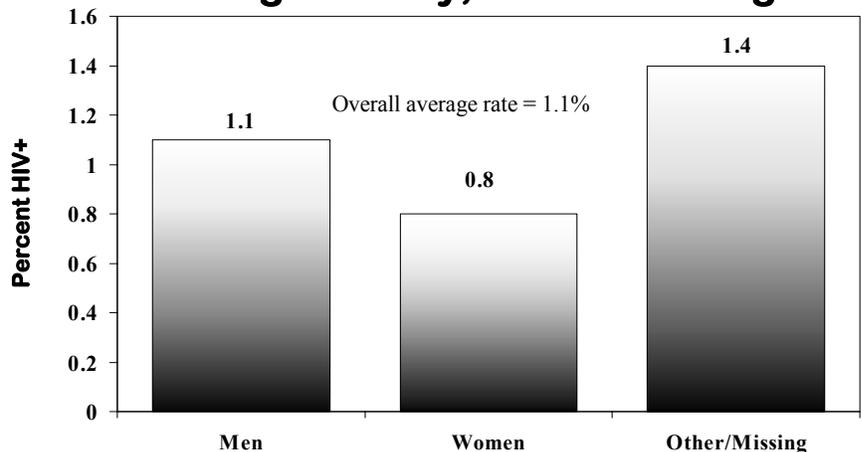
**Anonymous HIV Testing
Intravenous Drug User (IDU)
Percent Testing HIV+
San Diego County, 1990-2000***



*Only two positive tests in 2001; no rate calculated

Figure 18

**Anonymous HIV Testing
Intravenous Drug User (IDU)
Percent HIV+ by Gender*
San Diego County, 1996-2001 Avg.**



*Transgender was not captured until 1997; in this analysis all transgender or missing are grouped together.

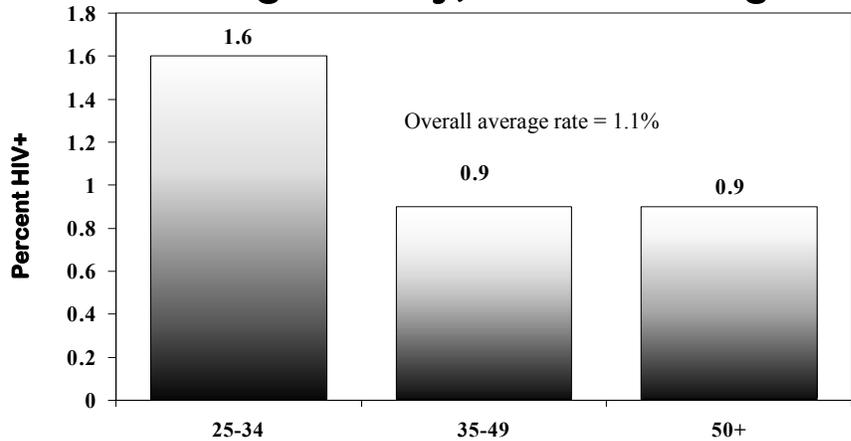
Gender

By gender, IDU have slightly higher rates for men than women, 1.1% versus 0.8% (*Figure 18*). However the highest rates were for those tests missing gender or transgender, at 1.4%.

Age Group

Testers ages 25-34 had the highest HIV infection rate at 1.6%, with the 35-49 and 50+ age groups following at 0.9% (Figure 20). No rates could be calculated for the under 15, 15-19 and 20-24 age groups due to less than 5 positives in each group.

Figure 20
**Anonymous HIV Testing
Intravenous Drug User (IDU)
Percent HIV+ by Age Group*
San Diego County, 1996-2001 Avg.**

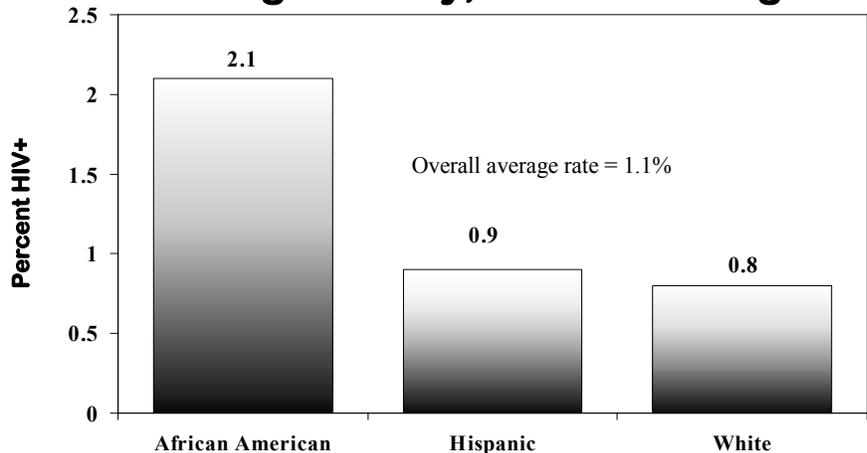


*No rates were calculated for Under 15, 15-19 and 20-24 due to too few events.

Race/Ethnicity

Similar to the overall trend, rates of HIV infection for IDU were highest among African Americans at 2.1%, with Hispanic and white rates similar at 0.9% and 0.8% respectively (Figure 19). Asian/PI and American Indian/AN had too few positives to calculate a rate.

Figure 19
**Anonymous HIV Testing
Intravenous Drug User (IDU)
Percent HIV+ by Race/Ethnicity*
San Diego County, 1996-2001 Avg.**

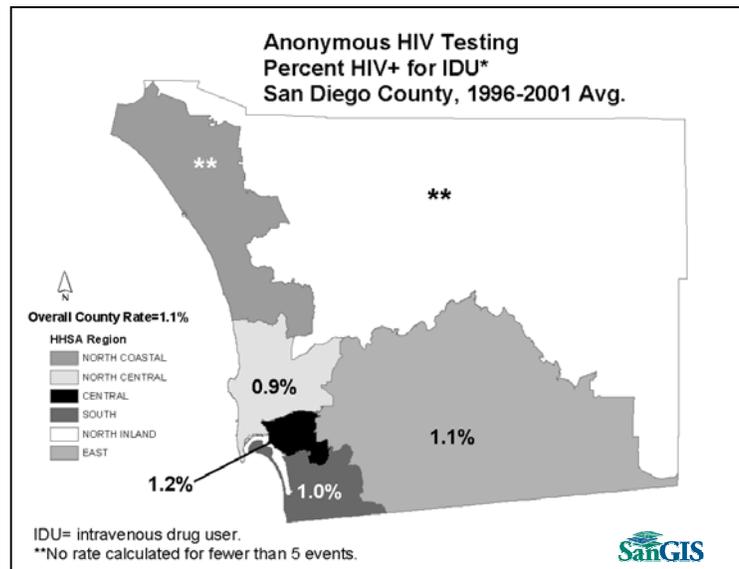


*No rates were calculated for Asian/PI and American Indian/AN due to too few events.

Geographic Area

Where rates can be calculated, they are similar between regions. No rates could be calculated for North Central or North Inland (Figure 21).

Figure 21



Anonymous Unlinked Seroprevalence Data

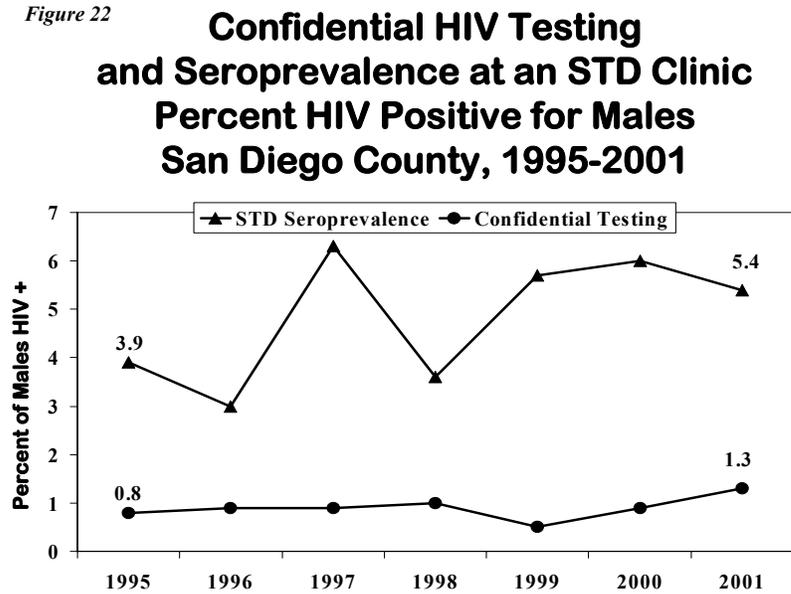
Anonymous unlinked serosurveys began in the late 1980s in clinical settings to identify populations at an increased risk of being HIV infected so that HIV counseling and testing services could be utilized efficiently. At many STD clinics, clients are offered confidential HIV tests, and some consent while others decline or are not offered an HIV test (about half and half). Samples are taken from the blood remaining after the syphilis test and identifying patient information is removed. Serosurvey samples are taken consecutively during a 1-3 month period each year at the main STD clinic in San Diego. Initial comparisons in STD clinics showed that HIV seroprevalence was usually about 1.5 – 2.0 times greater than confidential tests (CT) at the same STD clinic. Recent local trends were examined for the years 1995-2001 and results follow.

Gender

The CT data showed an HIV infection rate of 0.8% (n=2,172) for men in 1995, and a seroprevalence rate of 3.9% (n=352) in the same year (Figure 22). During the year 2001, the CT HIV infection rate was 1.3% (n=2,179) with a blinded seroprevalence rate of 5.4% (n=353). Unlike men, women tested through the seroprevalence study had similar HIV infection rates to rates for women tested through CT (data not shown).

The discrepancy between these two sources of HIV estimates for men suggest that those male clients who know or suspect they are HIV positive are choosing not to be tested in the STD clinic setting. If they have already tested

Figure 22



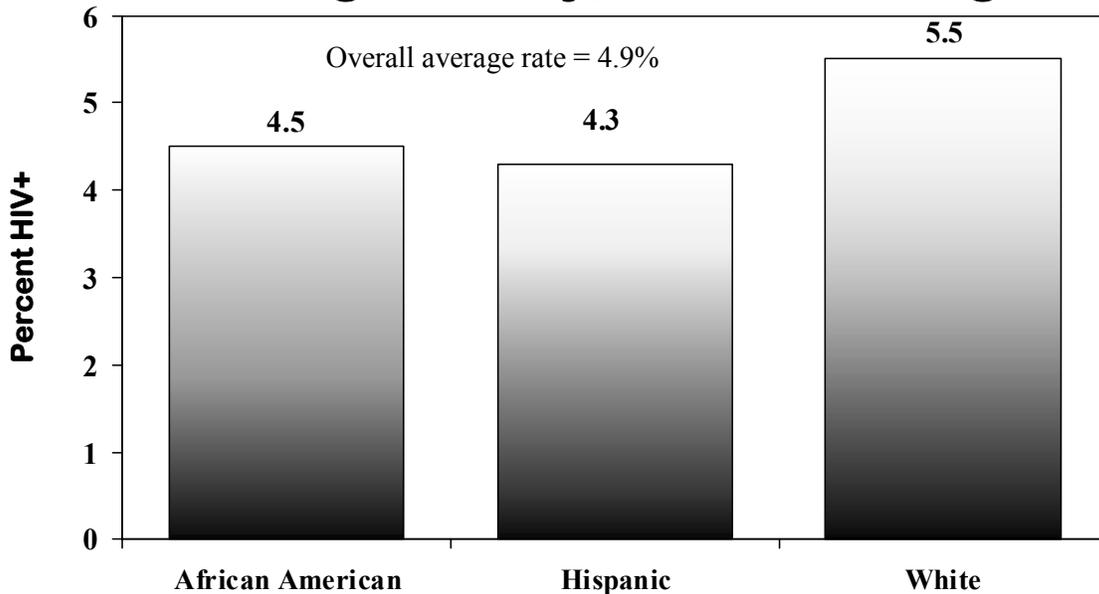
HIV+, there is no reason to test again. The same behaviors that put them at risk of an STD, put their partners at risk for HIV.

Race/Ethnicity for Men

About 300 blood samples from men are tested each year in the serosurvey. Of those between 10 and 20 are HIV+ (in the last 5 years). To allow for analysis by race/ethnicity, data for 1996 through 2000 (no data by race available in 2001) were averaged. As shown in *Figure 23*, White men had the highest rates of HIV infection (5.5%), followed by African American (4.5%), and Hispanic (4.3%). This appears to be different from the trend in HCT data (showing whites to have lower rates than African American or Hispanics) yet is similar to statewide seroprevalence data by race/ethnicity.

Figure 23

**HIV Seroprevalence Among Men
Attending an STD Clinic
Percent HIV+ by Race/Ethnicity
San Diego County, 1996-2000 Avg.**



Other race/ethnicities had too few positives to calculate a rate (<5).

Conclusion

Overall Trends

- HCT data reveal that the groups with the highest HIV infection rates showed substantial declines in rates from 1990 to 1992, including African American and Hispanic men
- From 1992 to 2000 the rates of most groups have declined only slightly or stabilized
- From 2000 to 2001, rates have increased for certain groups: men, those ages 25-34, and testers from the Central region, while the rates fell for women
- Men have much higher rates than women
- The age groups with the highest rates are 25-34 and 35-49
- Youth ages 13-19 have low rates of HIV infection, and those who are HIV positive are almost all young men who have male partners
- African American and Hispanic men and women continue to have higher rates than other race/ethnicities
- Central San Diego has the highest rate in the county
- Among men, risk groups with the highest rates of infection are Gay/Bi IDU, MSM and Bisexual

First Time and Repeat Testers

- Except for IDU and the MSM group, in recent years most groups show little to no difference in HIV infection rates between first time and repeat testers
- Men had a higher rate among first time testers from 1990-1992 and again in 2001; women had no differences between groups
- Age groups showed consistent differences in time, with younger age groups having higher rates for repeat testers and older age groups having higher rates for first time testers
- The MSM group showed a large difference in rates up to 1999, with first time testers having much higher rates than repeat testers
- The difference in the rate between first time testers and repeat testers increased in 2001 for the MSM group

High Risk Populations

- The rate for the MSM group declined sharply from 1985 to 1992 and very slightly since, with an increase in 2001
- The age groups with the highest rates are 25-34 and 35-49
- African American and Hispanic MSM have higher rates than other race/ethnicities
- Central San Diego has the highest rate in the county
- Patterns in rates for young MSM are similar to adult MSM (including an increase in the rate from 2000 to 2001)
- IDU have fairly low rates of HIV infection (~1.0%), with rates that are similar by gender and region, are higher for African Americans and those IDU ages 25-34

Anonymous Unlinked Seroprevalence

- Men who don't get a HIV test at the main STD clinic are much more likely to be HIV positive than those who accept a confidential HIV test

Appendix

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HIV TESTING CLINICS
ANONYMOUS & CONFIDENTIAL SITES*

CLINIC	SITE	PHONE & FAX	HOURS
Health & Human Services Agency (Fifth Avenue) 3028 Fifth Avenue San Diego, CA 92103	512	Phone: (619) 296-2120 Room 1 x138 Room 2 x139 Room 3 x202 Room 4 x203 Room 5 x204 Fax: (619) 296-1803	Anonymous: Monday, Tuesday, Thursday 7:30 a.m.- 4:00 p.m. Wednesday 7:30 a.m.- 6:30 p.m. Friday 11:00 a.m.- 4:00 p.m.
Central Region Public Health Center (East San Diego Health Center) 5202 University Ave. San Diego, CA 92105	516	Phone: (619) 229-5400 Counseling Room x5406 Fax: (619) 229-5439	Anonymous: Tuesday 1:00 p.m.- 7:30 p.m. Friday 11:00 p.m.- 4:00 p.m.
East Region Public Health Center (El Cajon) 855 East Madison Ave. El Cajon, CA 92020	517	Phone: (619) 441-6500 Fax: (619) 441-6532	Anonymous: Thursday 8:00 a.m.- 11:30 a.m. 1:00 p.m.- 4:00 p.m.
Lesbian & Gay Men's Center (Hillcrest) 2313 El Cajon Blvd. San Diego, CA 92103	001	Phone: (619) 260-6380 Fax: (619) 718-6447	Anonymous: Tuesday 10:00 a.m.- 11:30 p.m. 1:00 p.m.- 6:30 p.m. Friday 12:00 p.m.- 3:30 p.m.
North Central Public Health Center (North San Diego Health Center) 2440 Grand Ave. San Diego, CA 92109	513	Phone: (858) 490-4400 Fax: (858) 581-4305	Anonymous: Thursday 1:00 p.m.- 6:30 p.m.
North Coastal Public Health Center (Oceanside) 104 South Barnes St. Oceanside, CA 92054	514	Phone: (760) 967-4401 Fax: (760) 967-4644	Anonymous: Monday 1:00 p.m.- 6:30 p.m. Confidential: Wednesday 2:00 p.m.- 7:30 p.m.
County Health Services Complex (Rosecrans) 3851 Rosecrans St. San Diego, CA 92110	510	Phone: (619) 692-8550 Counseling Rooms x6621 & x6622 Fax: (619) 692-5650	Confidential: Monday- Thursday 7:30 a.m.- 4:00 p.m. Friday 10:30 a.m.- 4:00 p.m.
S.E.A.R. Counseling Health Center (47th) 324 N. 47 th St. San Diego, CA 92102	019	Phone: (619) 264-7351 Fax: (619) 264-3540	Anonymous: Wednesday 2:30 p.m.- 6:30 p.m.
South Region Public Health Center (South Bay) 690 Oxford St. Chula Vista, CA 91911	518	Phone: (619) 409-3110 Fax: (619) 691-4616	Anonymous: Monday 11:30 a.m.- 4:00 p.m. Confidential: Thursday 1:00 p.m.- 6:00 p.m.

HIV TESTING CLINICS
ANONYMOUS & CONFIDENTIAL SITES (con't)

CLINIC	SITE	PHONE & FAX	HOURS
Mobile Van 1700 Pacific Highway San Diego, CA 92101	032	Mobile Van Phone: (619) 341-2853 Jose's cell: (619) 341-0384 Jose's Room: X140	Anonymous: Various Events/ Hours
McAlister House 2049 Skyline Dr. Lemon Grove, CA 91945	040	Phone: (619) 465-2005 Fax: (619) 442-1101	Anonymous: Tuesday 9:00 a.m.- 11:00 a.m.
PCRS	555	Phone: (619) 515-6611	
Cal State San Marcos San Marcos, CA 92096	042	Phone: (760) 750-4921 Fax: (760) 750-3181	Anonymous: 11:00 a.m.- 2:00 p.m.
Juvenile Hall 2801 Meadowlark Dr. San Diego, CA 92123	041	Phone: (858) 694-4500 Fax: (858) 694-4333	Anonymous/ Confidential: Thursday 9:00 a.m.- 12:00 p.m.
Mobile Teen !809 National Ave. San Diego, CA 92102	027	Phone: (619) 515-2314 Fax: (619) 895-8121	Confidential: Tuesday/Thursday 6:00 p.m.-10:00 p.m.
San Ysidro Health Clinic 4004 Beyer Blvd. San Ysidro, CA 92173	021	Phone: (619) 662-4161 Fax: (619) 662-4109	Anonymous Friday 9:30 a.m.-4:30 p.m.
Mira Costa College 1 Barnard Dr. Oceanside, CA 92056	015	Phone: (760) 795-6676	Confidential: 10:00 a.m.- 2:00 p.m.
Family Health Center	045		

*Several sites are not included here since their tests were not included in the HCT database.

Rev. 09/20/2002

Table 1

HIV Counseling and Testing Services Number and Percent HIV+, All Testers San Diego County, 1985-2001			
Year	All Testers		
	No. HIV+ Tests	No. Testers	Percent HIV+
1985	395	2,118	18.6%
1986	237	2,888	8.2%
1987	1,006	13,012	7.7%
1988	678	11,451	5.9%
1989	538	9,682	5.6%
1990	542	17,428	3.1%
1991	482	25,565	1.9%
1992	321	28,826	1.1%
1993	242	19,111	1.3%
1994	215	15,456	1.4%
1995	232	17,563	1.3%
1996	204	17,208	1.2%
1997	241	16,730	1.4%
1998	170	15,836	1.1%
1999	175	17,351	1.0%
2000	177	17,156	1.0%
2001	212	17,077	1.2%

Table 2

Anonymous HIV Counseling and Testing Services Number and Percent HIV+ San Diego County, 1990-2001			
Year	All Testers		
	No. HIV+ Tests	No. Testers	Percent HIV+
1990	519	11,078	4.7%
1991	465	18,203	2.6%
1992	310	19,189	1.6%
1993	225	14,501	1.6%
1994	184	11,946	1.5%
1995	207	12,589	1.6%
1996	176	12,710	1.4%
1997	216	12,107	1.8%
1998	144	10,274	1.4%
1999	158	12,262	1.3%
2000	151	11,856	1.3%
2001	174	10,772	1.6%

Table 3

Anonymous HIV Counseling and Testing Services																		
Number and Percent HIV Positive by Gender																		
San Diego County, 1990-1995																		
	1990			1991			1992			1993			1994			1995		
Gender	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
Male	492	7314	6.7	431	11,683	3.7	280	11,285	2.5	212	8,675	2.4	171	7,283	2.3	180	7,642	2.4
Female	26	3,718	0.7	34	6,497	0.5	28	7,790	0.4	13	5,813	0.2	13	4,649	0.3	25	4,935	0.5
Pregnant Female																		
Male to Female Transgender																		
Female to Male Transgender																		
Missing	1	46	*	0	23	*	2	114	*	0	13	*	0	14	*	2	12	*
Total*	519	11,078	4.7	465	18,203	2.6	310	19,189	1.6	225	14,501	1.6	184	11,946	1.5	207	12,589	1.6

Anonymous HIV Counseling and Testing Services																		
Number and Percent HIV Positive by Gender																		
San Diego County, 1996-2001																		
	1996			1997 ^a			1998			1999			2000			2001		
Gender	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
Male	158	7,514	2.1	198	7,587	2.6	123	6,471	1.9	140	7,930	1.8	120	7,435	1.6	165	7,074	2.3
Female	18	5,193	0.3	16	4,456	0.4	20	3,720	0.5	17	4,208	0.4	30	4,308	0.7	6	3,590	0.2
Pregnant Female				1	50	*	0	59	*	0	92	*	0	68	*	0	33	*
Male to Female Transgender				1	4	*	1	13	*	1	12	*	1	13	*	3	13	*
Female to Male Transgender				0	1	*	0	3	*	0	6	*	0	3	*	0	3	*
Missing	0	3	*	0	9	*	0	8	*	0	14	*	0	29	*	0	59	*
Total	176	12,710	1.4	216	12,107	1.8	144	10,274	1.4	158	12,262	1.3	151	11,856	1.3	174	10,772	1.6

County of San Diego, HHSA, Community Epidemiology
 No percentages are calculated for fewer than 5 events.

^a A new form and database (HIV4) started July 1997, capturing data about pregnant females and transgender populations. 1997 contains only half a year of data for pregnant females and transgender.

Table 4

Anonymous HIV Counseling and Testing Services Number and Percent HIV Positive by Age Group San Diego County, 1990-1995																		
	1990			1991			1992			1993			1994			1995		
Age Group	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
Under 15	3	47	*	0	55	*	2	67	*	1	47	*	1	30	*	1	47	*
15-19	4	421	*	3	907	*	0	983	*	2	805	*	0	543	*	1	666	*
20-24	76	1,697	4.5	65	3,148	2.1	32	3,421	0.9	36	2,605	1.4	25	2,060	1.2	18	2,057	0.9
25-34	277	4,469	6.2	242	7,020	3.4	171	7,286	2.3	97	5,363	1.8	103	4,395	2.3	103	4,629	2.2
35-49	145	3,446	4.2	139	5,475	2.5	95	5,677	1.7	71	4,391	1.6	48	3,748	1.3	72	4,041	1.8
50+	14	998	1.4	16	1,598	1.0	10	1,755	0.6	18	1,290	1.4	7	1,170	0.6	12	1,149	1.0
Unknown/Missing	0	0	*	0	0	*	0	0	*	0	0	*	0	0	*	0	0	*
Total	519	11,078	4.7	465	18,203	2.6	310	19,189	1.6	225	14,501	1.6	184	11,946	1.5	207	12,589	1.6

Anonymous HIV Counseling and Testing Services Number and Percent HIV Positive by Age Group San Diego County, 1996-2001																		
	1996			1997			1998			1999			2000			2001		
Age Group	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
Under 15	1	36	*	0	36	*	0	26	*	0	26	*	0	42	*	0	54	*
15-19	3	857	*	4	831	*	2	643	*	3	821	*	2	1,028	*	2	927	*
20-24	9	2,089	0.4	12	1,813	0.7	9	1,538	0.6	18	1,576	1.1	12	1,666	0.7	19	1,605	1.2
25-34	100	4,356	2.3	107	3,965	2.7	68	3,368	2.0	69	3,638	1.9	47	3,374	1.4	83	2,830	2.9
35-49	56	4,168	1.3	79	4,205	1.9	55	3,606	1.5	62	4,759	1.3	78	4,366	1.8	53	3,574	1.5
50+	7	1,203	0.6	14	1,256	1.1	10	1,091	0.9	6	1,439	0.4	12	1,376	0.9	6	1,246	0.5
Unknown/Missing	0	1	*	0	1	*	0	2	*	0	3	*	0	4	*	11	536	2.1
Total	176	12,710	1.4	216	12,107	1.8	144	10,274	1.4	158	12,262	1.3	151	11,856	1.3	174	10,772	1.6

County of San Diego, HHSA, Community Epidemiology
No percentages are calculated for fewer than 5 events.

Table 5

Anonymous HIV Counseling and Testing Services																		
Number and Percent HIV Positive by Race/Ethnicity																		
San Diego County, 1990-1995																		
	1990			1991			1992			1993			1994			1995		
Race/Ethnicity	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
African American	65	719	9.0	49	1,220	4.0	28	1,181	2.4	29	881	3.3	37	1,072	3.5	37	1,224	3.0
American Indian/Alaskan Native	1	36	*	0	69	*	0	67	*	3	56	*	1	63	*	0	72	*
Asian/Pacific Islander	10	318	3.1	8	682	1.2	1	797	*	9	677	1.3	6	557	1.1	9	561	1.6
Hispanic	73	1,164	6.3	83	2,046	4.1	84	2,394	3.5	53	2,107	2.5	37	1,873	2.0	58	2,391	2.4
White	362	8,749	4.1	325	14,081	2.3	195	14,528	1.3	126	10,617	1.2	97	8,176	1.2	97	8,127	1.2
Other	4	46	*	0	67	*	1	157	*	1	123	*	4	113	*	2	177	*
Missing	4	46	*	0	38	*	1	66	*	4	40	*	2	92	*	4	37	*
Total	519	11,078	4.7	465	18,203	2.6	310	19,189	1.6	225	14,501	1.6	184	11,946	1.5	207	12,589	1.6

Anonymous HIV Counseling and Testing Services																		
Number and Percent HIV Positive by Race/Ethnicity																		
San Diego County, 1996-2001																		
	1996			1997			1998			1999			2000			2001		
Race/Ethnicity	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
African American	35	1,392	2.5	57	1,819	3.1	29	1,314	2.2	48	2,266	2.1	40	2,200	1.8	28	1,548	1.8
American Indian/Alaskan Native	1	76	*	1	92	*	1	59	*	2	133	*	0	118	*	1	101	*
Asian/Pacific Islander	7	664	1.1	6	570	1.1	6	494	1.2	5	447	1.1	5	494	1.0	7	584	1.2
Hispanic	44	2,439	1.8	54	2,637	2.0	44	1,893	2.3	46	2,773	1.7	46	3,076	1.5	76	3,116	2.4
White	86	7,843	1.1	95	6,716	1.4	60	6,214	1.0	55	6,457	0.9	58	5,695	1.0	60	5,123	1.2
Other	1	286	*	3	272	*	4	268	*	2	185	*	1	216	*	1	195	*
Missing	2	10	*	0	1	*	0	32	*	0	1	*	1	57	*	1	105	*
Total	176	12,710	1.4	216	12,107	1.8	144	10,274	1.4	158	12,262	1.3	151	11,856	1.3	174	10,772	1.6

County of San Diego, HHS, Community Epidemiology
 No percentages are calculated for fewer than 5 events.

Table 6

**Anonymous HIV Counseling and Testing Services
Number and Percent HIV Positive by HHSA Region
San Diego County, 1990-1995**

Region	1990			1991			1992			1993			1994			1995		
	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
North Coastal	21	824	2.5	34	1,253	2.7	14	1,290	1.1	8	872	0.9	3	806	*	8	809	1.0
North Inland	18	683	2.6	12	1,066	1.1	10	1,208	0.8	10	648	1.5	7	521	1.3	3	542	*
North Central	70	2,732	2.6	58	5,023	1.2	36	5,794	0.6	26	4,544	0.6	15	3,517	0.4	22	3,591	0.6
Central	323	4,216	7.7	284	6,527	4.4	177	5,925	3.0	142	4,664	3.0	125	4,077	3.1	137	4,271	3.2
East	28	1,066	2.6	30	2,273	1.3	26	2,524	1.0	13	1,912	0.7	10	1,611	0.6	6	1,658	0.4
South	21	760	2.8	25	1,438	1.7	26	1,859	1.4	13	1,458	0.9	12	1,090	1.1	24	1,359	1.8
Unknown/Missing	38	797	4.8	22	623	3.5	21	589	3.6	13	403	3.2	12	324	3.7	7	359	1.9
Total	519	11,078	4.7	465	18,203	2.6	310	19,189	1.6	225	14,501	1.6	184	11,946	1.5	207	12,589	1.6

**Anonymous HIV Counseling and Testing Services
Number and Percent HIV Positive by HHSA Region
San Diego County, 1996-2001**

Region	1996			1997			1998			1999			2000			2001		
	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
North Coastal	3	907	*	8	758	1.1	5	740	0.7	6	748	0.8	2	516	*	7	552	1.3
North Inland	3	540	*	2	427	*	2	374	*	1	283	*	1	311	*	1	361	*
North Central	21	3,386	0.6	15	2,702	0.6	15	2,415	0.6	14	2,208	0.6	11	2,048	0.5	15	1,909	0.8
Central	111	4,397	2.5	149	5,267	2.8	91	4,275	2.1	112	6,407	1.7	98	5,729	1.7	116	4,999	2.3
East	11	1,688	0.7	7	1,394	0.5	6	1,259	0.5	9	1,085	0.8	9	1,190	0.8	7	831	0.8
South	21	1,413	1.5	20	1,248	1.6	12	942	1.3	10	1,278	0.8	25	1,753	1.4	22	1,730	1.3
Unknown/Missing	6	379	1.6	15	311	4.8	13	269	4.8	6	253	2.4	5	309	1.6	6	390	1.5
Total	176	12,710	1.4	216	12,107	1.8	144	10,274	1.4	158	12,262	1.3	151	11,856	1.3	174	10,772	1.6

County of San Diego, HHSA, Community Epidemiology
No percentages are calculated for fewer than 5 events.

Table 7

Anonymous HIV Counseling and Testing Services Number and Percent HIV Positive by Risk Group San Diego County, 1990-1994																		
Risk Group	1990			1991			1992			1993			1994			1995		
	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
MSM	355	2,831	12.5	300	3,901	7.7	191	3,163	6.0	143	2,510	5.7	90	1,932	4.7	100	1,908	5.2
Bisexual	54	589	9.2	48	882	5.4	39	670	5.8	25	514	4.9	23	549	4.2	31	701	4.4
IDU	15	799	1.9	30	998	3.0	22	1,031	2.1	8	567	1.4	10	738	1.4	8	953	0.8
Gay/Bi IDU	29	139	20.9	27	167	16.2	13	146	8.9	12	95	12.6	24	112	21.4	13	160	8.1
HIV+ Partner	9	151	6.0	11	205	5.4	7	182	3.8	2	154	*	4	196	*	12	267	4.5
Partner Bisexual	1	146	*	1	254	*	2	192	*	0	134	*	0	106	*	0	140	*
IDU Partner	2	384	*	6	683	0.9	2	629	*	2	442	*	2	356	*	6	404	1.5
Sex for Drugs/Money	2	201	*	3	373	*	0	218	*	0	92	*	0	95	*	0	97	*
Blood transfusion <1985	2	216	*	3	337	*	2	400	*	2	217	*	2	128	*	2	100	*
Multiple partners	21	2,758	0.8	14	5,314	0.3	14	6,768	0.2	13	5,237	0.2	13	4,072	0.3	15	4,194	0.4
Partners with multiple partners	8	1,250	0.6	9	1,866	0.5	6	2,175	0.3	6	1,701	0.4	5	1,368	0.4	6	1,519	0.4
Occupational exposure	0	177	*	2	376	*	1	414	*	0	282	*	0	178	*	0	93	*
Child at risk	0	0	*	0	0	*	0	0	*	0	0	*	0	0	*	0	0	*
No reported risk	15	1,304	1.2	9	2,541	0.4	7	2,814	0.2	7	2,391	0.3	6	1,938	0.3	10	2,016	0.5
Other/Unknown	6	133	4.5	2	306	*	4	387	*	5	165	3.0	5	178	2.8	4	37	*
Total	519	11,078	4.7	465	18,203	2.6	310	19,189	1.6	225	14,501	1.6	184	11,946	1.5	207	12,589	1.6

Anonymous HIV Counseling and Testing Services Number and Percent HIV Positive by Risk Group San Diego County, 1995-2001																		
Risk Group	1996			1997			1998			1999			2000			2001		
	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
MSM	81	1,354	6.0	93	1,384	6.7	69	1,664	4.1	77	1,752	4.4	67	1,807	3.7	112	2,488	4.5
Bisexual	32	781	4.1	43	777	5.5	17	456	3.7	8	532	1.5	8	599	1.3	18	482	3.7
IDU	11	1,068	1.0	17	1,214	1.4	9	1,205	0.7	13	1,587	0.8	18	1,326	1.4	2	265	*
Gay/Bi IDU	13	233	5.6	11	218	5.0	12	165	7.3	10	177	5.6	3	142	*	4	46	*
HIV+ Partner	9	245	3.7	9	254	3.5	6	200	3.0	5	191	*	7	172	4.1	2	158	*
Partner Bisexual	0	130	*	1	164	*	0	156	*	0	157	*	0	150	*	0	89	*
IDU Partner	3	422	*	3	479	*	4	379	*	5	547	0.9	8	520	1.5	2	417	*
Sex for Drugs/Money	2	417	*	5	612	0.8	0	50	*	1	135	*	2	106	*	0	64	*
Blood transfusion <1985	1	99	*	2	37	*	0	25	*	0	24	*	0	0	*	0	45	*
Multiple partners	11	4,120	0.3	12	3,518	0.3	13	3,341	0.4	16	3,673	0.4	18	3,541	0.5	17	3,761	0.5
Partners with multiple partners	3	1,797	*	4	1,411	*	8	1,447	0.6	13	1,766	0.7	8	2,217	0.4			
Occupational exposure	0	110	*	0	62	*	0	32	*	0	44	*	2	34	*	0	34	*
Child at risk	0	2	*	0	0	*	0	0	*	0	0	*	0	0	*	0	0	*
No reported risk	9	1,870	0.5	16	1,942	0.8	6	1,136	0.5	9	1,653	0.5	7	1,200	0.6	16	2,877	0.6
Unknown	1	62	*	0	35	*	0	18	*	1	24	*	3	42	*	1	46	*
Total	176	12,710	1.4	216	12,107	1.8	144	10,274	1.4	158	12,262	1.3	151	11,856	1.3	174	10,772	1.6

County of San Diego, HHS, Community Epidemiology
No percentages are calculated for fewer than 5 events.

In 2001, Partners with Multiple Partners ceased to be a risk category. The majority of these would now be captured in No Reported Risk. Also, the questions on injection drug use changed from asking if the behavior had ever occurred to if it occurred in the last two years or since the last testing visit.

Table 8

Anonymous HIV Counseling and Testing Percent HIV+ for Women by Race/Ethnicity San Diego County, 1992-1996, 1997-2001						
Race/Ethnicity	1992-1996			1997-2001		
	No. HIV+	No. Testers	Percent HIV+	No. HIV+	No. Testers	Percent HIV+
African American	23	2,291	1.0	19	2,475	0.8
American Indian/AN	0	149	*	3	160	*
Asian/PI	8	1,505	0.5	1	901	*
Hispanic	24	4,173	0.6	15	4,177	0.4
White	37	19,570	0.2	22	8,227	0.3
Other	3	337	*	0	307	*
Missing	2	40	*	0	45	*
Total	97	28,065	0.3	60	16,292	0.4

* No rates calculated for fewer than 5 events.

Table 9

Anonymous HIV Counseling and Testing Percent HIV+ for Males Ages 13-19 San Diego County, 1990-1995, 1996-2001						
Risk Group	1990-1995			1996-2001		
	No. HIV+	No. Testers	Percent HIV+	No. HIV+	No. Testers	Percent HIV+
MSM	7	247	2.8	7	263	2.7
Bisexual	0	95	*	2	132	*
Multiple Partners	0	822	*	2	853	*
IDU	0	47	*	0	76	*
No Reported Risk	0	307	*	1	224	*
Other Risk Groups	0	289	*	0	425	*
Total	7	1,807	0.4	12	1,973	0.6

* No rates calculated for fewer than 5 events.

Table 10

Anonymous HIV Counseling and Testing
Percent HIV Positive by HHS Region and Gender
San Diego County, 1990-1995

HHS Region			Test Result			Total	Rate
			Positive	Negative	Inconclusive		
North Coastal Region	Gender	Male	78	3,294	4	3,376	2.3
		Female	10	2,353	4	2,367	0.4
		Missing	0	17	0	17	*
	Total		88	5,664	8	5,760	1.5
North Inland Region	Gender	Male	52	2,589	7	2,648	2.0
		Female	8	1,949	5	1,962	0.4
		Missing	0	5	0	5	*
	Total		60	4,543	12	4,615	1.3
North Central Region	Gender	Male	200	14,005	22	14,227	1.4
		Female	27	10,629	16	10,672	0.3
		Missing	0	47	0	47	*
	Total		227	24,681	38	24,946	0.9
Central Region	Gender	Male	1,127	19,321	46	20,494	5.5
		Female	61	8,676	13	8,750	0.7
		Missing	0	50	0	50	*
	Total		1,188	28,047	59	29,294	4.1
East Region	Gender	Male	94	5,732	9	5,835	1.6
		Female	18	5,055	8	5,081	0.4
		Missing	1	15	0	16	*
	Total		113	10,802	17	10,932	1.0
South Region	Gender	Male	113	4,407	8	4,528	2.5
		Female	8	3,289	5	3,302	0.2
		Missing	0	21	0	21	*
	Total		121	7,717	13	7,851	1.5
Unknown	Gender	Male	102	1,900	6	2,008	5.1
		Female	7	862	2	871	0.8
		Missing	4	24	0	28	*
	Total		113	2,786	8	2,907	3.9
County Overall			1,910	84,240	155	86,305	2.2

* No rate calculated for fewer than 5 events.

Table 11

**Anonymous HIV Counseling and Testing
Percent HIV Positive by HHS Region and Gender
San Diego County, 1996-2001**

HHS Region			Test Result			Total	Rate
			Positive	Negative	Inconclusive		
North Coastal Region	Gender	Male	27	2,195	0	2,222	1.2
		Female	2	1,482	0	1,484	*
		Missing	2	513	0	515	*
	Total		31	4,190	0	4,221	0.7
North Inland Region	Gender	Male	7	1,224	0	1,231	0.6
		Female	2	749	1	752	*
		Missing	1	312	0	313	*
	Total		10	2,285	1	2,296	0.4
North Central Region	Gender	Male	74	7,394	3	7,471	1.0
		Female	6	5,135	3	5,144	0.1
		Missing	11	2,042	0	2,053	0.5
	Total		91	14,571	6	14,668	0.6
Central Region	Gender	Male	540	16,940	17	17,497	3.1
		Female	40	7,825	4	7,869	0.5
		Missing	97	5,608	3	5,708	1.7
	Total		677	30,373	24	31,074	2.2
East Region	Gender	Male	29	3,310	5	3,344	0.9
		Female	11	2,904	2	2,917	0.4
		Missing	9	1,176	1	1,186	0.8
	Total		49	7,390	8	7,447	0.7
South Region	Gender	Male	72	3,726	3	3,801	1.9
		Female	13	2,799	1	2,813	0.5
		Missing	25	1,724	1	1,750	1.4
	Total		110	8,249	5	8,364	1.3
Unknown	Gender	Male	42	1,023	0	1,065	3.9
		Female	4	502	0	506	*
		Missing	5	335	0	340	1.5
	Total		51	1,860	0	1,911	2.7
County Overall			1,019	68,918	44	69,981	1.5

* No rate calculated for fewer than 5 events.

Table 12

**Anonymous HIV Counseling and Testing
Percent HIV Positive by HHSA Region and Age Group
San Diego County, 1990-1995**

HHSA Region				Test Result			Total	Rate
		Positive	Negative	Inconclusive				
North Coastal Region	Age Group	Under 15	0	10	0	10	*	
		15-19	0	242	2	244	*	
		20-24	12	831	0	843	1.4	
		25-34	43	1,873	3	1,919	2.2	
		35-49	27	2,082	2	2,111	1.3	
		50+	6	626	1	633	0.9	
		Total	88	5,664	8	5,760	1.5	
North Inland Region	Age Group	Under 15	0	4	0	4	*	
		15-19	1	231	1	233	*	
		20-24	9	653	1	663	1.4	
		25-34	35	1,546	5	1,586	2.2	
		35-49	14	1,580	4	1,598	0.9	
		50+	1	529	1	531	*	
		Total	60	4,543	12	4,615	1.3	
North Central Region	Age Group	Under 15	1	46	0	47	*	
		15-19	1	1,505	5	1,511	*	
		20-24	28	5,117	4	5,149	0.5	
		25-34	118	9,122	17	9,257	1.3	
		35-49	67	6,827	9	6,903	1.0	
		50+	12	2,064	3	2,079	0.6	
		Total	227	24,681	38	24,946	0.9	
Central Region	Age Group	Under 15	2	57	2	61	*	
		15-19	4	1,017	3	1,024	*	
		20-24	142	4,477	12	4,631	3.1	
		25-34	631	11,370	23	12,024	5.2	
		35-49	370	8,629	15	9,014	4.1	
		50+	39	2,497	4	2,540	1.5	
		Total	1,188	28,047	59	29,294	4.1	
East Region	Age Group	Under 15	0	44	0	44	*	
		15-19	0	577	2	579	*	
		20-24	18	1,571	2	1,591	1.1	
		25-34	52	3,884	5	3,941	1.3	
		35-49	38	3,729	7	3,774	1.0	
		50+	5	997	1	1,003	0.5	
		Total	113	10,802	17	10,932	1.0	
South Region	Age Group	Under 15	0	21	0	21	*	
		15-19	2	523	0	525	*	
		20-24	22	1,356	1	1,379	1.6	
		25-34	59	2,836	7	2,902	2.0	
		35-49	31	2,187	4	2,222	1.4	
		50+	7	794	1	802	0.9	
		Total	121	7,717	13	7,851	1.5	
Unknown	Age Group	Under 15	5	23	0	28	17.9	
		15-19	2	135	0	137	*	
		20-24	21	501	1	523	4.0	
		25-34	55	1,057	1	1,113	4.9	
		35-49	23	801	5	829	2.8	
		50+	7	269	1	277	2.5	
		Total	113	2,786	8	2,907	3.9	
County Overall			1,910	84,240	155	86,305	2.2	

* No rate calculated for fewer than 5 events.

Table 13

**Anonymous HIV Counseling and Testing
Percent HIV Positive by HHSA Region and Age Group
San Diego County, 1996-2001**

HHSA Region	Age Group		Test Result			Total	Rate
			Positive	Negative	Inconclusive		
North Coastal Region	Under 15		0	12	0	12	*
	15-19		0	278	0	278	*
	20-24		2	650	0	652	*
	25-34		13	1,161	0	1,174	1.1
	35-49		10	1,510	0	1,520	0.7
	50+		5	542	0	547	0.9
	Unk/Missing		1	37	0	38	*
	Total		31	4,190	0	4,221	0.7
North Inland Region	Under 15		0	6	0	6	*
	15-19		0	179	0	179	*
	20-24		0	368	0	368	*
	25-34		7	652	0	659	1.1
	35-49		3	753	1	757	*
	50+		0	310	0	310	*
	Unk/Missing		0	17	0	17	*
	Total		10	2,285	1	2,296	0.4
North Central Region	Under 15		0	24	0	24	*
	15-19		0	944	0	944	*
	20-24		7	2,906	2	2,915	0.2
	25-34		41	4,908	2	4,951	0.8
	35-49		35	4,126	0	4,161	0.8
	50+		7	1,528	2	1,537	0.5
	Unk/Missing		1	135	0	136	*
	Total		91	14,571	6	14,668	0.6
Central Region	Under 15		1	101	0	102	*
	15-19		8	1,745	0	1,753	0.5
	20-24		44	3,572	6	3,622	1.2
	25-34		311	9,184	8	9,503	3.3
	35-49		273	12,119	7	12,399	2.2
	50+		32	3,433	3	3,468	0.9
	Unk/Missing		8	219	0	227	3.5
	Total		677	30,373	24	31,074	2.2
East Region	Under 15		0	27	0	27	*
	15-19		3	739	1	743	*
	20-24		4	1,055	2	1,061	*
	25-34		23	2,156	1	2,180	1.1
	35-49		15	2,651	3	2,669	0.6
	50+		3	737	1	741	*
	Unk/Missing		1	25	0	26	*
	Total		49	7,390	8	7,447	0.7
South Region	Under 15		0	44	0	44	*
	15-19		4	1,046	0	1,050	*
	20-24		15	1,349	0	1,364	1.1
	25-34		47	2,424	1	2,472	1.9
	35-49		37	2,551	2	2,590	1.4
	50+		7	790	2	799	0.9
	Unk/Missing		0	45	0	45	*
	Total		110	8,249	5	8,364	1.3
Unknown	Under 15		0	5	0	5	*
	15-19		1	159	0	160	*
	20-24		7	298	0	305	2.3
	25-34		32	560	0	592	5.4
	35-49		10	572	0	582	1.7
	50+		1	208	0	209	*
	Unk/Missing		0	58	0	58	*
	Total		51	1,860	0	1,911	2.7
County Overall			1,019	68,918	44	69,981	1.5

Table 14

**Anonymous HIV Counseling and Testing
Percent HIV Positive by HHS Region and Race/Ethnicity
San Diego County, 1990-1995**

HHS Region	Race/Ethnicity	Test Result			Total	Rate
		Positive	Negative	Inconclusive		
North Coastal Region	African American	10	219	1	230	4.3
	American Indian/AN	0	29	0	29	*
	Asian/PI	2	158	0	160	*
	Hispanic	15	564	3	582	2.6
	White	59	4,633	3	4,695	1.3
	Other		39	0	39	*
	Missing	2	22	1	25	*
Total		88	5,664	8	5,760	1.5
North Inland Region	African American	2	120	0	122	*
	American Indian/AN	0	24	0	24	*
	Asian/PI	2	237	1	240	*
	Hispanic	9	374	1	384	2.3
	White	46	3,729	10	3,785	1.2
	Other	1	48	0	49	*
	Missing		11	0	11	*
Total		60	4,543	12	4,615	1.3
North Central Region	African American	17	868	3	888	1.9
	American Indian/AN	0	75	0	75	*
	Asian/PI	10	1,176	3	1,189	0.8
	Hispanic	30	1,681	0	1,711	1.8
	White	167	20,576	30	20,773	0.8
	Other	3	272	1	276	*
	Missing	0	33	1	34	*
Total		227	24,681	38	24,946	0.9
Central Region	African American	191	3,552	8	3,751	5.1
	American Indian/AN	5	100	2	107	4.7
	Asian/PI	19	1,094	0	1,113	1.7
	Hispanic	181	4,043	11	4,235	4.3
	White	777	18,987	36	19,800	3.9
	Other	11	230	1	242	4.5
	Missing	4	41	1	46	*
Total		1,188	28,047	59	29,294	4.1
East Region	African American	6	567	0	573	1.0
	American Indian/AN	0	67	0	67	*
	Asian/PI	0	246	1	247	*
	Hispanic	21	1,051	2	1,074	2.0
	White	83	8,799	14	8,896	0.9
	Other	2	60	0	62	*
	Missing	1	12	0	13	*
Total		113	10,802	17	10,932	1.0
South Region	African American	6	428	2	436	1.4
	American Indian/AN	0	39	0	39	*
	Asian/PI	7	483	1	491	1.4
	Hispanic	79	2,969	0	3,048	2.6
	White	28	3,716	9	3,753	0.7
	Other	1	71	0	72	*
	Missing	0	11	1	12	*
Total		121	7,717	13	7,851	1.5
Unknown	African American	13	167	0	180	7.2
	American Indian/AN	0	18	0	18	*
	Asian/PI	3	79	0	82	*
	Hispanic	53	684	0	737	7.2
	White	42	1,793	8	1,843	2.3
	Other	0	31	0	31	*
	Missing	2	14	0	16	*
Total		113	2,786	8	2,907	3.9
County Overall		1,910	84,240	155	86,305	2.2

Table 15

**Anonymous HIV Counseling and Testing
Percent HIV Positive by HHS Region and Race/Ethnicity
San Diego County, 1996-2001**

HHS Region	Race/Ethnicity	Test Result			Total	Rate
		Positive	Negative	Inconclusive		
North Coastal Region	African American	7	259	0	266	2.6
	American Indian/AN	0	39	0	39	*
	Asian/PI	1	180	0	181	*
	Hispanic	5	820	0	825	0.6
	White	18	2,795	0	2,813	0.6
	Other	0	87	0	87	*
	Missing	0	10	0	10	*
Total		31	4,190	0	4,221	0.7
North Inland Region	African American	1	92	0	93	*
	American Indian/AN	0	10	0	10	*
	Asian/PI	1	195	0	196	*
	Hispanic	2	350	0	352	*
	White	5	1,581	1	1,587	0.3
	Other	1	51	0	52	*
	Missing	0	6	0	6	*
Total		10	2,285	1	2,296	0.4
North Central Region	African American	17	656	0	673	2.5
	American Indian/AN	0	68	0	68	*
	Asian/PI	8	1,024	1	1,033	0.8
	Hispanic	20	1,466	1	1,487	1.3
	White	44	10,935	4	10,983	0.4
	Other	1	384	0	385	*
	Missing	1	38	0	39	*
Total		91	14,571	6	14,668	0.6
Central Region	African American	191	7,895	5	8,091	2.4
	American Indian/AN	5	299	0	304	1.6
	Asian/PI	15	1,136	0	1,151	1.3
	Hispanic	161	6,345	6	6,512	2.5
	White	292	14,058	13	14,363	2.0
	Other	12	574	0	586	2.0
	Missing	1	66	0	67	*
Total		677	30,373	24	31,074	2.2
East Region	African American	9	669	2	680	1.3
	American Indian/AN	0	88	0	88	*
	Asian/PI	2	207	0	209	*
	Hispanic	10	1,028	1	1,039	1.0
	White	28	5,222	5	5,255	0.5
	Other	0	158	0	158	*
	Missing	0	18	0	18	*
Total		49	7,390	8	7,447	0.7
South Region	African American	7	555	1	563	1.2
	American Indian/AN	1	51	0	52	*
	Asian/PI	7	411	0	418	1.7
	Hispanic	74	4,891	2	4,967	1.5
	White	21	2,193	2	2,216	0.9
	Other	0	127	0	127	*
	Missing	0	21	0	21	*
Total		110	8,249	5	8,364	1.3
Unknown	African American	5	168	0	173	2.9
	American Indian/AN	0	18	0	18	*
	Asian/PI	2	63	0	65	*
	Hispanic	38	714	0	752	5.1
	White	6	825	0	831	0.7
	Other	0	36	0	36	*
	Missing	0	36	0	36	*
Total		51	1,860	0	1,911	2.7
County Overall		1,019	68,918	44	69,981	1.5

Table 16

**Anonymous HIV Counseling and Testing
Percent HIV Positive by HHS Region and Risk Group
San Diego County, 1990-1995**

HHSA Region		Test Result					HHSA Region		Test Result						
		Positive	Negative	Inconclusive	Total	Rate			Positive	Negative	Inconclusive	Total	Rate		
North Coastal Region	Risk Group	MSM	44	590	1	635	6.9	East Region	Risk Group	MSM	48	668	1	717	6.7
		BISEXUAL	7	211	1	219	3.2			BISEXUAL	19	300	1	320	5.9
		IDU	3	232	1	236	*			IDU	21	1,079	1	1,101	1.9
		GAY/BI IDU	5	25	0	30	16.7			GAY/BI IDU	5	43	3	51	9.8
		HIV+ PARTNER	5	81	0	86	5.8			HIV+ PARTNER	7	172	0	179	3.9
		PARTNER BISEXUAL	0	81	1	82	*			PARTNER BISEXUAL	0	132	0	132	*
		IDU PARTNER	3	206	0	209	*			IDU PARTNER	0	491	1	492	*
		SEX FOR DRUGS/MONEY	0	96	0	96	*			SEX FOR DRUGS/MONEY	1	147	0	148	*
		BLOOD TRANSFUSION <1985	2	129	0	131	*			BLOOD TRANSFUSION <1985	0	189	0	189	*
		MULTIPLE PARTNERS	8	2,167	3	2,178	0.4			MULTIPLE PARTNERS	1	3,778	2	3,781	*
		PARTNERS W/MULTIPLE PARTNERS	6	674	0	680	0.9			PARTNERS W/MULTIPLE PARTNERS	2	1,485	3	1,490	*
		OCCUPATIONAL EXPOSURE	0	124	0	124	*			OCCUPATIONAL EXPOSURE	0	263	1	264	*
		NO REPORTED RISK	4	1,008	0	1,012	*			NO REPORTED RISK	8	1,821	3	1,832	0.4
		OTHER/UNK	1	40	1	42	*			OTHER/UNK	1	234	1	236	*
	Total	88	5,664	8	5,760	1.5		Total	113	10,802	17	10,932	1.0		
North Inland Region	Risk Group	MSM	29	429	1	459	6.3	South Region	Risk Group	MSM	62	804	2	868	7.1
		BISEXUAL	11	153	1	165	6.7			BISEXUAL	16	325	1	342	4.7
		IDU	3	254	1	258	*			IDU	7	629	0	636	1.1
		GAY/BI IDU	1	22	1	24	*			GAY/BI IDU	7	56	0	63	11.1
		HIV+ PARTNER	2	50	0	52	*			HIV+ PARTNER	5	119	0	124	4.0
		PARTNER BISEXUAL	1	83	1	85	*			PARTNER BISEXUAL	1	55	0	56	*
		IDU PARTNER	2	183	0	185	*			IDU PARTNER	0	356	2	358	*
		SEX FOR DRUGS/MONEY	0	55	0	55	*			SEX FOR DRUGS/MONEY	0	86	0	86	*
		BLOOD TRANSFUSION <1985	1	116	1	118	*			BLOOD TRANSFUSION <1985	1	200	0	201	*
		MULTIPLE PARTNERS	3	1,589	2	1,594	*			MULTIPLE PARTNERS	14	2,531	3	2,548	0.5
		PARTNERS W/MULTIPLE PARTNERS	5	719	2	726	0.7			PARTNERS W/MULTIPLE PARTNERS	1	811	1	813	*
		OCCUPATIONAL EXPOSURE	0	92	0	92	*			OCCUPATIONAL EXPOSURE	1	192	0	193	*
		NO REPORTED RISK	2	750	1	753	*			NO REPORTED RISK	5	1,472	4	1,481	0.3
		OTHER/UNK	0	48	1	49	*			OTHER/UNK	1	81	0	82	*
	Total	60	4,543	12	4,615	1.3		Total	121	7,717	13	7,851	1.5		
North Central Region	Risk Group	MSM	137	2,796	9	2,942	4.7	Unknown	Risk Group	MSM	65	429	1	495	13.1
		BISEXUAL	29	888	2	919	3.2			BISEXUAL	10	174	0	184	5.4
		IDU	9	832	0	841	1.1			IDU	5	230	1	236	2.1
		GAY/BI IDU	6	98	0	104	5.8			GAY/BI IDU	8	38	1	47	17.0
		HIV+ PARTNER	8	279	0	287	2.8			HIV+ PARTNER	2	40	2	44	*
		PARTNER BISEXUAL	0	265	0	265	*			PARTNER BISEXUAL	0	18	0	18	*
		IDU PARTNER	3	664	2	669	*			IDU PARTNER	0	89	0	89	*
		SEX FOR DRUGS/MONEY	1	254	0	255	*			SEX FOR DRUGS/MONEY	0	59	0	59	*
		BLOOD TRANSFUSION <1985	1	368	3	372	*			BLOOD TRANSFUSION <1985	1	51	0	52	*
		MULTIPLE PARTNERS	15	10,342	15	10,372	0.1			MULTIPLE PARTNERS	5	847	3	855	0.6
		PARTNERS W/MULTIPLE PARTNERS	7	3,426	3	3,436	0.2			PARTNERS W/MULTIPLE PARTNERS	5	301	0	306	1.6
		OCCUPATIONAL EXPOSURE	0	447	0	447	*			OCCUPATIONAL EXPOSURE	0	40	0	40	*
		NO REPORTED RISK	8	3,784	3	3,795	0.2			NO REPORTED RISK	6	428	0	434	1.4
		OTHER/UNK	3	238	1	242	*			OTHER/UNK	6	42	0	48	12.5
	Total	227	24,681	38	24,946	0.9		Total	113	2,786	8	2,907	3.9		
Central Region	Risk Group	MSM	794	9,233	23	10,050	7.9	County Overall			1,910	84,240	155	86,305	2.2
		BISEXUAL	128	1,592	10	1,730	7.4								
		IDU	45	1,697	1	1,743	2.6								
		GAY/BI IDU	86	408	0	494	17.4								
		HIV+ PARTNER	16	360	0	376	4.3								
		PARTNER BISEXUAL	2	326	0	328	*								
		IDU PARTNER	12	868	0	880	1.4								
		SEX FOR DRUGS/MONEY	3	340	2	345	*								
		BLOOD TRANSFUSION <1985	7	318	1	326	2.1								
		MULTIPLE PARTNERS	44	6,614	10	6,668	0.7								
		PARTNERS W/MULTIPLE PARTNERS	14	2,257	7	2,278	0.6								
		OCCUPATIONAL EXPOSURE	2	347	3	352	*								
		NO REPORTED RISK	21	3,464	1	3,486	0.6								
		OTHER/UNK	14	223	1	238	5.9								
	Total	1,188	28,047	59	29,294	4.1									

* No rate calculated for fewer than 5 events.

Table 17

**Anonymous HIV Counseling and Testing
Percent HIV Positive by HHS Region and Risk Group
San Diego County, 1996-2001**

HHS Region		Test Result					HHS Region		Test Result				
	Risk Group	Positive	Negative	Inconclusive	Total	Rate		Risk Group	Positive	Negative	Inconclusive	Total	Rate
North Coastal Region	MSM	16	338	0	354	4.5	East Region	MSM	21	440	1	462	4.5
	BISEXUAL	4	157	0	161	*		BISEXUAL	4	265	0	269	*
	IDU	1	322	0	323	*		IDU	10	878	2	890	1.1
	GAY/BI IDU	1	29	0	30	*		GAY/BI IDU	0	45	0	45	*
	HIV+ PARTNER	1	79	0	80	*		HIV+ PARTNER	3	176	0	179	*
	PARTNER BISEXUAL	0	50	0	50	*		PARTNER BISEXU	0	85	0	85	*
	IDU PARTNER	0	147	0	147	*		IDU PARTNER	0	376	0	376	*
	SEX FOR DRUGS/MONEY	0	69	0	69	*		SEX FOR DRUGS	0	111	0	111	*
	BLOOD TRANSFUSION <1985	0	10	0	10	*		BLOOD TRANSFL	0	38	0	38	*
	MULTIPLE PARTNERS	3	1,571	0	1,574	*		MULTIPLE PART	3	2,534	1	2,538	*
	PARTNERS W/MULTIPLE PARTNERS	4	658	0	662	*		PARTNERS W/ML	2	1,136	2	1,140	*
	OCCUPATIONAL EXPOSURE	0	25	0	25	*		OCCUPATIONAL	0	57	0	57	*
	NO REPORTED RISK	1	726	0	727	*		CHILD AT RISK	0	1	0	1	*
	OTHER/UNK	0	9	0	9	*		NO REPORTED R	6	1,218	2	1,226	0.5
Total		31	4,190	0	4,221	0.7	Total	49	7,390	8	7,447	0.7	
North Inland Region	MSM	6	277	0	283	2.1	South Region	MSM	38	815	1	854	4.4
	BISEXUAL	2	120	0	122	*		BISEXUAL	13	366	0	379	3.4
	IDU	0	113	0	113	*		IDU	7	714	1	722	1.0
	GAY/BI IDU	0	23	0	23	*		GAY/BI IDU	5	158	0	163	3.1
	HIV+ PARTNER	1	34	0	35	*		HIV+ PARTNER	16	161	0	177	9.0
	PARTNER BISEXUAL	0	33	0	33	*		PARTNER BISEXU	1	100	0	101	*
	IDU PARTNER	0	70	0	70	*		IDU PARTNER	3	363	0	366	*
	SEX FOR DRUGS/MONEY	0	37	0	37	*		SEX FOR DRUGS	0	129	0	129	*
	BLOOD TRANSFUSION <1985	0	9	0	9	*		BLOOD TRANSFL	0	31	0	31	*
	MULTIPLE PARTNERS	0	862	1	863	*		MULTIPLE PART	14	2,491	2	2,507	0.6
	PARTNERS W/MULTIPLE PARTNERS	1	314	0	315	*		PARTNERS W/ML	5	1,211	0	1,216	0.4
	OCCUPATIONAL EXPOSURE	0	9	0	9	*		OCCUPATIONAL	1	39	0	40	*
	NO REPORTED RISK	0	377	0	377	*		NO REPORTED R	7	1,653	1	1,661	0.4
	OTHER/UNK	0	7	0	7	*		OTHER/UNK	0	18	0	18	*
Total		10	2,285	1	2,296	0.4	Total	110	8,249	5	8,364	1.3	
North Central Region	MSM	39	1,613	0	1,652	2.4	Unknown	MSM	25	258	0	283	8.8
	BISEXUAL	16	708	0	724	2.2		BISEXUAL	8	109	0	117	6.8
	IDU	6	694	0	700	0.9		IDU	2	184	0	186	*
	GAY/BI IDU	2	72	0	74	*		GAY/BI IDU	3	45	0	48	*
	HIV+ PARTNER	2	225	1	228	*		HIV+ PARTNER	2	29	0	31	*
	PARTNER BISEXUAL	0	203	0	203	*		PARTNER BISEXU	0	14	0	14	*
	IDU PARTNER	2	449	1	452	*		IDU PARTNER	2	69	0	71	*
	SEX FOR DRUGS/MONEY	0	240	0	240	*		SEX FOR DRUGS	0	47	0	47	*
	BLOOD TRANSFUSION <1985	1	52	1	54	*		BLOOD TRANSFL	0	7	0	7	*
	MULTIPLE PARTNERS	14	6,092	1	6,107	0.2		MULTIPLE PART	3	542	0	545	*
	PARTNERS W/MULTIPLE PARTNERS	1	2,026	0	2,027	*		PARTNERS W/ML	3	209	0	212	*
	OCCUPATIONAL EXPOSURE	1	71	0	72	*		OCCUPATIONAL	0	9	0	9	*
	NO REPORTED RISK	7	2,082	2	2,091	0.3		CHILD AT RISK	0	1	0	1	*
	OTHER/UNK	0	44	0	44	*		NO REPORTED R	3	326	0	329	*
Total		91	14,571	6	14,668	0.6	Total	51	1,860	0	1,911	2.7	
Central Region	MSM	354	6,200	7	6,561	5.4	County Overall	MSM	1,019	68,918	44	69,981	1.5
	BISEXUAL	79	1,775	1	1,855	4.3		BISEXUAL					
	IDU	44	3,682	5	3,731	1.2		IDU					
	GAY/BI IDU	42	554	2	598	7.0		GAY/BI IDU					
	HIV+ PARTNER	13	477	0	490	2.7		HIV+ PARTNER					
	PARTNER BISEXUAL	0	360	0	360	*		PARTNER BISEXU					
	IDU PARTNER	18	1,262	2	1,282	1.4		IDU PARTNER					
	SEX FOR DRUGS/MONEY	10	741	0	751	1.3		SEX FOR DRUGS					
	BLOOD TRANSFUSION <1985	2	79	0	81	*		BLOOD TRANSFL					
	MULTIPLE PARTNERS	50	7,766	4	7,820	0.6		MULTIPLE PART					
	PARTNERS W/MULTIPLE PARTNERS	20	3,045	1	3,066	0.7		PARTNERS W/ML					
	OCCUPATIONAL EXPOSURE	0	104	0	104	*		OCCUPATIONAL					
	NO REPORTED RISK	39	4,226	2	4,267	0.9		CHILD AT RISK					
	OTHER/UNK	6	102	0	108	5.6		NO REPORTED R					
Total		677	30,373	24	31,074	2.2	Total						

* No rate calculated for fewer than 5 events.

Table 18

Anonymous HIV Testing First Time and Repeat Testers Number and Percent HIV+ San Diego County, 1990-2001			
	First Time Testers		
Year	No. HIV+ Tests	No. Testers	Percent HIV+
1990	225	4,433	5.1%
1991	193	8,824	2.2%
1992	69	5,861	1.2%
1993	48	3,446	1.4%
1994	33	3,017	1.1%
1995	53	4,265	1.2%
1996	50	4,297	1.2%
1997	65	4,109	1.6%
1998	44	3,059	1.4%
1999	36	3,598	1.0%
2000	35	3,545	1.0%
2001	31	3,145	1.0%
	Repeat Testers		
Year	No. HIV+ Tests	No. Testers	Percent HIV+
1990	184	5,179	3.6%
1991	193	9,048	2.1%
1992	138	9,476	1.5%
1993	110	8,062	1.4%
1994	111	7,245	1.5%
1995	145	8,109	1.8%
1996	118	8,267	1.4%
1997	126	7,928	1.6%
1998	85	7,169	1.2%
1999	104	8,609	1.2%
2000	95	8,241	1.2%
2001	109	7,495	1.5%

Testers reporting a previous positive test were removed from this analysis.

Table 19

Anonymous HIV Counseling and Testing Services First Time and Repeat Testers Number and Percent HIV Positive by Age Group San Diego County, 1999- 2001 Average						
	First Time			Repeat		
Age Group	No. HIV+ Tests	No. Testers	Percent HIV+	No. HIV+ Tests	No. Testers	Percent HIV+
Under 20	3	1,999	*	4	881	*
20-24	8	1,970	0.4	30	2,819	1.1
25-34	34	2,265	1.5	131	7,381	1.8
35+	57	3,986	1.4	143	13,043	1.1
Unknown/Missing	0	1	*	0	0	*
Total	102	10,221	1.0	308	24,124	1.3

County of San Diego, HHSA, Community Epidemiology

*No percentages are calculated for fewer than 5 events.

Table 20

Anonymous HIV Testing First Time and Repeat Testers, MSM Group Number and Percent HIV+ San Diego County, 1990-2001			
First Time Testers			
Year	No. HIV+ Tests	No. Testers	Percent HIV+
1990	190	837	22.7%
1991	145	1,053	13.8%
1992	46	403	11.4%
1993	35	250	14.0%
1994	22	199	11.1%
1995	31	322	9.6%
1996	33	333	9.9%
1997	36	357	10.1%
1998	23	259	8.9%
1999	14	271	5.2%
2000	10	288	3.5%
2001	23	336	6.8%
Repeat Testers			
Year	No. HIV+ Tests	No. Testers	Percent HIV+
1990	164	2,443	6.7%
1991	169	3,796	4.5%
1992	125	3,229	3.9%
1993	93	2,604	3.6%
1994	88	1,155	7.6%
1995	111	2,257	4.9%
1996	86	1,943	4.4%
1997	94	1,897	5.0%
1998	66	1,886	3.5%
1999	65	2,013	3.2%
2000	55	2,050	2.7%
2001	83	2,498	3.3%

Testers reporting a previous positive test were removed from this analysis.

Table 21

Anonymous HIV Testing Number and Percent HIV+ for MSM Group San Diego County, 1990-2001			
	All Testers		
Year	No. HIV+ Tests	No. Testers	Percent HIV+
1990	438	3,556	12.3%
1991	375	4,932	7.6%
1992	243	3,943	6.2%
1993	180	3,073	5.9%
1994	137	2,498	5.5%
1995	143	2,603	5.5%
1996	125	2,296	5.4%
1997	147	2,279	6.5%
1998	98	2,165	4.5%
1999	93	2,305	4.0%
2000	78	2,364	3.3%
2001	133	2,890	4.6%

Table 22

Anonymous HIV Testing Number and Percent HIV+ for MSM Group By Age Group, Race/Ethnicity and HHS Region San Diego County, 1996-2000 Average			
	All Testers		
Age Group	No. HIV+ Tests	No. Testers	Percent HIV+
<15	0	10	*
15-19	8	407	2.0%
20-24	43	1,337	3.2%
25-34	272	4,444	6.1%
35-49	199	3,700	5.4%
50+	19	1,289	1.5%
Missing	0	2	*
Race/Ethnicity			
African American	102	829	12.3%
American Indian/Alaskan Native	2	56	*
Asian/Pacific Islander	20	569	3.5%
Hispanic	149	2,528	5.9%
White	260	7,210	3.6%
Other	7	198	3.5%
Unknown	1	2	*
Missing	0	17	*
Region			
North Coastal	16	425	3.8%
North Inland	7	339	2.1%
North Central	46	1,827	2.5%
Central	382	6,812	5.6%
East	19	581	3.3%
South	42	1,081	3.9%
Unknown	29	344	8.4%

No percentages are calculated for fewer than 5 events.

MSM Group 1996-2000, Anonymous Testers Only

Table 23

Race/Ethnicity		HIV Test Result			Total	Rate	95% Lower CI	95% Upper CI
		POSITIVE	NEGATIVE	INCONCLUSIVE				
AFRICAN AMERICAN	Age Group	<15	0	1	0	1	*	
		15-19	4	34	0	38	*	
		20-24	7	79	0	86	8.1	2.4 13.9
		25-34	56	292	0	348	16.1	12.2 20.0
		35-49	35	269	0	304	11.5	7.9 15.1
		50+	0	52	0	52	*	
	Total			102	727	0	829	12.3
AMERICAN INDIAN/AN	Age Group	<15	0	0	0	0	*	
		15-19	0	3	0	3	*	
		20-24	0	5	0	5	*	
		25-34	1	21	0	22	*	
		35-49	1	24	0	25	*	
		50+	0	1	0	1	*	
	Total			2	54	0	56	*
ASIAN/PI	Age Group	<15	0	0	0	0	*	
		15-19	0	27	0	27	*	
		20-24	2	133	0	135	*	
		25-34	9	275	0	284	3.2	1.1 5.2
		35-49	9	105	0	114	7.9	2.9 12.8
		50+	0	9	0	9	*	
	Total			20	549	0	569	3.5
HISPANIC	Age Group	<15	0	5	0	5	*	
		15-19	2	146	0	148	*	
		20-24	18	412	1	431	4.2	2.3 6.1
		25-34	78	1,077	0	1,155	6.8	5.3 8.2
		35-49	47	641	0	688	6.8	4.9 8.7
		50+	4	97	0	101	*	
	Total			149	2,378	1	2,528	5.9
WHITE	Age Group	<15	0	4	0	4	*	
		15-19	2	181	0	183	*	
		20-24	16	624	2	642	2.5	1.3 3.7
		25-34	122	2,447	3	2,572	4.7	3.9 5.6
		35-49	105	2,581	1	2,687	3.9	3.2 4.6
		50+	15	1,104	1	1,120	1.3	0.7 2.0
		Missing	0	2	0	2	*	
Total			260	6,943	7	7,210	3.6	3.2 4.0
OTHER	Age Group	<15	0	0	0	0	*	
		15-19	0	8	0	8	*	
		20-24	0	34	0	34	*	
		25-34	5	51	0	56	8.9	1.5 16.4
		35-49	2	72	0	74	*	
		50+	0	26	0	26	*	
	Total			7	191	0	198	3.5
Unknown	Age Group	20-24	0	4	0	4	*	
		25-34	1	6	0	7	*	
		35-49	0	8	0	8	*	
	Total		1	18	0	19	*	
Total			541	10,860	8	11,409	4.7	4.4 5.1

Note: If 95% confidence intervals (CI) overlap, the rates are not statistically different; if they don't overlap, they probably are statistically different.

revised 2-21-02

Table 24

MSM Group 1996-2000, Anonymous Testers Only

HHS Region	Race	HIV Test Result			Total	Rate	95% Lower CI	95% Upper CI	
		POSITIVE	NEGATIVE	INCONCLUSIVE					
Unknown	Race	African American	2	12	0	17	*		
		American Indian/Alaskan Native	0	2	0	2	*		
		Asian/Pacific Islander	2	9	0	11	*		
		Hispanic	23	153	0	178	12.9	8.0	17.8
		White	2	134	0	142	*		
		Other	0	4	0	4	*		
		Unknown	0	1	0	0	*		
		Total		29	315	0	344	8.4	5.5
North Coastal Region	Race	African American	4	19	0	26	*		
		American Indian/Alaskan Native	0	2	0	2	*		
		Asian/Pacific Islander	0	18	0	18	*		
		Hispanic	0	67	0	70	*		
		White	12	294	0	323	3.7	1.7	5.8
		Other	0	9	0	10	*		
		Unknown	0	0	0	0	*		
		Total		16	409	0	425	3.8	2.0
North Inland Region	Race	African American	1	9	0	10	*		
		American Indian/Alaskan Native	1	0	0	42	*		
		Asian/Pacific Islander	1	39	0	60	*		
		Hispanic	3	56	0	236	*		
		White	0	226	0	1	*		
		Other	0	1	0	1	*		
		Unknown	1	1	0	0	*		
		Total		7	332	0	339	2.1	0.6
North Central Region	Race	African American	6	53	0	66	9.1	2.2	16.0
		American Indian/Alaskan Native	0	6	0	7	*		
		Asian/Pacific Islander	4	140	0	150	*		
		Hispanic	12	187	0	212	5.7	2.5	8.8
		White	24	1,359	0	1,460	1.6	1.0	2.3
		Other	0	34	0	37	*		
		Unknown	0	2	0	0	*		
		Total		46	1,781	0	1,827	2.5	1.8
Central Region	Race	African American	83	579	0	722	11.5	9.2	13.8
		American Indian/Alaskan Native	2	34	0	38	*		
		Asian/Pacific Islander	9	284	0	301	3.0	1.1	4.9
		Hispanic	79	1,168	1	1,274	6.2	4.9	7.5
		White	202	4,233	6	4,550	4.4	3.8	5.0
		Other	7	113	0	123	5.7	1.6	9.8
		Unknown	0	12	0	1	*		
		Total		382	6,423	7	6,812	5.6	5.1
East Region	Race	African American	3	30	0	34	*		
		American Indian/Alaskan Native	0	2	0	2	*		
		Asian/Pacific Islander	2	12	0	17	*		
		Hispanic	6	81	0	95	6.3	1.4	11.2
		White	8	428	0	474	1.7	0.5	2.8
		Other	0	8	0	9	*		
		Unknown	0	1	0	0	*		
		Total		19	562	0	581	3.3	1.8
South Region	Race	African American	3	25	0	29	*		
		American Indian/Alaskan Native	0	8	0	8	*		
		Asian/Pacific Islander	2	47	0	50	*		
		Hispanic	28	666	0	711	3.9	2.5	5.4
		White	9	269	1	295	3.1	1.1	5.0
		Other	0	22	0	22	*		
		Unknown	0	1	0	0	*		
		Total		42	1,038	1	1,081	3.9	2.7
Total		541	10,860	8	11,409	4.7	4.4	5.1	

Note: If 95% confidence intervals (CI) overlap, the rates are not statistically different; if they don't overlap, they probably are statistically different.

Table 25

Anonymous HIV Testing Number and Percent HIV+ for MSM Group, Ages 13-24 San Diego County, 1990-2001 ^α			
All Testers			
Year	No. HIV+ Tests	No. Testers	Percent HIV+
90/91	117	1,414	8.3%
92/93	60	1,076	5.6%
94/95	35	722	4.8%
96/97	16	689	2.3%
98/99	24	696	3.4%
00/01	25	754	3.3%

^αTwo year averages, 2001 data is preliminary.
No percentages are calculated for fewer than 5 events.

Table 26

Anonymous HIV Testing Number and Percent HIV+ for MSM Group, Ages 13-24* By Race/Ethnicity San Diego County, 1996-2000 Average			
Race/Ethnicity	No. HIV+ Tests	No. Testers	Percent HIV+
African American	11	125	8.8%
Hispanic	20	584	3.4%
White	18	828	2.2%
All Other Race/Ethnicities	2	212	*
Missing	0	4	*
Total	51	1,753	2.9%

No percentages are calculated for fewer than 5 events.

Table 27

MSM Group 1996-2000 Ages 13-24, Anonymous Testers Only

HHSA Region	Race	HIV Test Result			Total	Rate	95% Lower CI	95% Upper CI
		POSITIVE	NEGATIVE	INCONCLUSIVE				
Central Region	African American	9	81	0	90	10.0	3.8	16.2
	American Indian/Alaskan Native	0	7	0	7	*		
	Asian/Pacific Islander	2	77	0	79	*		
	Hispanic	8	262	1	271	3.0	0.9	5.0
	White	12	401	2	415	2.9	1.3	4.5
	Other	0	20	0	20	*		
	Unknown	0	4	0	4	*		
Total		31	852	3	886	3.5	2.3	4.7

Note: If 95% confidence intervals (CI) overlap, the rates are not statistically different; if they don't overlap, they probably are statistically different.

Table 28

HIV Anonymous Testing Number and Percent HIV+ for IDU* San Diego County, 1990-2001			
All Testers			
Year	No. HIV+ Tests	No. Testers	Percent HIV+
1990	15	799	1.9%
1991	30	998	3.0%
1992	22	1,031	2.1%
1993	8	567	1.4%
1994	10	738	1.4%
1995	8	953	0.8%
1996	11	1,068	1.0%
1997	17	1,214	1.4%
1998	9	1,205	0.7%
1999	13	1,587	0.8%
2000	18	1,326	1.4%
2001	2	265	**

*IDU= intravenous drug user.

**No rate calculate for fewer than 5 events.

Table 29

HIV Anonymous Testing Number and Percent HIV+ for IDU* By Age Group, Race/Ethnicity and HHS Region San Diego County, 1996-2001 Average			
All Testers			
	No. HIV+ Tests	No. Testers	Percent HIV+
Gender			
Male	39	3608	**
Female	13	1,732	**
Other/Missing	18	1,325	**
Age Group			
<15	0	10	**
15-19	0	183	**
20-24	4	365	**
25-34	25	1,579	1.6%
35-49	35	3,845	0.9%
50+	6	636	0.9%
Missing	0	2	**
Race/Ethnicity			
African American	25	1,175	2.1%
American Indian/Alaskan Native	1	130	**
Asian/Pacific Islander	0	69	**
Hispanic	13	1,405	0.9%
White	31	3,779	0.8%
Other	0	100	**
Missing	0	7	**
Region			
North Coastal	1	322	**
North Inland	0	113	**
North Central	6	700	0.9%
Central	44	3,731	1.2%
East	10	890	1.1%
South	7	722	1.0%
Unknown	2	186	**

*IDU= intravenous drug user.

**No percentages are calculated for fewer than 5 events.

Table 30

HIV Confidential Testing And Seroprevalence* at an STD Clinic Number and Percent HIV+ for Males San Diego County, 1995-2001			
Confidential Testing			
Year	No. HIV+ Tests	No. Testers	Percent HIV+
1995	17	2,172	0.8%
1996	16	1,865	0.9%
1997	14	1,571	0.9%
1998	19	1,931	1.0%
1999	11	2,027	0.5%
2000	20	2,321	0.9%
2001	28	2,179	1.3%
Seroprevalence			
Year	No. HIV+ Tests	No. Testers	Percent HIV+
1995	17	439	3.9%
1996	10	336	*
1997	20	319	6.3%
1998	12	336	3.6%
1999	19	336	5.7%
2000	21	352	6.0%
2001	19	353	5.4%

*Unlinked anonymous HIV testing of blood samples originally taken to test for an STD other than HIV. No percentages are calculated for fewer than 5 events.

Table 31

HIV Seroprevalence* Among Men Attending an STD Clinic Number and Percent HIV+ by Race/Ethnicity San Diego County, 1996-2000 Average			
Race/Ethnicity	No. HIV+ Tests	No. Testers	Percent HIV+
African American	19	420	4.5%
Hispanic	16	373	4.3%
White	41	746	5.5%
All Other Race/Ethnicities	5	125	4.0%
Total	81	1,664	4.9%

*Unlinked anonymous HIV testing of blood samples originally taken to test for an STD other than HIV. No percentages are calculated for fewer than 5 events.

Table 32

**Anonymous HIV Testing
Distribution of Testers by Gender and HHSA Region
San Diego County, 2001**

		North Coastal Region	North Inland Region	North Central Region	Central Region	East Region	South Region	Unknown	Total
Male	Count	338	223	1,303	3,548	485	228	949	7,074
	Row %	4.8	3.2	18.4	50.2	6.9	3.2	13.4	100
	Column %	61.2	61.8	68.3	71.0	58.4	58.5	54.9	65.7
Female	Count	213	132	597	1,409	339	130	770	3,590
	Row %	5.9	3.7	16.6	39.2	9.4	3.6	21.4	100
	Column %	38.6	36.6	31.3	28.2	40.8	33.3	44.5	33.3
Pregnant Female	Count	1	5	3	16	2	1	5	33
	Row %	3.0	15.2	9.1	48.5	6.1	3.0	15.2	100
	Column %	0.2	1.4	0.2	0.3	0.2	0.3	0.3	0.3
Transgender Male to Female	Count	0	0	1	12	0	0	0	13
	Row %	0.0	0.0	7.7	92.3	0.0	0.0	0.0	100
	Column %	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.1
Transgender Female to Male	Count	0	0	1	1	1	0	0	3
	Row %	0.0	0.0	33.3	33.3	33.3	0.0	0.0	100
	Column %	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Missing	Count	0	1	4	13	4	31	6	59
	Row %	0.0	1.7	6.8	22.0	6.8	52.5	10.2	100
	Column %	0.0	0.3	0.2	0.3	0.5	7.9	0.3	0.5
Total	Count	552	361	1,909	4,999	831	390	1,730	10,772
	Row %	5.1	3.4	17.7	46.4	7.7	3.6	16.1	100
	Column %	100	100	100	100	100	100	100	100

Table 33

**Anonymous HIV Testing
Distribution of Testers by Age Group and HHS Region
San Diego County, 2001**

		North Coastal Region	North Inland Region	North Central Region	Central Region	East Region	South Region	Unknown	Total
Under 15	Count	1	3	4	24	3	17	2	54
	Row %	1.9	5.6	7.4	44.4	5.6	31.5	3.7	100
	Column %	0.2	0.8	0.2	0.5	0.4	1.0	0.5	0.5
15-19	Count	45	55	93	353	68	273	40	927
	Row %	4.9	5.9	10.0	38.1	7.3	29.4	4.3	100
	Column %	8.2	15.2	4.9	7.1	8.2	15.8	10.3	8.6
20-24	Count	95	70	354	615	126	289	56	1,605
	Row %	5.9	4.4	22.1	38.3	7.9	18.0	3.5	100
	Column %	17.2	19.4	18.5	12.3	15.2	16.7	14.4	14.9
25-34	Count	128	70	547	1,385	196	421	83	2,830
	Row %	4.5	2.5	19.3	48.9	6.9	14.9	2.9	100
	Column %	23.2	19.4	28.7	27.7	23.6	24.3	21.3	26.3
35-49	Count	183	91	557	1,820	311	502	110	3,574
	Row %	5.1	2.5	15.6	50.9	8.7	14.0	3.1	100
	Column %	33.2	25.2	29.2	36.4	37.4	29.0	28.2	33.2
50+	Count	63	55	221	577	103	183	44	1,246
	Row %	5.1	4.4	17.7	46.3	8.3	14.7	3.5	100
	Column %	11.4	15.2	11.6	11.5	12.4	10.6	11.3	11.6
Unk/Missing	Count	37	17	133	225	24	45	55	536
	Row %	6.9	3.2	24.8	42.0	4.5	8.4	10.3	100
	Column %	6.7	4.7	7.0	4.5	2.9	2.6	14.1	5.0
Total	Count	552	361	1,909	4,999	831	1,730	390	10,772
	Row %	5.1	3.4	17.7	46.4	7.7	16.1	3.6	100
	Column %	100	100	100	100	100	100	100	100

**Anonymous HIV Testing
Distribution of Testers by Race/Ethnicity and HHS Region
San Diego County, 2001**

Table 34

		North Coastal Region	North Inland Region	North Central Region	Central Region	East Region	South Region	Unknown	Total
African American	Count	38	19	113	1,119	93	113	53	1,548
	Row %	2.5	1.2	7.3	72.3	6.0	7.3	3.4	100
	Column %	6.9	5.3	5.9	22.4	11.2	6.5	13.6	14.4
American Indian/AN	Count	6		12	59	12	6	6	101
	Row %	5.9		11.9	58.4	11.9	5.9	5.9	100
	Column %	1.1		0.6	1.2	1.4	0.3	1.5	0.9
Asian/PI	Count	29	38	177	216	29	80	15	584
	Row %	5.0	6.5	30.3	37.0	5.0	13.7	2.6	100
	Column %	5.3	10.5	9.3	4.3	3.5	4.6	3.8	5.4
Hispanic	Count	124	75	217	1,250	155	1,153	142	3,116
	Row %	4.0	2.4	7.0	40.1	5.0	37.0	4.6	100
	Column %	22.5	20.8	11.4	25.0	18.7	66.6	36.4	28.9
White	Count	335	216	1,331	2,233	524	347	137	5,123
	Row %	6.5	4.2	26.0	43.6	10.2	6.8	2.7	100
	Column %	60.7	59.8	69.7	44.7	63.1	20.1	35.1	47.6
Other	Count	15	10	44	90	11	21	4	195
	Row %	7.7	5.1	22.6	46.2	5.6	10.8	2.1	100
	Column %	2.7	2.8	2.3	1.8	1.3	1.2	1.0	1.8
Missing	Count	5	3	15	32	7	10	33	105
	Row %	4.8	2.9	14.3	30.5	6.7	9.5	31.4	100
	Column %	0.9	0.8	0.8	0.6	0.8	0.6	8.5	1.0
Total	Count	552	361	1,909	4,999	831	1,730	390	10,772
	Row %	5.1	3.4	17.7	46.4	7.7	16.1	3.6	100
	Column %	100	100	100	100	100	100	100	100

Table 35

San Diego County, 2000 Census		
Race/Ethnicity	Population	Percent
Hispanic	750,965	27%
White	1,548,833	55%
Black	154,487	5%
American Indian	15,253	<1%
Asian	245,297	9%
Hawaiian & Pacific Islander	12,164	<1%
Other	5,822	<1%
2 or More Races	81,012	3%
Total	2,813,833	100%

Source: San Diego Association of Governments (SANDAG, www.sandag.org)

Table 36

**Anonymous HIV Testing
Distribution of Testers by Risk Group and HHS Region
San Diego County, 2001**

		North Coastal Region	North Inland Region	North Central Region	Central Region	East Region	South Region	Unknown	Total
MSM	Count	66	55	395	1,632	82	191	67	2,488
	Row %	2.7	2.2	15.9	65.6	3.3	7.7	2.7	100
	Column %	12.0	15.2	20.7	32.6	9.9	11.0	17.2	23.1
Bisexual	Count	19	14	93	238	36	61	21	482
	Row %	3.9	2.9	19.3	49.4	7.5	12.7	4.4	100
	Column %	3.4	3.9	4.9	4.8	4.3	3.5	5.4	4.5
IDU	Count	7	7	32	145	27	42	5	265
	Row %	2.6	2.6	12.1	54.7	10.2	15.8	1.9	100
	Column %	1.3	1.9	1.7	2.9	3.2	2.4	1.3	2.5
GAY/BI IDU	Count	1	3	1	32	4	2	3	46
	Row %	2.2	6.5	2.2	69.6	8.7	4.3	6.5	100
	Column %	0.2	0.8	0.1	0.6	0.5	0.1	0.8	0.4
HIV+ Partner	Count	11	4	22	64	16	38	3	158
	Row %	7.0	2.5	13.9	40.5	10.1	24.1	1.9	100
	Column %	2.0	1.1	1.2	1.3	1.9	2.2	0.8	1.5
Partner Bisexual	Count	3	5	19	37	6	18	1	89
	Row %	3.4	5.6	21.3	41.6	6.7	20.2	1.1	100
	Column %	0.5	1.4	1.0	0.7	0.7	1.0	0.3	0.8
IDU Partner	Count	26	8	47	159	51	107	19	417
	Row %	6.2	1.9	11.3	38.1	12.2	25.7	4.6	100
	Column %	4.7	2.2	2.5	3.2	6.1	6.2	4.9	3.9
Sex For Drugs/Money	Count	0	1	2	46	5	8	2	64
	Row %	0.0	1.6	3.1	71.9	7.8	12.5	3.1	100
	Column %	0.0	0.3	0.1	0.9	0.6	0.5	0.5	0.6
Blood Transfusion <1985	Count	2	2	10	17	6	6	2	45
	Row %	4.4	4.4	22.2	37.8	13.3	13.3	4.4	100
	Column %	0.4	0.6	0.5	0.3	0.7	0.3	0.5	0.4
Multiple Partners	Count	249	165	846	1,417	354	606	124	3,761
	Row %	6.6	4.4	22.5	37.7	9.4	16.1	3.3	100
	Column %	45.1	45.7	44.3	28.3	42.6	35.0	31.8	34.9
Occupational Exposure	Count	2	0	4	17	5	6	0	34
	Row %	5.9	0.0	11.8	50.0	14.7	17.6	0.0	100
	Column %	0.4	0.0	0.2	0.3	0.6	0.3	0.0	0.3
No Reported Risk	Count	164	95	430	1,171	236	642	139	2,877
	Row %	5.7	3.3	14.9	40.7	8.2	22.3	4.8	100
	Column %	29.7	26.3	22.5	23.4	28.4	37.1	35.6	26.7
Unknown	Count	2	2	8	24	3	3	4	46
	Row %	4.3	4.3	17.4	52.2	6.5	6.5	8.7	100
	Column %	0.4	0.6	0.4	0.5	0.4	0.2	1.0	0.4
Total	Count	552	361	1,909	4,999	831	1,730	390	10,772
	Row %	5.1	3.4	17.7	46.4	7.7	16.1	3.6	100
	Column %	100	100	100	100	100	100	100	100

Table 37

**Anonymous HIV Counseling & Testing
Distribution of HIV+ Tests by Gender, Age Group, Race/Ethnicity, Region and Risk Group
San Diego County, 2001**

Gender			Age Group			Race/Ethnicity			HHS Region			Risk Group		
	No.	%		No.	%		No.	%		No.	%		No.	%
Male	165	94.8%	Under 15	0	0.0%	African American	28	16.1%	North Coastal	7	4.0%	MSM	112	64.4%
Female	6	3.4%	15-19	2	1.1%	American Indian/AN	1	0.6%	North Inland	1	0.6%	Bisexual	18	10.3%
Pregnant Female	0	0.0%	20-24	19	10.9%	Asian/PI	7	4.0%	North Central	15	8.6%	IDU*	2	1.1%
Trans Male to Female	3	1.7%	25-34	83	47.7%	Hispanic	76	43.7%	Central	116	66.7%	Gay/Bi IDU	4	2.3%
Trans Female to Male	0	0.0%	35-49	53	30.5%	White	60	34.5%	East	7	4.0%	HIV+ Partner	2	1.1%
Missing	0	0.0%	50+	6	3.4%	Other	1	0.6%	South	22	12.6%	Partner Bisexual	0	0.0%
Total	174	100.0%	Missing	11	6.3%	Missing	1	0.6%	Unk/Missing	6	3.4%	IDU Partner	2	1.1%
			Total	174	100.0%	Total	174	100.0%	Total	174	100.0%	Sex for Drugs/Money	0	0.0%
												Blood Transfusion	0	0.0%
												Multiple Partners	17	9.8%
												Occupational Exposure	0	0.0%
												No Reported Risk*	16	9.2%
												Missing	1	0.6%
												Total	174	100.0%

*Changes to the method of assigning risk in 2001 may have had the effect of decreasing the number of IDU. Partners with Multiple Partners was dropped as a risk group in 2001, and absorbed into No Reported Risk.

Risk Groups: Office of AIDS HIV Counseling and Testing Risk Group Hierarchy

After risk behavior is entered into the database for a client, the computer program ranks the risks and assigns the client to the risk group with the *highest risk*. The following risk groups are mutually exclusive and are presented in order of estimated risk from highest risk to lower risk. As of 2001, behaviors have to have occurred within the last 2 years or since the last test result (whichever is less) to be recorded. Also, some categories may seem to include all of a particular risk group when they do not. For example, Gay/Bi IDU includes some men who have sex with men (MSM) who are also injection drug users (IDU). Below are the current definitions (there have been changes over the years):

Men who have Sex with Men (MSM): men who report having a male sex partner, no female sex partners, and no injection drug use.

Gay Men/Bisexual Men who are Injection Drug Users (Gay/Bi IDU): Men who report having sex with a male, or male and female partner and using injection drugs.

Injection Drug Users (IDU): clients who report having injected drugs, except men who have had sex with men but no women (they are placed in Gay/Bi IDU).

Bisexual: men and women who report having both a male and female partner.

HIV+ Partner: client reports having a partner who is HIV positive (does not include a man with a recent male partner who is HIV+ since the higher risk is MSM).

Partner Bisexual: women only who report having a male partner who has sex with men.

IDU Partner: client reports having a partner who uses injection drugs.

Sex for Drugs/Money: client reports trading sex for drugs or money.

Blood Transfusion <1985: client reports having a blood transfusion prior to 1985 or in a country where the blood is not tested for HIV.

Multiple Partners: men who report >1 female partner and no male partners in that time; women who report >1 male partner and no female partners in that time.

Partners with Multiple Partners: client reports having a partner who has had multiple partners. Dropped as a risk group in 2001 (by default absorbed into No Reported Risk).

Occupational Exposure: client reports on the job blood exposure (either blood to blood exposure or any exposure to known HIV positive blood).

Child at Risk: clients less than 12 years of age and report having an HIV positive mother.

No Reported Risk: client does not fall into one of the above risk categories and reports one or no sexual partners.

Unknown: client reports more than one sexual partner in the last year (or unknown number of sexual partners) and did not report any risk factors (client may have refused to discuss risk factors).

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HIV/AIDS Epidemiology Unit

Community Epidemiology
Health and Human Services Agency
County of San Diego
1700 Pacific Highway, P511C-A
San Diego, CA 92101

(619) 515-6675

For additional copies of this report or more information, call Lorri Freitas at (619) 515-6764
