

HIV/AIDS EPIDEMIOLOGY REPORT



CONTRA COSTA
HEALTH SERVICES

**Public Health
Communicable Disease Programs**

November 2000

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Reporting AIDS Cases

HOW TO REPORT

By establishing active AIDS surveillance in your medical facility
By completing a Confidential Morbidity report card
By telephone

HOW TO ESTABLISH ACTIVE AIDS SURVEILLANCE

Call either Public Health Advisor:
Denise Root (925)313-6793
Maureen McHale (925)313-6790
Contra Costa Health Services
Public Health Division
Epidemiology, Surveillance
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597 Center Ave., Suite 350
Martinez, CA 94553
Fax: (925) 313-6344

WHY REPORTING IS NECESSARY

To plan for future health care needs and services
To monitor trends in HIV infection
To project future numbers of AIDS case
To provide information and the history of HIV
To plan prevention and educational activities
It is the law

All health care providers are required to report AIDS cases to their local health department. AIDS is reportable under California's Code of Regulations, Title 17, Health Section 2500.

Reporting AIDS: Summary of Legislation

California Administrative Code, Title 17 (Section 1603.01 {previous numeration}) *"...a hospital shall report the name, date of birth, address, social security number, name of hospital, the date of the hospitalization, and any other information required on all confirmed cases of AIDS to the State Department of Health and county health officer."*

California Administrative Code, Title 17 (Section 120175-120250). *"Every person must report to the Health Officer any diagnosed or suspected case of any of the following diseases or conditions: Acquired Immunodeficiency Syndrome..."*

California Administrative Code, Title 17 (Section 2512): Allows health officers to investigate communicable diseases.

California Health & Safety Code, (Section 121025): Protects the confidentiality of public health records relating to AIDS that were developed or acquired by state or local public health agencies. Any personally-identifying information in these records must remain confidential and cannot be disclosed without written authorization from the person named in the record or his or her guardian or conservator, except to other local, state, or federal public health agencies or researchers who need the information to carry out their duties in the investigation, control or surveillance of disease. Any individuals to whom the information is disclosed are also required to keep the information confidential. No confidential public health record may be required to be disclosed in the context of any civil, criminal, or administrative proceeding.

California Health & Safety Code, (Section 120980): HIV test results may be reported to local health authorities as part of an AIDS diagnosis.

California Health & Safety Code, (Section 120980, 120990, and 1603.3): Allows disclosure to public health authorities of result of HIV test performed on cadavers. Allows for HIV test to be performed on cadavers with out written consent as part of an autopsy or in conjunction wit anatomical gifts.

California Health & Safety Code, (Section 121020): Allows for voluntary contact tracing with the written consent of the HIV seropositive individual.

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For copies of this report call: (925) 313-6323

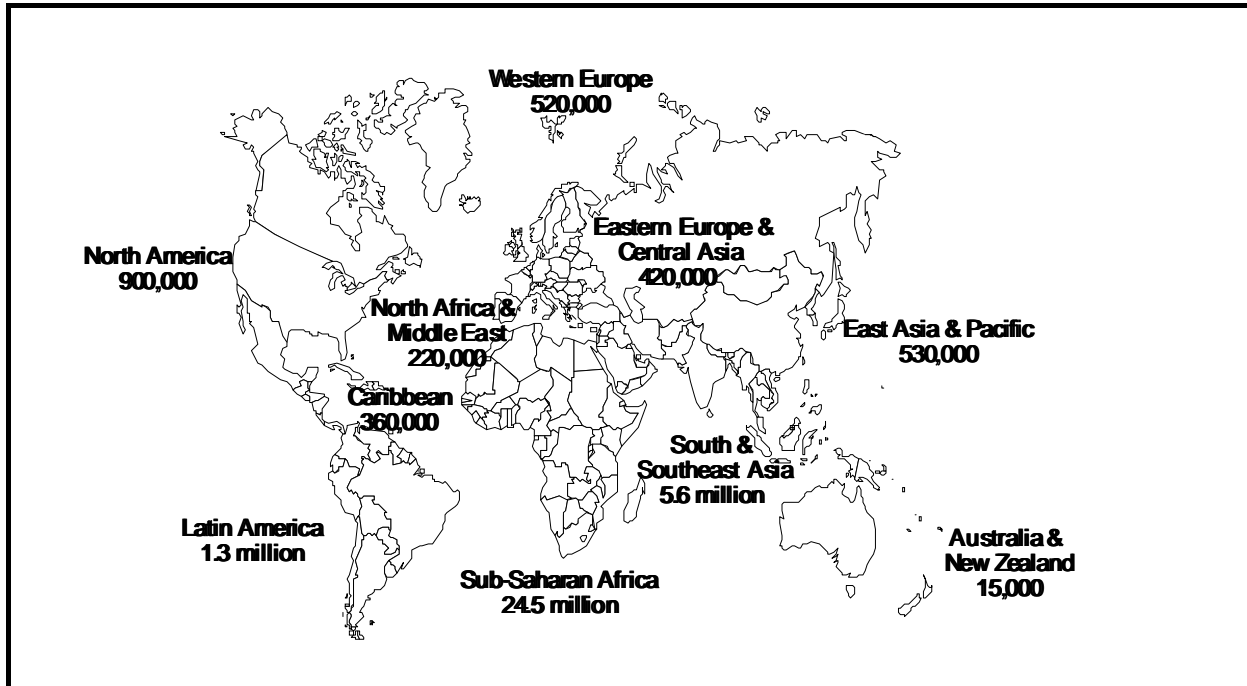
or

<http://www.igc.org/ccchdata/aids/aids.html>

HIV/AIDS Globally

AIDS at the New Millennium: A Grim Picture

According to the most recent estimates by the Joint United Nations Programme on AIDS (UNAIDS) HIV continues to spread rapidly in many parts of the world. Updated estimates of the number of people living with HIV are listed below (figures are as of December 1999).

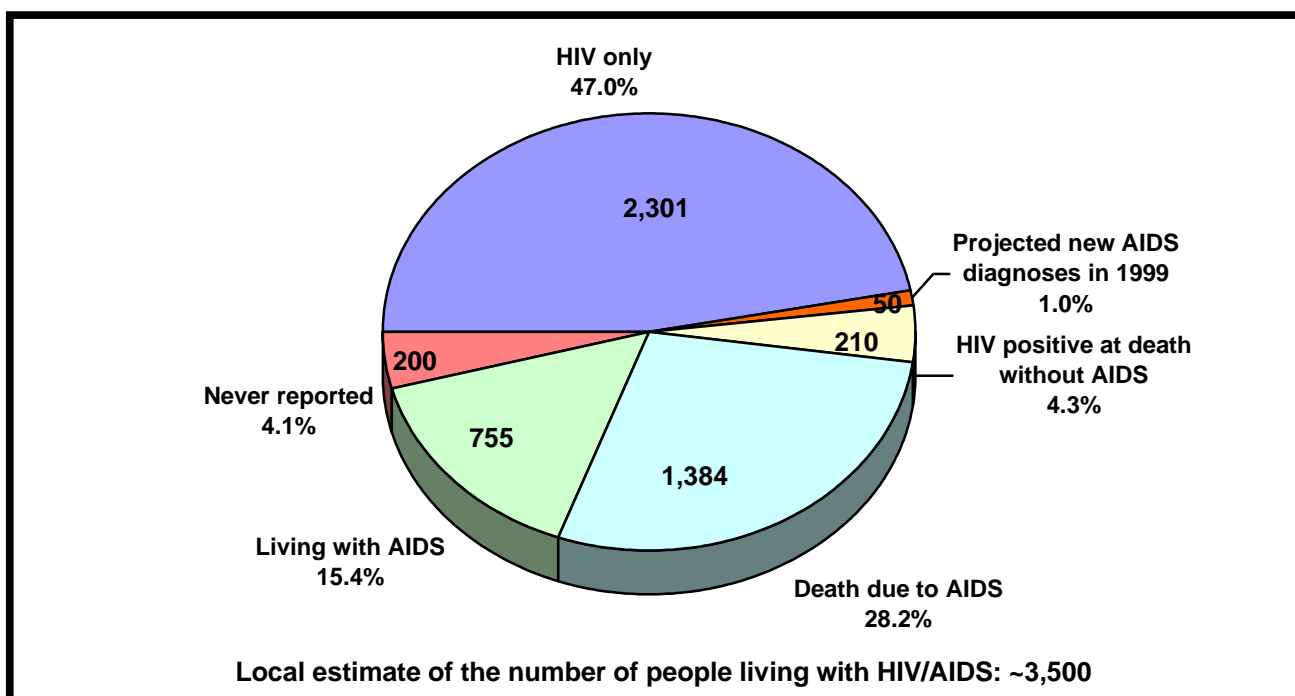


| | | |
|--|--------------|------------------------------|
| People Newly Infected with HIV | Total | 5.4 million |
| | Adults | 4.7 million |
| | Women | 2.3 million |
| | Children | 620,000 |
| Number of People Living with HIV | Total | 34.3 million |
| | Adults | 33.0 million |
| | Women | 15.7 million |
| | Children | 1.3 million |
| AIDS Deaths in 1999 | Total | 2.8 million |
| | Adults | 2.3 million |
| | Women | 1.2 million |
| | Children | 500,000 |
| Total AIDS Deaths Since Epidemic Began | Total | 18.8 million |
| | Adults | 15.0 million |
| | Women | 7.7 million |
| | Children | 3.8 million |
| Total AIDS Orphans Since Epidemic Began | Total | 13.2 million children |

Source: UNAIDS "Report on the Global HIV/AIDS Epidemic," June 2000

ESTIMATE OF CONTRA COSTA COUNTY RESIDENTS INFECTED WITH HIV

Based on back calculations and more recent estimates by the State Office of AIDS a total of approximately **4,900** Contra Costa County residents are estimated to have been infected with HIV. Of these, **2,139 (43.7%)** have already been diagnosed with and reported to have AIDS and **1,384** of these people have died of AIDS.



Global View of the AIDS Epidemic

| | | Cases | Deaths | |
|---------------------|------------------------|------------|--------------|------------|
| Contra Costa | | 2,139 | 1,384 | (8/31/00) |
| Bay Area* | (State Office of AIDS) | 41,609 | 26,910 | (7/31/00) |
| California | (State Office of AIDS) | 117,934 | 71,875 | (7/31/00) |
| U.S. | (CDC & P) | 733,374 | 430,441 | (12/31/00) |
| World | (WHO) | 54 million | 18.8 million | (12/31/00) |

*Bay Area Counties: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma

** Cumulative estimate of persons with HIV/AIDS

Recently Detected HIV Infections

January 1999 – December 1999

Clients tested for HIV at county ATS* without prior positive test (tested +/total tested)

| Race | Men | | | | | Total |
|---------------------|------------------|-------------------------|----------------------|--------------------------|--------------------------|-------|
| | Gay/ bisexual | Gay/ bisexual IDU | Heterosexu al IDU | Heterosexu al partner | Health Care worker | |
| White | 1/61 | 0/2 | 0/35 | 0/178 | 0/9 | 1/285 |
| African American | 0/10 | 0/3 | 2/17 | 1/149 | 0/2 | 3/181 |
| Latino | 0/23 | 0/0 | 1/11 | 0/157 | 0/1 | 1/192 |
| Asian | 0/6 | 0/0 | 0/1 | 0/29 | 0/0 | 0/36 |
| Native American | 0/0 | 0/0 | 0/1 | 0/4 | 0/0 | 0/5 |
| Other | 0/2 | 0/1 | 0/1 | 0/13 | 0/0 | 0/17 |
| Total | 1/102 | 0/6 | 3/66 | 1/530 | 0/12 | 5/716 |

| Race | Women | | | Total |
|---------------------|------------------|-------------------------|-----------------------|-------|
| | Heterosexual IDU | Heterosexual partner | Health Care worker | |
| White | 2/33 | 1/125 | 0/7 | 3/165 |
| African American | 0/13 | 0/107 | 0/5 | 0/125 |
| Latina | 0/7 | 1/166 | 0/4 | 1/177 |
| Asian | 0/2 | 0/14 | 0/2 | 0/18 |
| Native American | 0/0 | 0/2 | 0/1 | 0/3 |
| Other | 0/1 | 0/9 | 0/1 | 0/11 |
| Total | 2/56 | 2/423 | 0/20 | 4/499 |

*Locations and schedules of ATS:

Concord
2355 Stanwell Circle
Tuesday
5:00 – 8:00 p.m.

Pittsburg
550 School Street
Wednesday
5:00 – 8:00 p.m.

Richmond
100 39th Street
Thursday
5:00 – 8:00 p.m.

For more info call:

1-800-287-0200

Free - donations accepted

Diagnosed AIDS Cases

In California HIV infection with AIDS is not reportable. Only diagnosed AIDS cases are reported to the Health Department. An Individual who has tested HIV positive is diagnosed with AIDS when one of two events occur: either the patient's CD4 count drops below 200 cells/ μ l (<14% of normal); or the patient is diagnosed with one of 26 AIDS defining cancers or opportunistic infections. Below is a table indicating frequencies of how individuals in Contra Costa are diagnosed with AIDS and a frequency list of cancers and opportunistic infections or conditions reported in those diagnosed with HIV/AIDS*.

| Cumulative Cases^φ | | | |
|--|--------------|------------------|--------------|
| Diagnosis Category | Adult | Pediatric | Total |
| Cancer or Opportunistic infection Immunological (CD4<200 or 14%) | 1,398 | 12 | 1,410 |
| Total | 2,127 | 12 | 2,139 |

Frequency of Occurrence of Cancers, Opportunistic Infections or Conditions among people in Contra Costa diagnosed with AIDS

| Cancer, infection or condition | Frequency | Cancer, infection or condition | Frequency |
|--|------------------|---|------------------|
| Cancer, infection or condition | | | |
| Frequency | | | |
| Candidiasis, bronchi, trachea or lungs | 23 | Immunoblastic lymphoma | 29 |
| Candidiasis, esophageal | 146 | Primary lymphoma in brain | 7 |
| Coccidioidomycosis | 6 | Mycobacterium avium complex or M. kansasii | 239 |
| Cryptococcosis | 64 | M. tuberculosis, pulmonary | 74 |
| Cryptosporidiosis | 37 | M. tuberculosis, disseminated or extrapulm. | 31 |
| Cytomegalovirus disease | 58 | Mycobacterium, of other species | 11 |
| Cytomegalovirus retinitis | 64 | Pneumocystis carinii pneumonia | 621 |
| HIV encephalopathy (dementia) | 105 | Recurrent bacterial pneumonia (<12mos) | 1 |
| Herpes simplex (>1 month) | 39 | Progressive multi focal leukoencephalopathy | 16 |
| Histoplasmosis | 4 | Salmonella septicemia, recurrent | 0 |
| Isosporiasis (>1 month) | 2 | Toxoplasmosis of brain | 38 |
| Kaposi's sarcoma | 215 | Wasting | 194 |
| Burkitt's Lymphoma | 8 | Lymphoid interstitial pneumonia | 2 |

* Individual patients may have contracted more than one of the above listed opportunistic infections/conditions.

^φCumulative cases reported from 2/1/82 to 8/31/00

2,139 PEOPLE IN CONTRA COSTA COUNTY DIAGNOSED WITH AIDS

Through August 31, 2000, a cumulative total of **2,139** cases of AIDS were reported to the Public Health Department. This represents a cumulative incidence of **230** per 100,000 population using 2000 population projection data from the California State Department of Finance.

Total AIDS cases reported through 8/31/00

Mode of infection and gender distribution

Adult and adolescent cases (n=2,127)

| Mode of HIV infection | Male (%) | Female (%) | Total (%) |
|--------------------------------------|--------------------|------------------|--------------------|
| Gay/bisexual | 1,277 (71.0) | 0 (0) | 1,277 (60.1) |
| Heterosexual injection drug use | 305 (16.9) | 165 (50.5) | 470 (22.1) |
| Gay/bisexual injection drug use | 111 (6.2) | 0 (0) | 111 (5.2) |
| Hemophilia | 16 (0.9) | 0 (0) | 16 (0.7) |
| Heterosexual contact | 11 (0.6) | 127 (38.8) | 138 (6.5) |
| Transfusion with blood/blood product | 28 (1.6) | 16 (4.9) | 44 (2.1) |
| Risk under investigation | 52 (2.8) | 19 (5.8) | 71 (3.3) |
| Total | 1,800 (100) | 327 (100) | 2,127 (100) |

Pediatric cases (n=12)

| Mode of HIV infection | Male (%) | Female (%) | Total (%) |
|--------------------------------------|----------------|----------------|-----------------|
| Parent at risk or has HIV/AIDS | 4 (57.1) | 5 (100) | 9 (75.0) |
| Transfusion with blood/blood product | 3 (42.9) | 0 (0) | 3 (25.0) |
| Total | 7 (100) | 5 (100) | 12 (100) |

Total AIDS Cases Reported in Contra Costa through 8/31/00 Race/Ethnicity Distribution

| Race/ethnicity | Adult/adolescent cases (%) | Pediatric cases (%) | Total (%) |
|-------------------------|----------------------------|---------------------|--------------------|
| White | 1,216 (57.2) | 4 (33.3) | 1,220 (57.0) |
| African American | 636 (29.9) | 4 (33.3) | 640 (29.9) |
| Latino | 224 (10.5) | 4 (33.3) | 228 (10.7) |
| Asian/Pacific Islander | 42 (2.0) | 0 (0) | 42 (2.0) |
| Native American/Alaskan | 9 (0.4) | 0 (0) | 9 (0.4) |
| Total | 2,127 (100) | 12 (100) | 2,139 (100) |

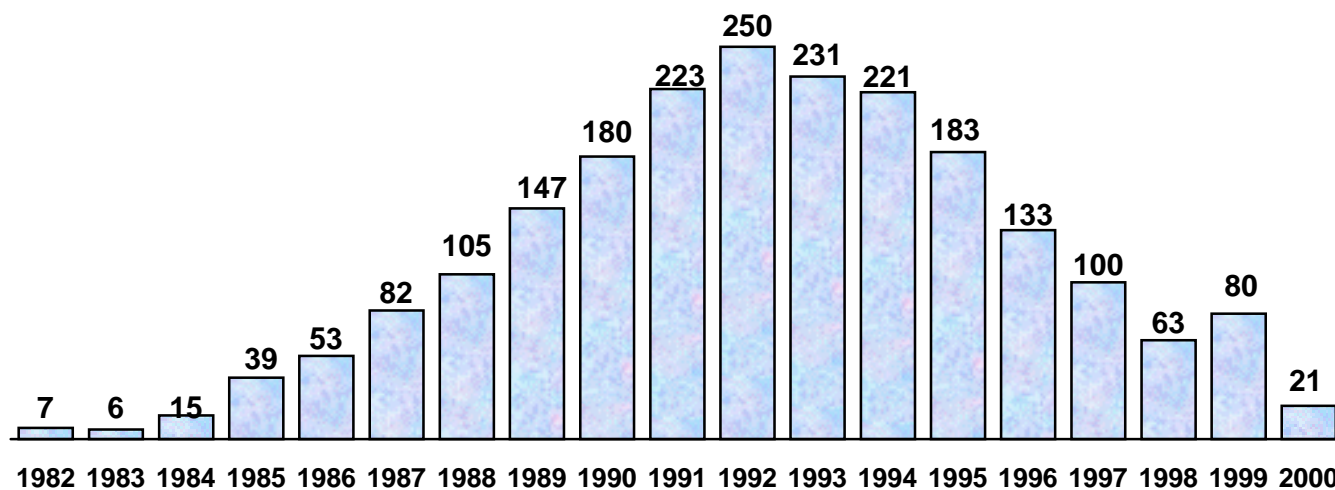
Age Distribution

(Age at time of diagnosis)

| Age Groups | Total (%) |
|--------------|--------------------|
| <5 | 8 (0.4) |
| 5-12 | 4 (0.2) |
| 13-19 | 9 (0.4) |
| 20-29 | 257 (12.0) |
| 30-39 | 892 (41.7) |
| 40-49 | 665 (31.1) |
| 50-59 | 200 (9.3) |
| 60-69 | 75 (3.5) |
| >69 | 29 (1.4) |
| Total | 2,139 (100) |

Year of Diagnosis

(new diagnoses)



People in Contra Costa County Living with AIDS
as of 8/31/00 (n=755)

Mode of Infection and Gender Distribution

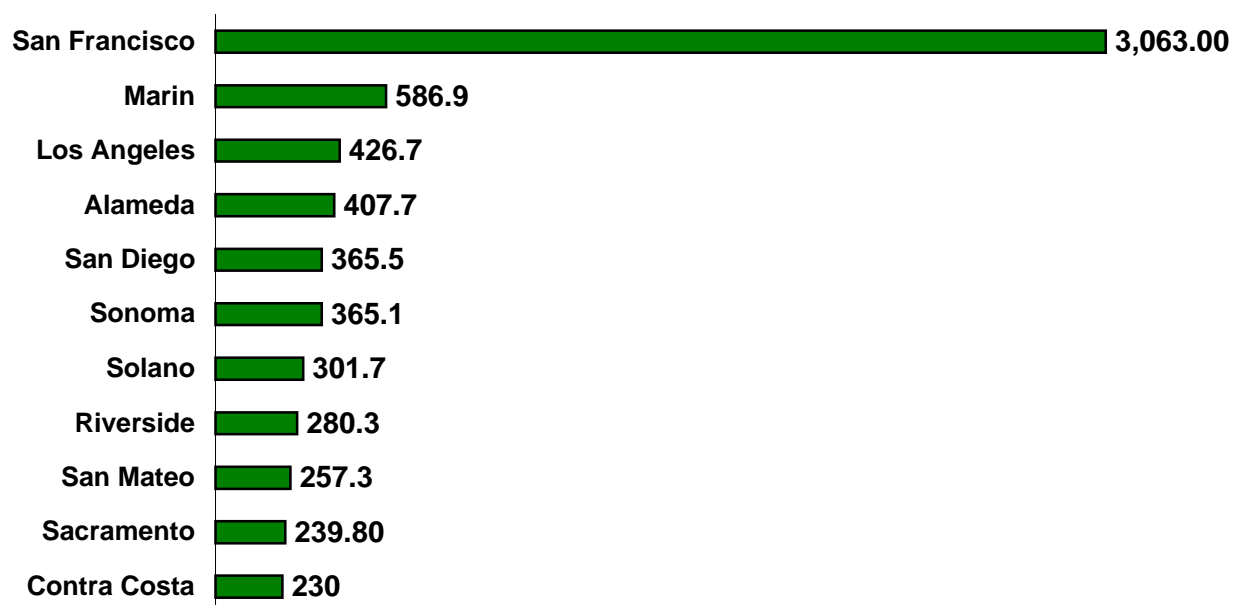
| Mode of infection | Male (%) | Female (%) | Total (%) |
|---|------------------|-------------------|-------------------|
| Gay/Bisexual | 413 (69.7) | 0 (0) | 413 (54.7) |
| Heterosexual injection drug use | 109 (18.4) | 80 (49.4) | 189 (25.0) |
| Gay/bisexual drug use | 34 (5.7) | 0 (0) | 34 (4.5) |
| Hemophilia | 4 (0.7) | 0 (0) | 4 (0.5) |
| Heterosexual contact | 5 (0.8) | 64 (39.5) | 69 (9.1) |
| Transfusion with blood/blood product | 1 (0.2) | 5 (3.1) | 6 (0.8) |
| Parent at risk for HIV | 3 (0.5) | 2 (1.2) | 5 (0.7) |
| Risk under investigation | 24 (4.0) | 11 (6.8) | 35 (4.7) |
| Total | 593 (100) | 162 (100) | 755 (100) |

Race/ethnicity

| Race/ethnicity | Adult/adolescent | Pediatric | Total (%) |
|--------------------------------|-------------------------|------------------|-------------------|
| White | 390 | 0 | 390 (51.6) |
| African American | 251 | 2 | 253 (33.5) |
| Latino | 86 | 3 | 89 (11.8) |
| Asian/Pacific Islander | 21 | 0 | 21 (2.8) |
| Native American/Alaskan | 2 | 0 | 2 (0.3) |
| Total | 750 | 5 | 755 (100) |

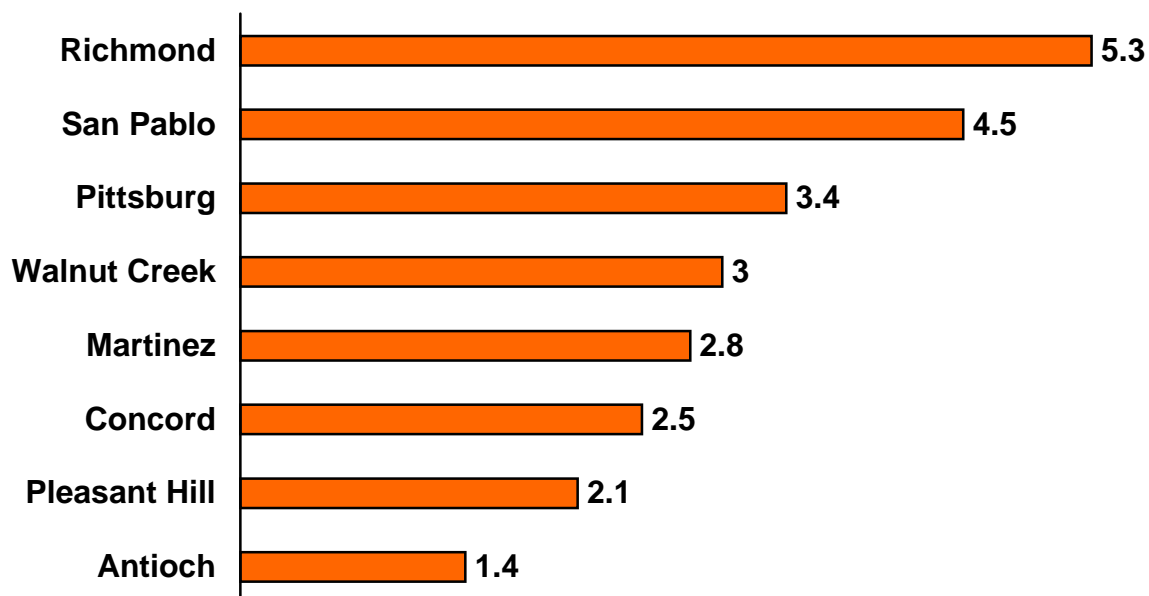
California Counties with the Highest Cumulative Incidence of AIDS

Cases per 100,000 population using 1999 population data projection data from California State Department of Finance, as of 8/31/00



Contra Costa Cities with Highest Cumulative Incidence of AIDS

Incidence per 1,000 population using 1999 population projection data from California State Department of Finance; reported for cities with >50 cases, as of 8/31/00



People in Contra Costa with AIDS

By city of residence

As of 8/31/00

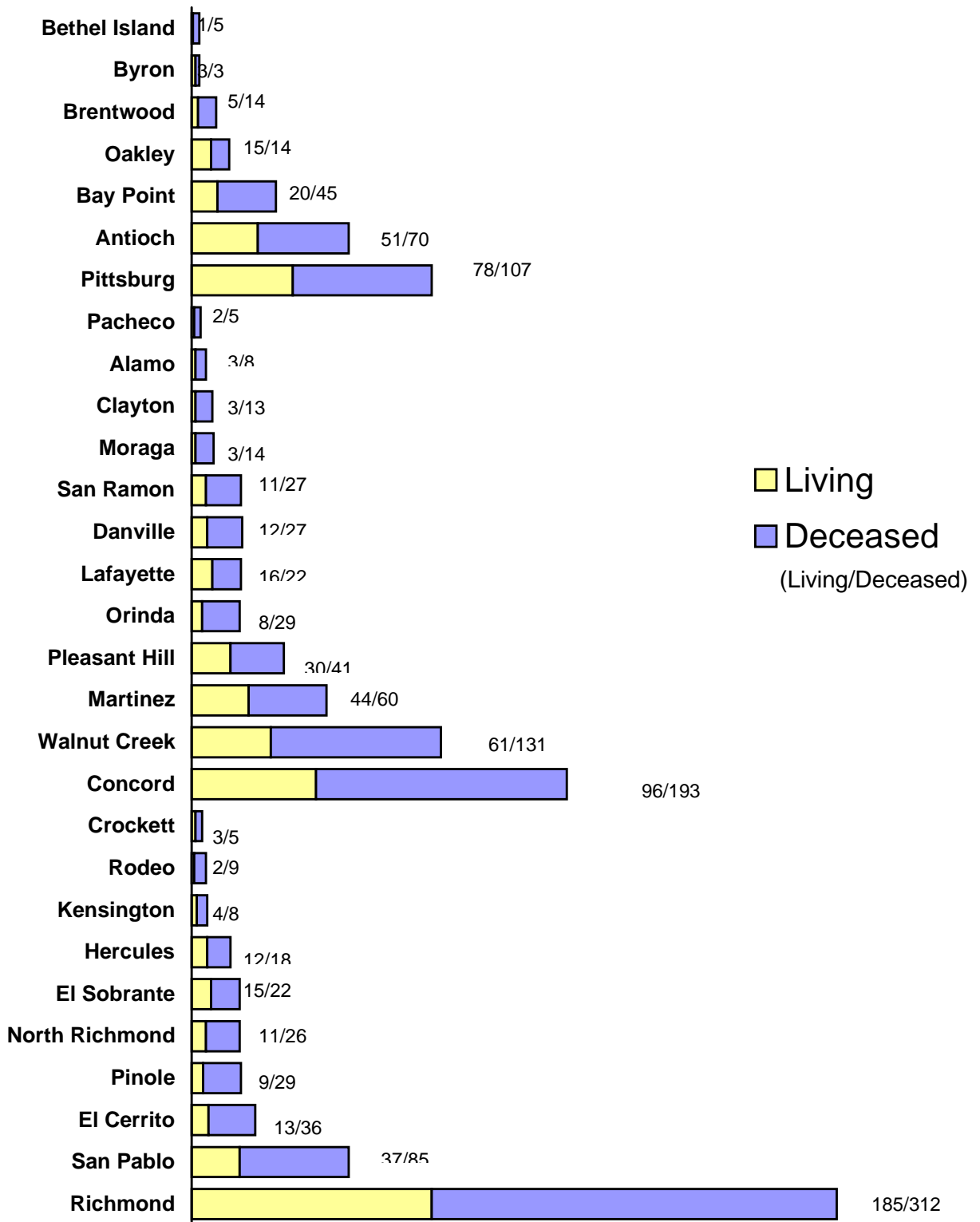
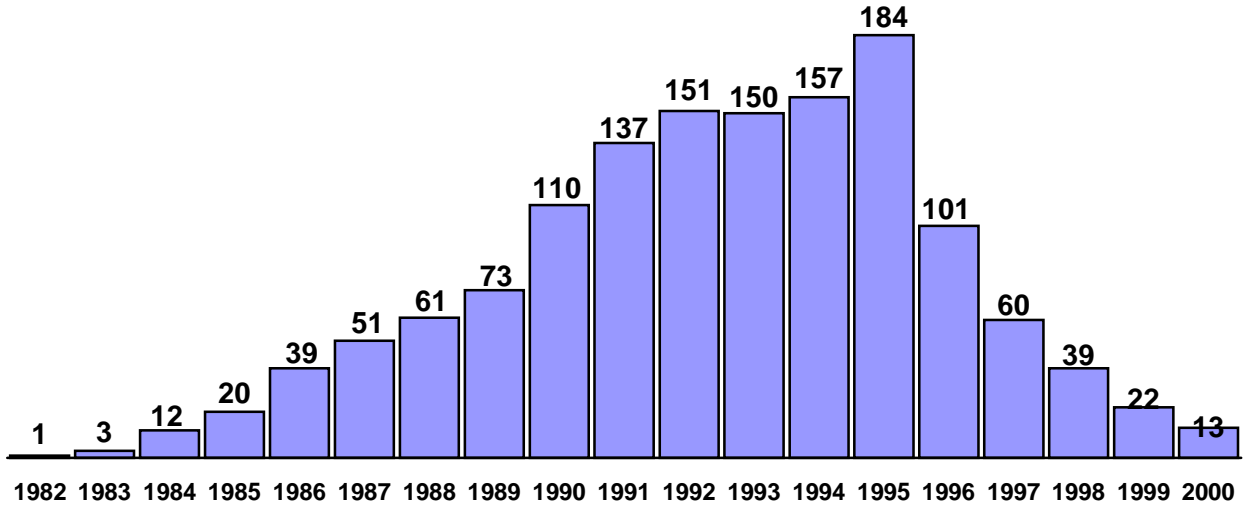


Chart includes only cities with 5 or more Reported cases. Four additional cities have reported a total of 8 cases.

Deaths among people diagnosed with AIDS

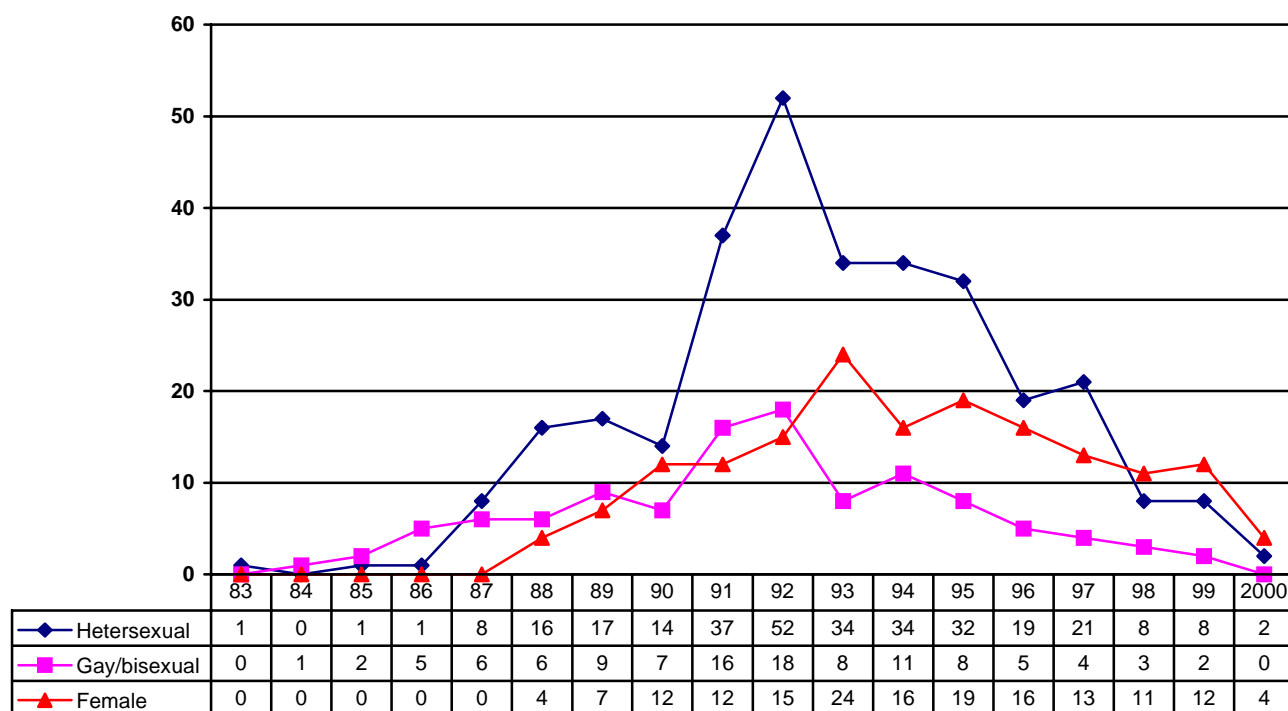
By year of death, as of 8/31/00 (n=1,384)



Heterosexual, Gay and Female Injection Drug Users Diagnosed with AIDS

Since the first years of the AIDS epidemic in the county an increasing number of AIDS cases are injection drug users (IDUs). Presently, IDUs make up 27.2% (n=581*) of all the AIDS cases diagnosed in the county. The data represented in this chart and the table directly below reflect AIDS cases diagnosed through August 31, 2000.

*This number also includes gay/bisexual IDUs (n=111) as of 8/31/00.



Race/ethnicity of Injection Drug Users Diagnosed with AIDS (as of 8/31/00)

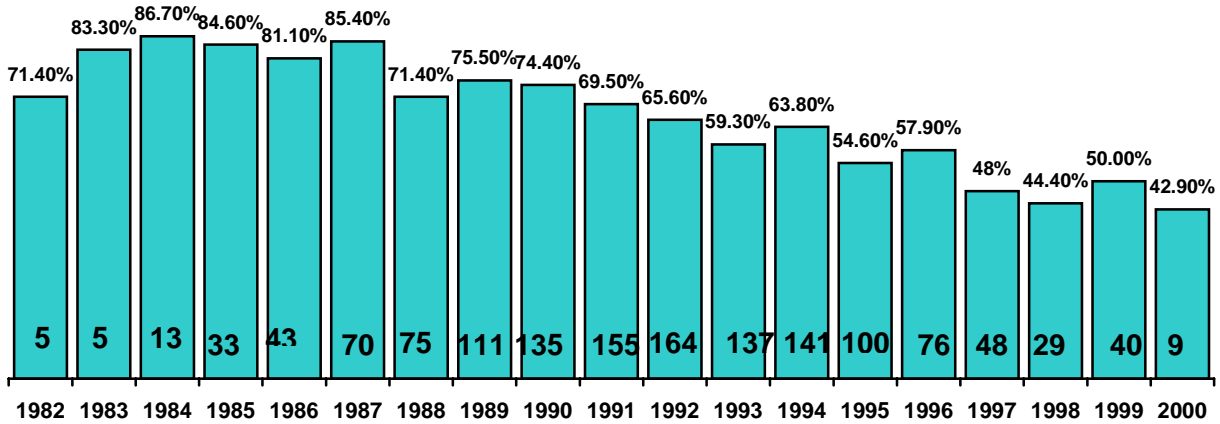
| Race/Ethnicity | Male IDUs | Female IDUs | Total |
|------------------------|------------|-------------|------------------|
| White | 150 | 31 | 181 (31.2) |
| African American | 218 | 126 | 344 (59.2) |
| Latino | 42 | 7 | 49 (8.4) |
| Asian/Pacific Islander | 4 | 1 | 5 (0.9) |
| Native American | 2 | 0 | 2 (0.3) |
| Total | 416 | 165 | 581 (100) |

AIDS among Gay/bisexual Men

(as of 8/31/00)

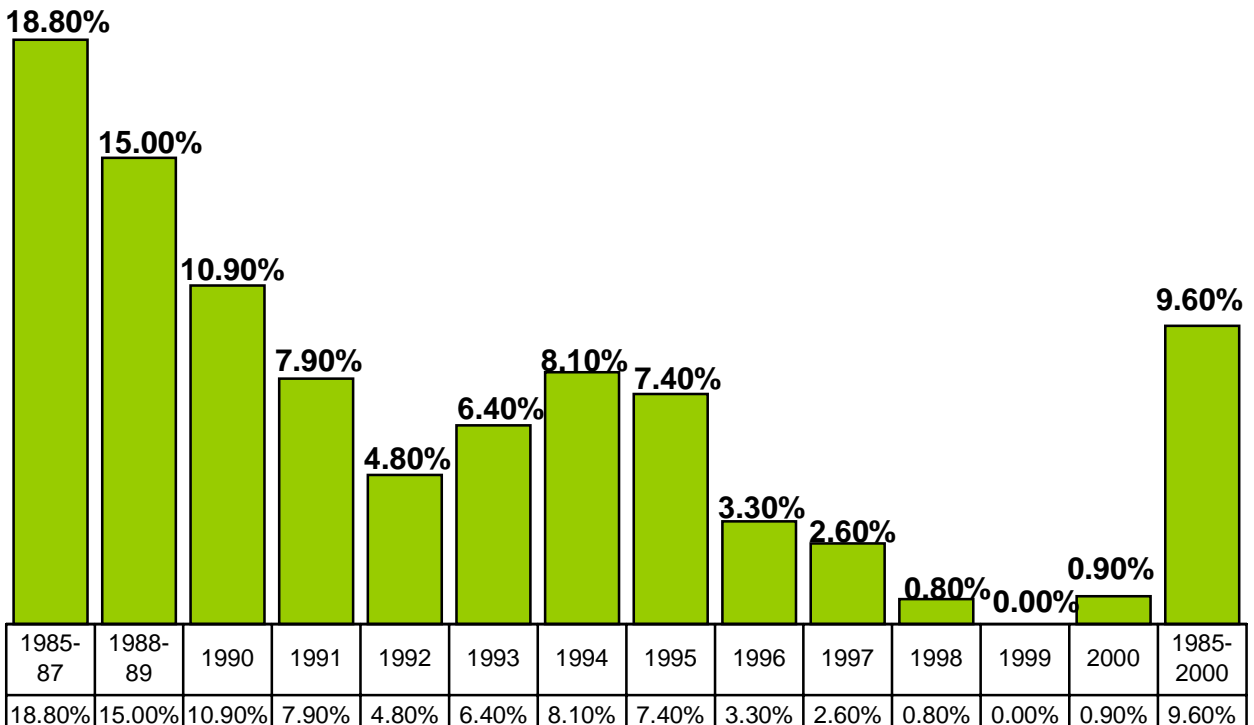
Gay and bisexual men (**n=1,388***), constitute the group from which **64.9%** of all cases have been reported in the county and the largest group from which new cases are emerging. Nevertheless, a declining trend is observed in the proportion of AIDS cases from this group. The actual number of cases is shown inside the bars.)

*This number includes both IDU gay/bisexual men (n=111) and non-IDU gay/bisexual men (n=1,277)



HIV Prevalence among Non-IDU Gay/Bisexual Men

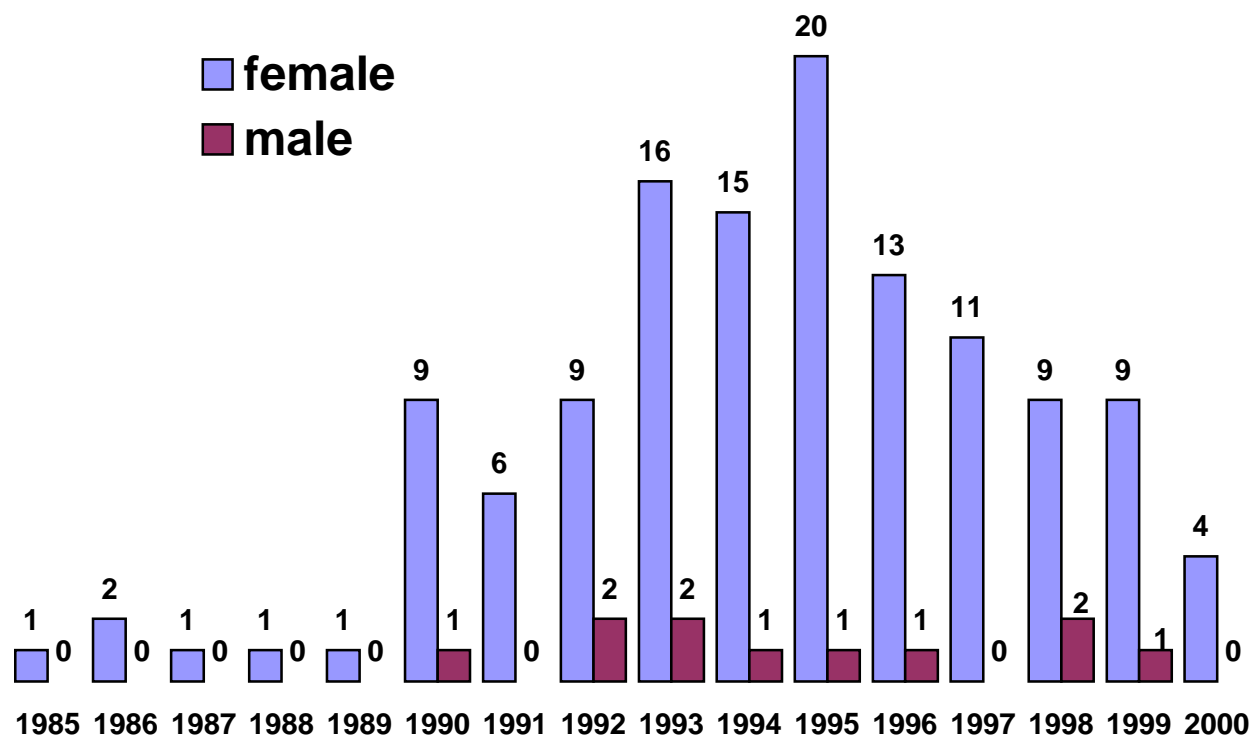
(Voluntarily tested at the publicly funded county clinics, Jan 1985 – July 2000)



AIDS among Men & Women Infected through Heterosexual Contact (excluding IDUs)

AIDS diagnoses among heterosexual men and women

By year of diagnosis, asa of 8/31/00



Summary of AIDS patients infected through heterosexual contact

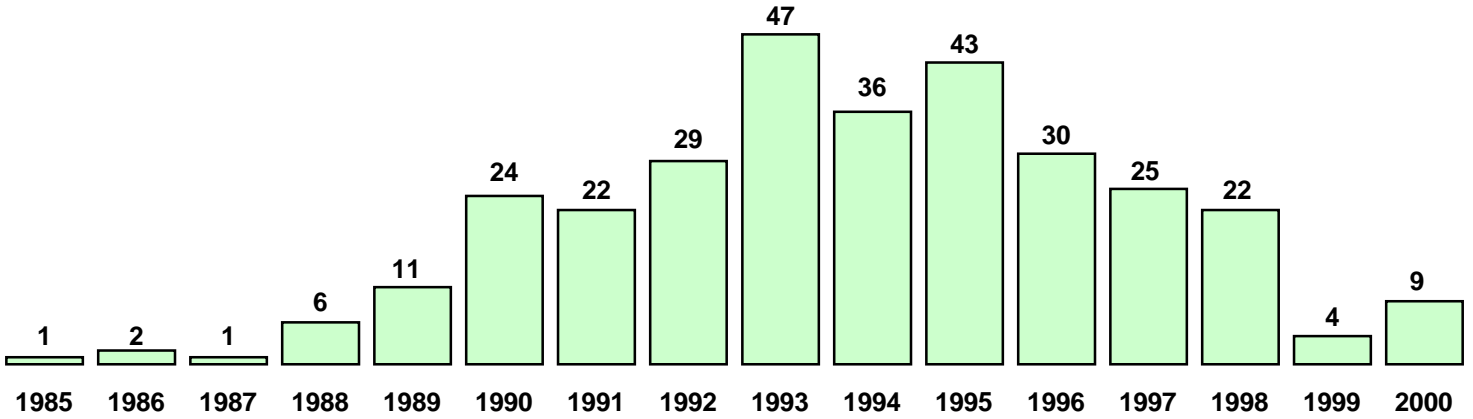
By mode of infection of their infected partner, as of 8/31/00

| Heterosexual Contact with: | Male (%) | Female (%) | Total (%) |
|-----------------------------------|-----------------|------------|------------------|
| Injection drug user | 6 | 64 | 70 (50.7) |
| Bisexual male | - | 27 | 27 (19.6) |
| Hemophiliac | 0 | 1 | 1 (0.7) |
| Transfusion recipient | 0 | 2 | 2 (1.5) |
| HIV+ and risk under investigation | 5 | 33 | 38 (27.5) |
| Total | 11 (100) | 127 | 138 (100) |

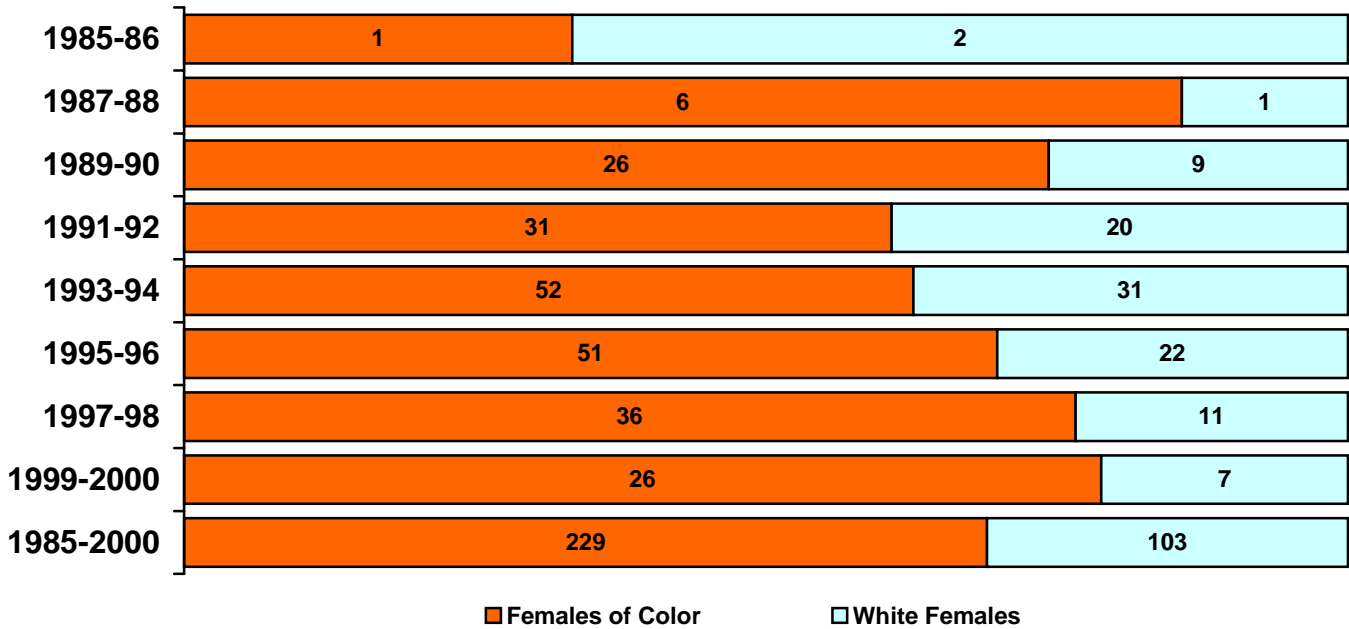
Women constitute **92.0%** of those diagnosed with AIDS who were infected through heterosexual contact. The mode of infection of the heterosexual partner is most often injection drug use (**50.7%**)

AIDS Epidemic among Females

Females with AIDS by the year of diagnosis
As of 8/31/00



Race/ethnicity distribution of females diagnosed with AIDS



| Number of Cases and percentage | |
|--------------------------------|------------------|
| Race/ethnicity | # (%) |
| White | 103 (31.0) |
| African American | 193 (58.1) |
| Latino | 30 (9.1) |
| Asian/Pacific Islander | 6 (1.8) |
| Total | 332 (100) |

HIV Related Services Provided in Contra Costa County

During the period of January through December 1999, the following partial list of services have been reported by community-based organizations and agencies serving people with HIV/AIDS in Contra Costa County. Data is not available from many organizations and individuals assisting those affected by the epidemic but not funded by the CARE Act or HOPWA:

| | |
|-----|--|
| 254 | People received transportation and/or gasoline to attend health and support services |
| 92 | People received transportation van services |
| 13 | People received 999 home-delivered meals |
| 294 | People received food vouchers |
| 343 | People received 9,382 bags of groceries |
| 137 | People received direct emergency assistance to pay for utilities and other bills |
| 330 | People received case management services |
| 114 | People received services at a day support center in Richmond |
| 120 | People received counseling to assist them in applying for benefits |
| 122 | People received housing advocacy assistance |
| 15 | People received 3,305 hours of home care so that they could remain in their homes |
| 57 | People received HIV-related legal services |

Who is Receiving Services in Contra Costa County

In the six month period January 1, 1999 – December 30, 1999 demographic data was collected from **603** individuals (unduplicated) who received services from agencies/programs funded by the federal government under Ryan White CARE Act and Housing Opportunities for people with AIDS (HOPWA).

Income information available on **603** clients

| | N | % |
|------------------------------------|-----|----|
| Less than \$600 per month | 206 | 34 |
| Between \$601 and \$900 per month | 277 | 46 |
| Between \$901 and \$1200 per month | 41 | 7 |
| Over \$1200 per month | 79 | 13 |

HIV/AIDS Status serostatus know of **600** (99.5%) clients

| | N | % |
|---------------------|-----|----|
| AIDS | 425 | 71 |
| Symptomatic HIV | 91 | 15 |
| Non-Symptomatic HIV | 84 | 14 |

Demographic Data of Services Recipients

| Gender | N | % | Primary Language (n=600) | N | % |
|-------------------------------------|----------|----------|---|----------|------|
| Male | 400 | 66 | English | 548 | 91.4 |
| Female | 203 | 34 | Spanish | 41 | 6.8 |
| Race/ethnicity | N | % | Other | 11 | 1.8 |
| White | 196 | 32.5 | Current Living Situation (n=603) | N | |
| African American | 292 | 48.4 | (varies throughout the year) | | |
| Latino | 96 | 15.9 | Homeless in emergency shelter | 86 | |
| Asian/Pacific Islander | 7 | 1.2 | Homeless in streets | 33 | |
| Native American | 6 | 1.0 | Hospital or medical facility | 6 | |
| Unknown | 6 | 1.0 | Hotel/motel | 2 | |
| Mode of transmission (n=545) | N | % | Jail/prison | 6 | |
| Men having sex with men | 211 | 35.0 | Living with friends/relatives | 265 | |
| MSM/IDU | 6 | 1.0 | Owned housing | 38 | |
| Injection drug user | 182 | 30.2 | Psychiatric facility | 1 | |
| Blood product recipient | 6 | 1.0 | Rental housing | 158 | |
| Sex Partner of IDU | 25 | 4.1 | Substance abuse treatment facility | 3 | |
| Heterosexual contact | 138 | 22.9 | Transitional Housing | 4 | |
| Pediatric | 13 | 2.2 | Other | 1 | |
| Other/unknown | 22 | 3.6 | | | |