

HIV/AIDS EPIDEMIOLOGY REPORT



CONTRA COSTA
HEALTH SERVICES

**Public Health
Communicable Disease Programs**

June 2001

William Walker, M.D., Health Services Director
Wendel Brunner, M.D., Director of Public Health
Francie Wise, Communicable Disease Control Chief
Christine Leivermann, AIDS Program Director

Prepared by:
Epidemiology, Surveillance & Health Data Unit
Juan Reardon, M.D.
Maureen McHale
Denise Root
Martin Lynch

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
& Health Data Unit
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

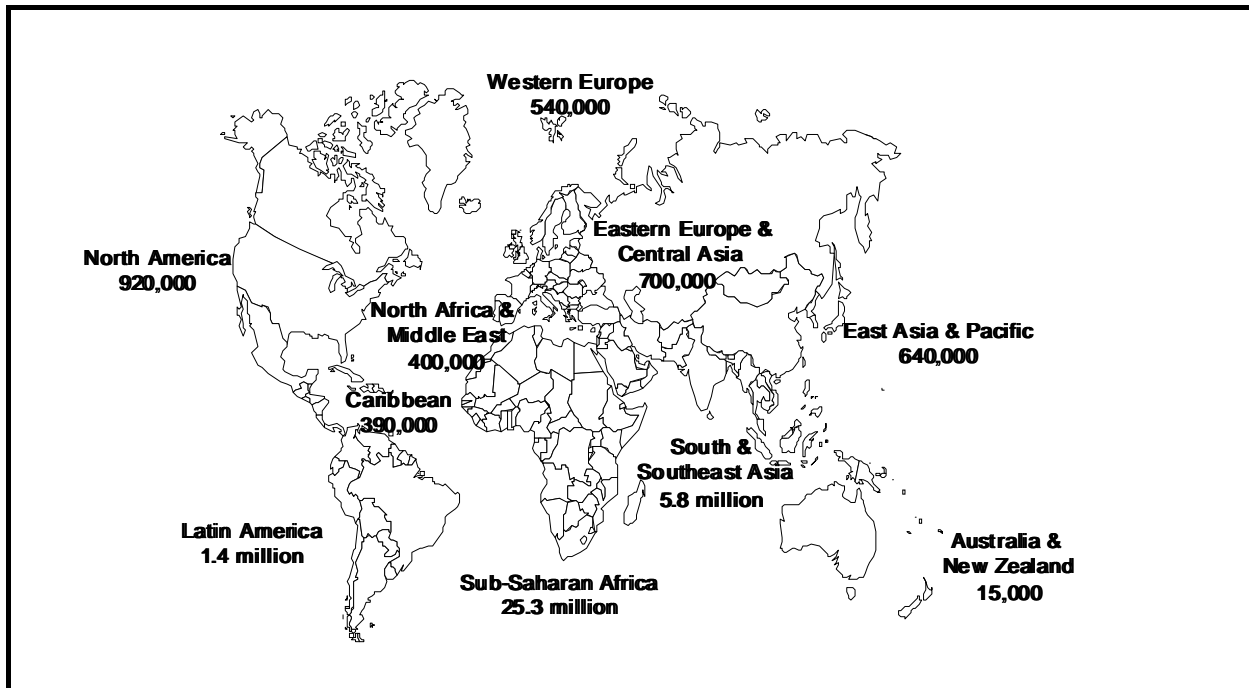
<http://www.igc.org/ccchdata/aids/aids.html>

Also now available

<http://ccpublichealth.org/>

Global Summary of the HIV/AIDS Epidemic

UNAIDS and WHO estimate that the number of people living with HIV or AIDS at the end of the year 2000 stands at 36.1 million. This is more than 50% higher than what WHO's Global Programme on AIDS projected in 1991 on the basis of the data then available. Updated estimates of the number of people living with HIV/AIDS are listed below (figures are as of December 2000*).



People Newly Infected with HIV	Total	5.3 million
	Adults	4.7 million
	Women	2.2 million
	Children	600,000
Number of People Living with HIV	Total	36.1 million
	Adults	34.7 million
	Women	16.4 million
	Children	1.4 million
AIDS Deaths in 1999	Total	3.0 million
	Adults	2.5 million
	Women	1.3 million
	Children	500,000
Total AIDS Deaths Since Epidemic Began	Total	21.8 million
	Adults	17.5 million
	Women	9.0 million
	Children	4.3 million

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

Diagnosing 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 infections, cancers or conditions.*** Below is a table indicating frequencies of how individuals in Contra Costa are diagnosed with AIDS and a frequency list of cancers and infections or conditions reported in those diagnosed with HIV/AIDS*.

Cumulative Cases [‡]			
Diagnosis Category	Adult	Pediatric	Total
Cancer or Opportunistic infection	1,425	12	1,437
Immunological (CD4<200 or 14%)	762	0	762
Total	2,187	12	2,199

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

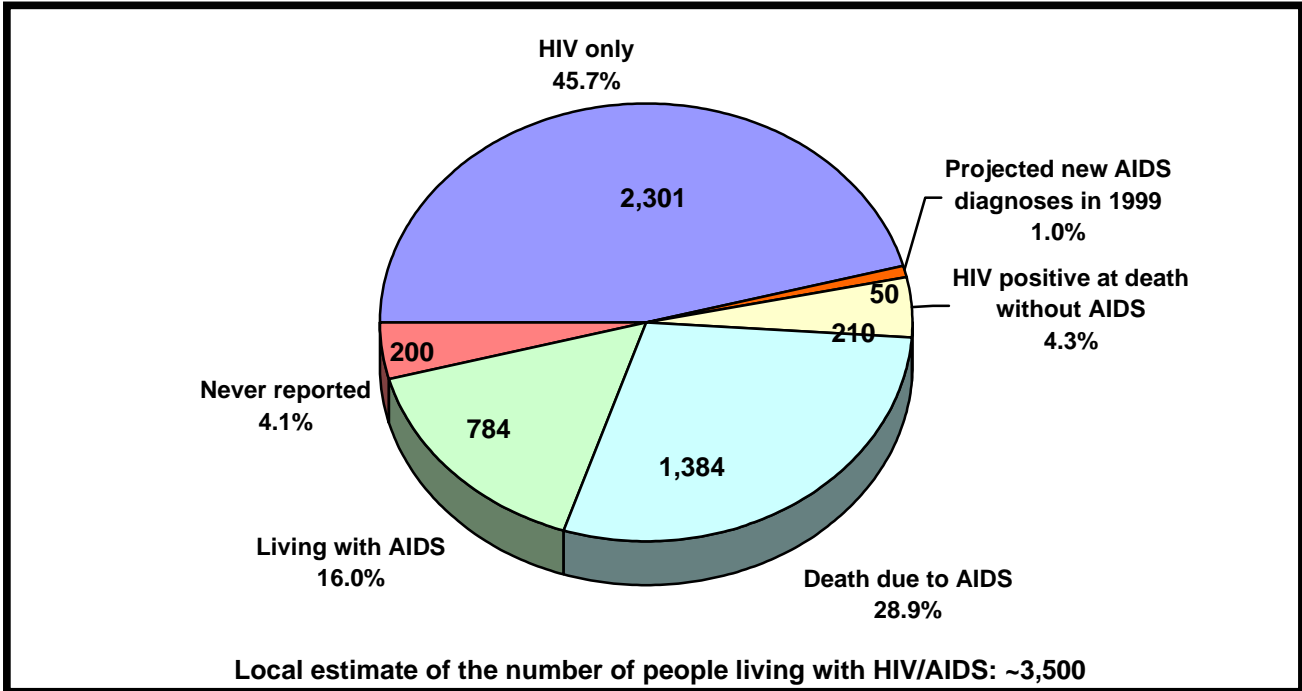
Cancer, infection or condition	Frequency	Cancer, infection or condition	Frequency
Candidiasis, bronchi, trachea or lungs	23	Immunoblastic lymphoma	29
Candidiasis, esophageal	149	Primary lymphoma in brain	8
Coccidioidomycosis	6	Mycobacterium avium complex or M. kansasii	246
Cryptococcosis	67	M. tuberculosis, pulmonary	75
Cryptosporidiosis	36	M. tuberculosis, disseminated or extrapulm.	32
Cytomegalovirus disease	61	Mycobacterium, of other species	11
Cytomegalovirus retinitis	67	Pneumocystis carinii pneumonia	633
HIV encephalopathy (dementia)	112	Recurrent bacterial pneumonia (<12mos)	1
Herpes simplex (>1 month)	40	Progressive multi focal leukoencephalopathy	17
Histoplasmosis	4	Salmonella septicemia, recurrent	0
Isosporiasis (>1 month)	2	Toxoplasmosis of brain	38
Kaposi's sarcoma	219	Wasting	204
Burkitt's Lymphoma	9	Lymphoid interstitial pneumonia	2

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

[‡]Cumulative cases reported from 2/1/82 to 3/31/01

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, **2,199 (44.9%)** have already been diagnosed with and reported to have AIDS and **1,415** of these people have died of AIDS.



Global View of the AIDS Epidemic

		Cases	Deaths	
Contra Costa		2,199	1,415	(3/31/01)
Bay Area*	(State Office of AIDS)	43,315	27,318	(3/31/01)
California	(State Office of AIDS)	120,802	73,992	(3/31/01)
U.S.	(CDC & P)	753,907	438,795	(6/30/00)
World	(WHO)	57.9 million	21.8 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

2,199 PEOPLE IN CONTRA COSTA COUNTY DIAGNOSED WITH AIDS

Through March 31, 2001, a cumulative total of **2,199** cases of AIDS were reported to the Public Health Department. This represents a cumulative incidence of **231.8** per 100,000 population using 2000 Census Data.

Total AIDS cases reported through 3/31/01

Mode of infection and gender distribution

Adult and adolescent cases (n=2,186)

Mode of HIV infection	Male (%)	Female (%)	Total (%)
Gay/bisexual	1,313 (70.9)	0 (0)	1,313 (60.1)
Heterosexual injection drug use	317 (17.1)	169 (50.6)	486 (22.2)
Gay/bisexual injection drug use	112 (6.0)	0 (0)	112 (5.1)
Hemophilia	16 (0.9)	0 (0)	16 (0.7)
Heterosexual contact	15 (0.8)	129 (38.6)	144 (6.6)
Transfusion with blood/blood product	28 (1.5)	16 (4.8)	44 (2.0)
Risk under investigation	51 (2.8)	20 (6.0)	71 (3.3)
Total	1,852 (100)	334 (100)	2,186 (100)

Pediatric cases* (n=13)

Mode of HIV infection	Male (%)	Female (%)	Total (%)
Parent at risk or has HIV/AIDS	5 (62.5)	5 (100)	10 (76.9)
Transfusion with blood/blood product	3 (37.5)	0 (0)	3 (23.1)
Total	8 (100)	5 (100)	13 (100)

*One case was diagnosed with AIDS as an Adult/adolescent but has evidence of being infected as a child. These types of cases are counted as Adult/adolescent cases in all tables but the Mode of Infection tables.

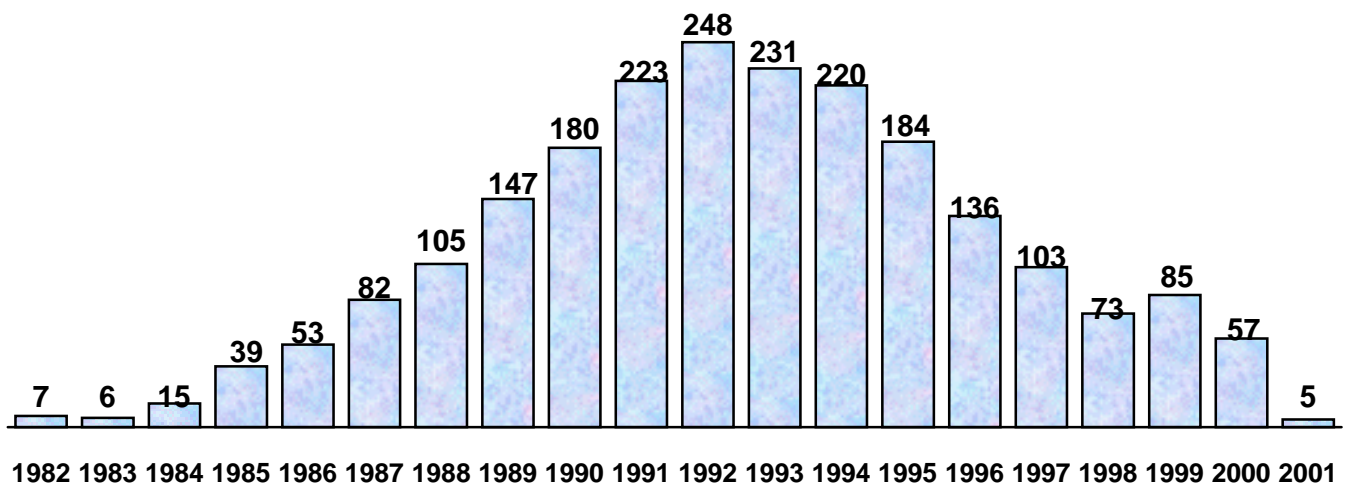
Total AIDS Cases Reported in Contra Costa through 3/31/01 Race/Ethnicity Distribution

Race/ethnicity	Adult/adolescent cases (%)	Pediatric cases (%)	Total (%)
White	1,248 (57.0)	4 (33.3)	1,252 (56.9)
African American	658 (30.1)	4 (33.3)	662 (30.1)
Latino	229 (10.5)	4 (33.3)	233 (10.6)
Asian/Pacific Islander	43 (2.0)	0 (0)	43 (2.0)
Native American/Alaskan	9 (0.4)	0 (0)	9 (0.4)
Total	2,187 (100)	12 (100)	2,199 (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	261 (11.9)
30-39	917 (41.7)
40-49	685 (31.1)
50-59	209 (9.5)
60-69	76 (3.5)
>69	30 (1.3)
Total	2,199 (100)

Year of Diagnosis (new diagnoses)



People in Contra Costa County Living with AIDS
As of 3/31/01 (n=784)

Mode of Infection and Gender Distribution

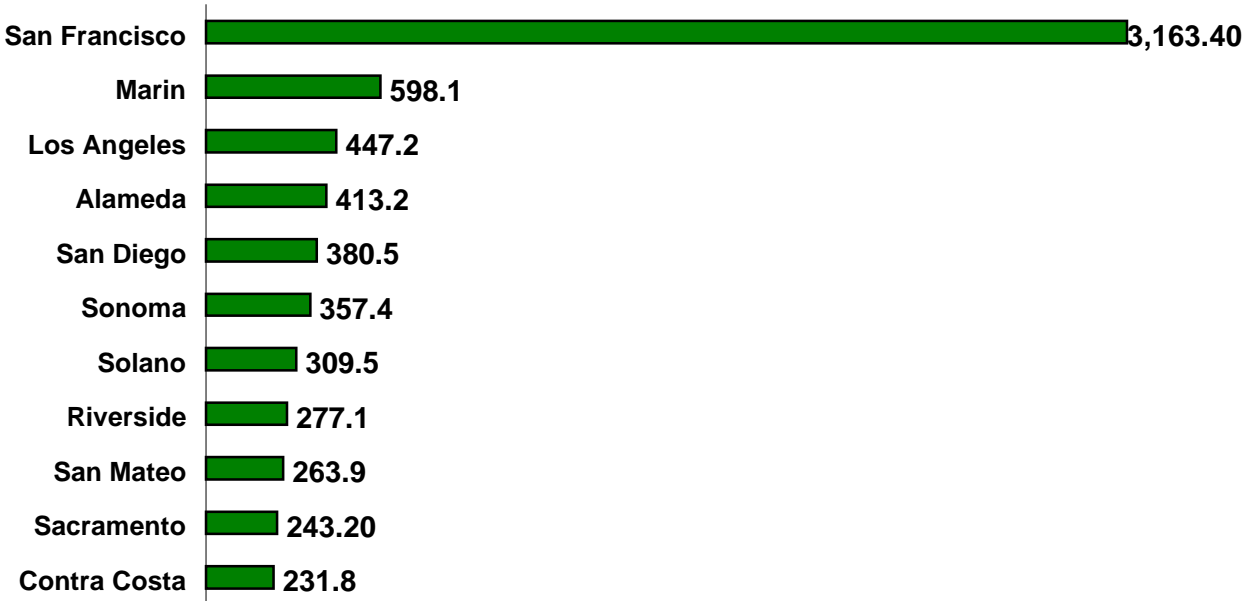
Mode of infection	Male (%)	Female (%)	Total (%)
Gay/Bisexual	438 (70.3)	0 (0)	438 (55.9)
Heterosexual injection drug use	113 (18.1)	79 (49.1)	192 (24.5)
Gay/bisexual drug use	3 (5.1)	0 (0)	32 (4.1)
Hemophilia	4 (0.6)	0 (0)	4 (0.5)
Heterosexual contact	9 (1.5)	64 (39.8)	73 (9.3)
Transfusion with blood/blood product	1 (0.2)	5 (3.1)	6 (0.8)
Parent at risk for HIV	3 (0.5)	2 (1.2)	5 (0.6)
Risk under investigation	23 (3.7)	11 (6.8)	34 (4.3)
Total	593 (100)	161 (100)	784 (100)

Race/ethnicity

Race/ethnicity	Adult/adolescent	Pediatric	Total (%)
White	412	0	412 (55.5)
African American	258	2	260 (33.2)
Latino	86	3	89 (11.3)
Asian/Pacific Islander	21	0	21 (2.7)
Native American/Alaskan	2	0	2 (0.3)
Total	779	5	784 (100)

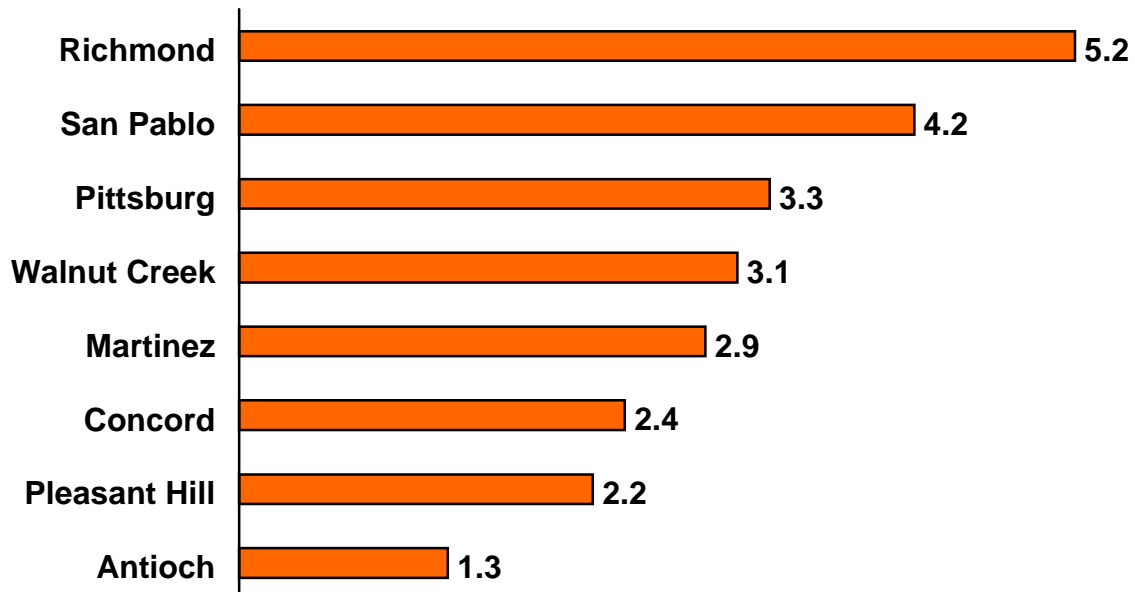
California Counties with the Highest Cumulative Incidence of AIDS

Cases per 100,000 population using 2000 Census data, as of 3/31/01



Contra Costa Cities with Highest Cumulative Incidence of AIDS

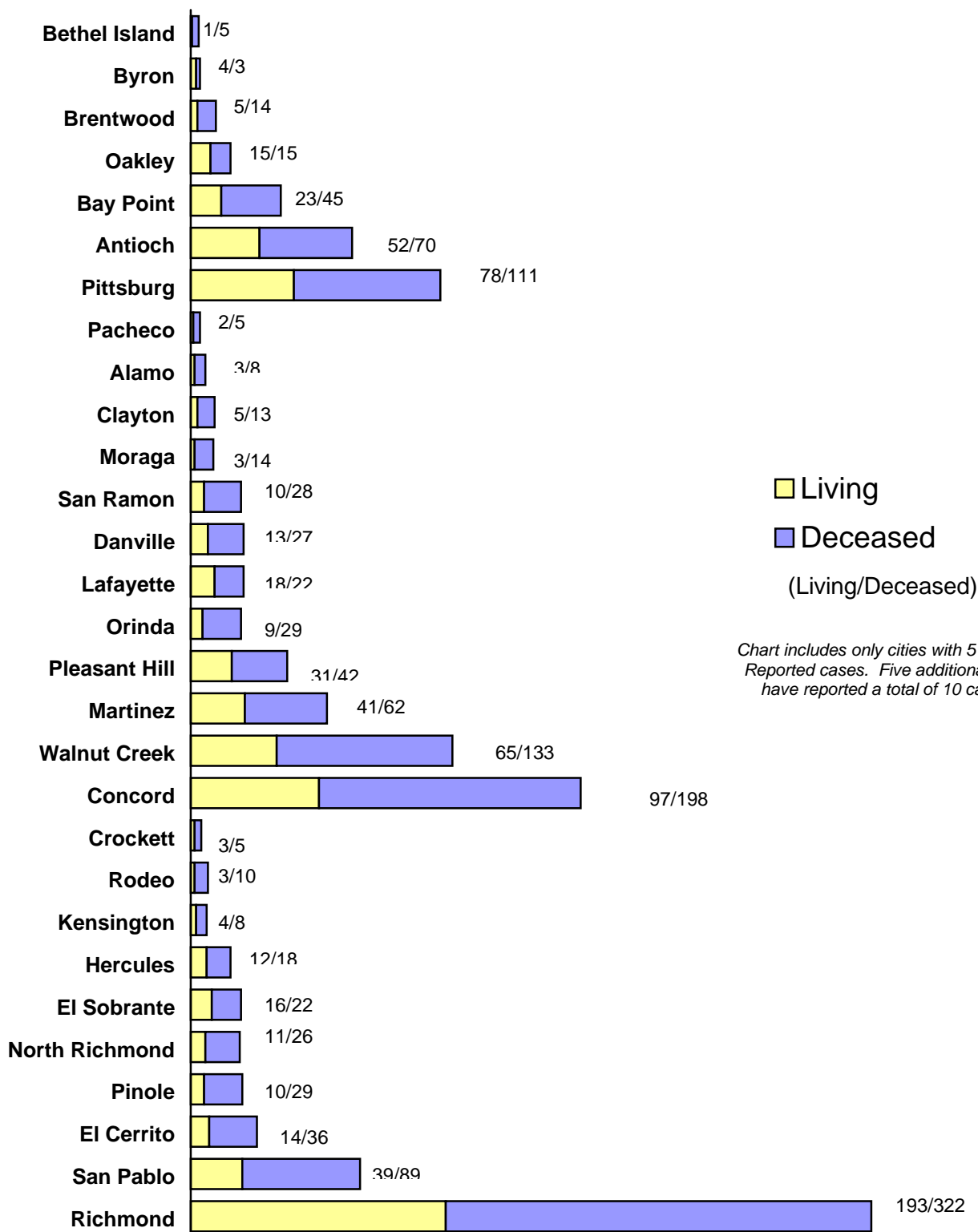
Incidence per 1,000 population using 2000 Census data; reported for cities with >50 cases, as of 3/31/01



People in Contra Costa with AIDS

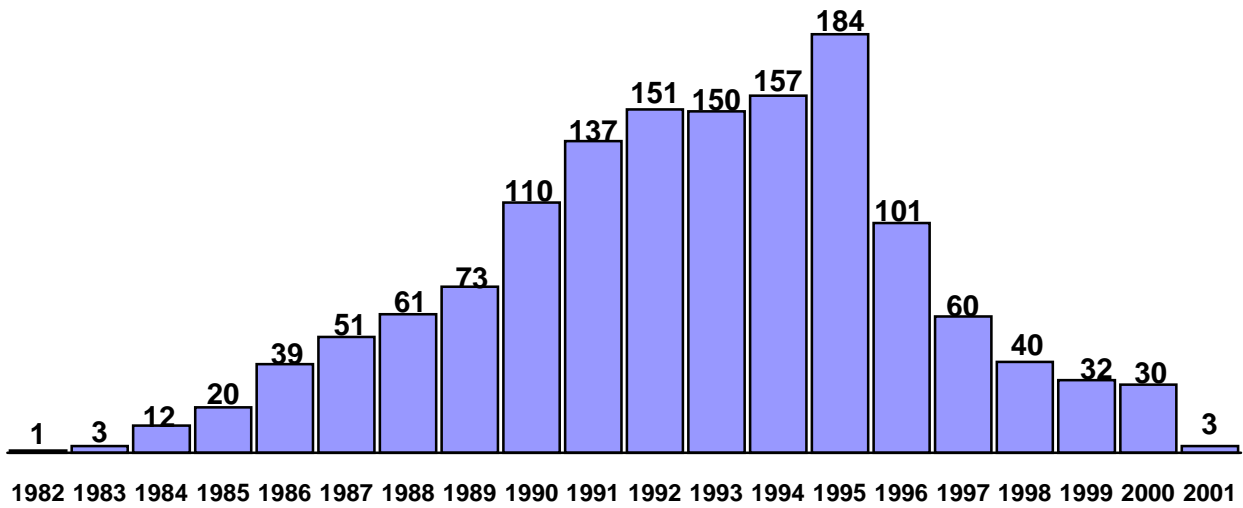
By city of residence

As of 3/31/01



Deaths among people diagnosed with AIDS

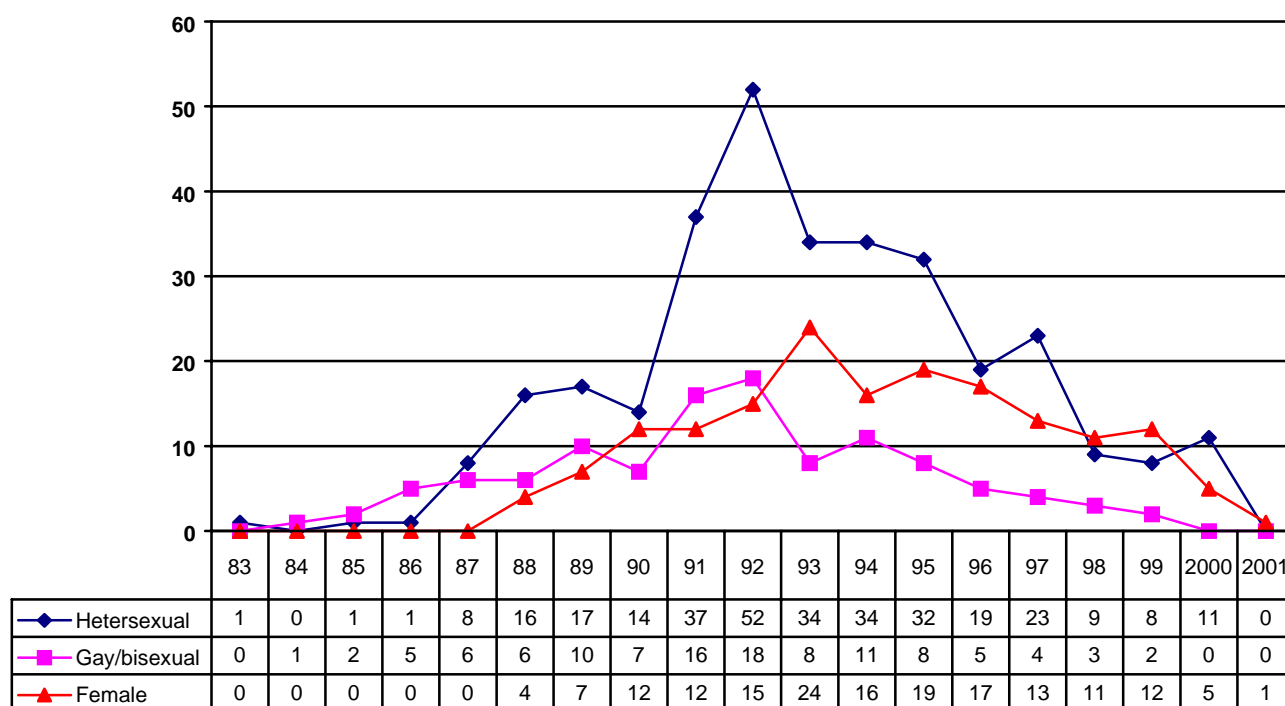
By year of death, as of 3/31/01 (n=1,415)



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=598*) 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 March 30, 2001.

*This number also includes gay/bisexual IDUs (n=112) as of 3/31/01.



Race/ethnicity of Injection Drug Users Diagnosed with AIDS (as of 3/31/01)

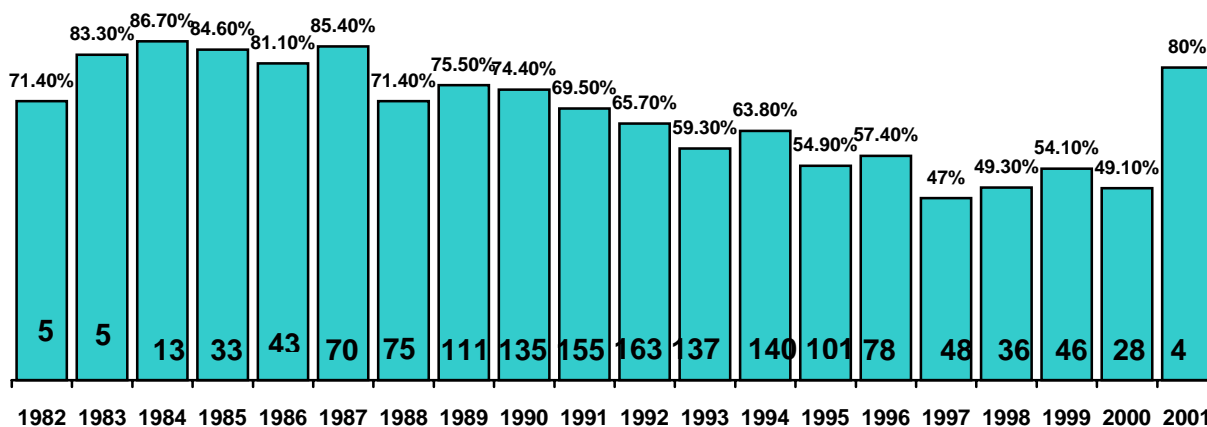
Race/Ethnicity	Male IDUs	Female IDUs	Total
White	153	33	186 (31.1)
African American	228	128	356 (59.5)
Latino	42	7	49 (8.2)
Asian/Pacific Islander	4	1	5 (0.9)
Native American	2	0	2 (0.3)
Total	429	169	598 (100)

AIDS among Gay/bisexual Men

(as of 3/31/01)

Gay and bisexual men (n=1,425*), constitute the group from which 64.8% 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=112) and non-IDU gay/bisexual men (n=1,313)



Persons with AIDS who are men having sex with men By race ethnicity and age groups

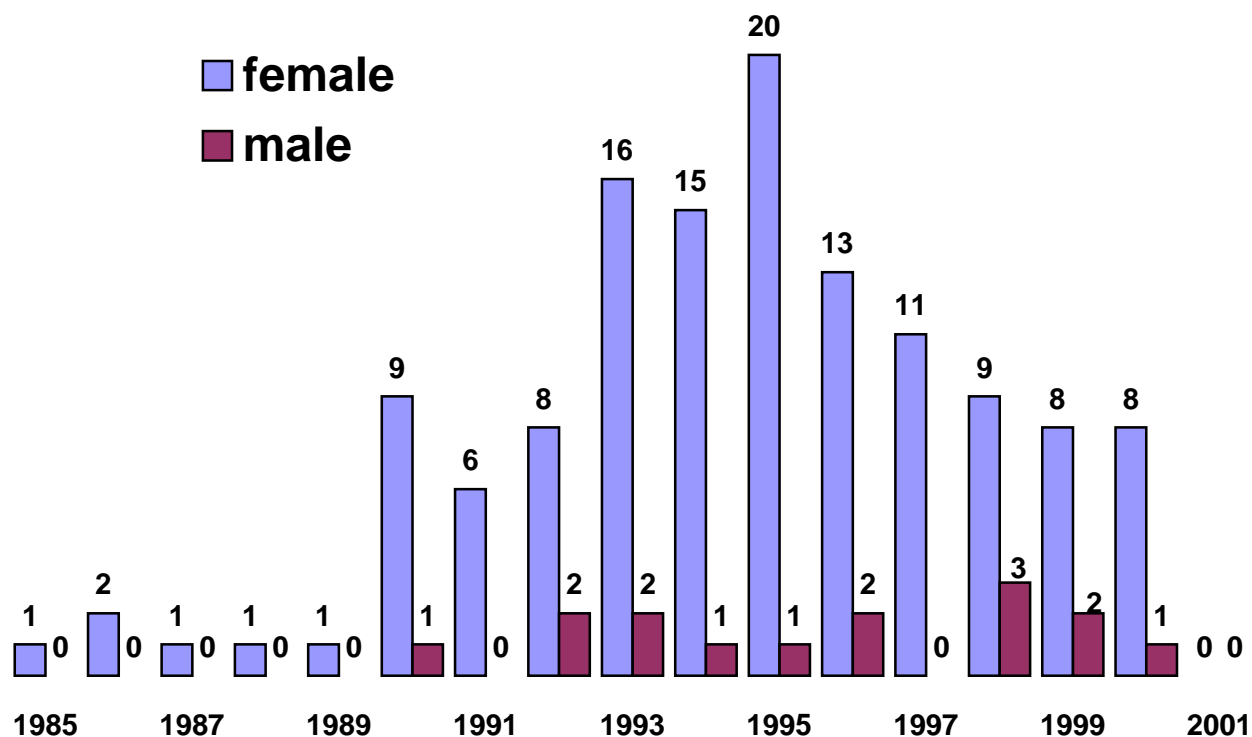
This number includes both IDU gay/bisexual men (n=112) and non-IDU gay/bisexual men (n=1,313) as of 3/31/01

Age Groups	White	African American	Latino	Asian/Pacific Islander	Native American	Total
10-19	0	1	0	0	0	1
20-29	116	41	24	3	0	184
30-39	438	95	72	12	6	623
40-49	306	63	33	10	3	415
50-59	102	31	14	2	0	149
60-69	334	3	6	1	0	44
70-79	7	2	0	0	0	9
Total	1003	236	149	28	9	1425

AIDS among men & women Infected through Heterosexual Contact (excluding IDUs)

AIDS diagnoses among heterosexual men and women

By year of diagnosis, asa of 3/31/01



Summary of AIDS patients infected through heterosexual contact

By mode of infection of their infected partner, as of 3/31/01

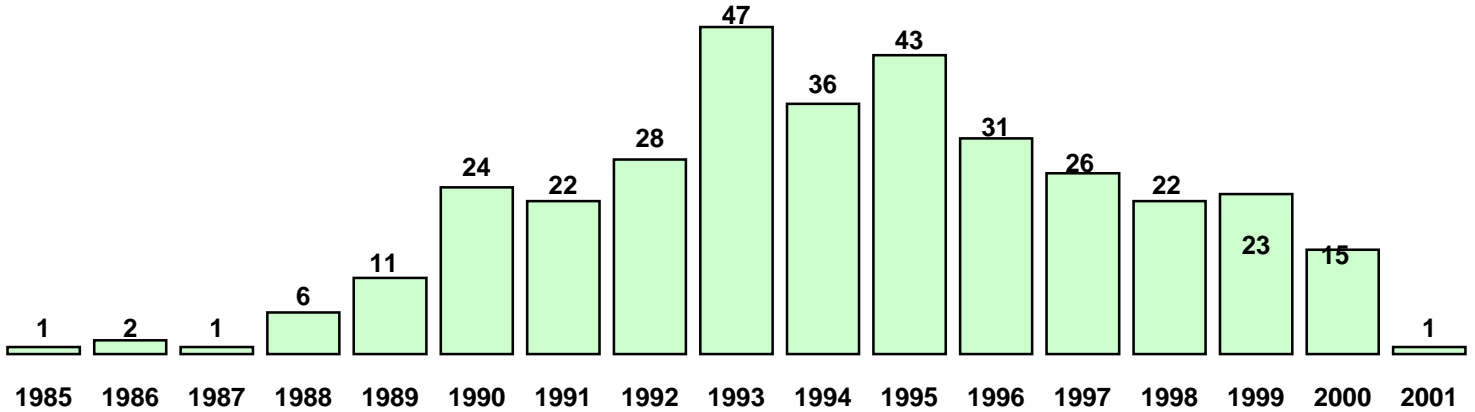
Women constitute 89.60% of those diagnosed with AIDS who were infected through heterosexual contact.

The mode of infection of the heterosexual partner is most often injection drug use (49.3%)

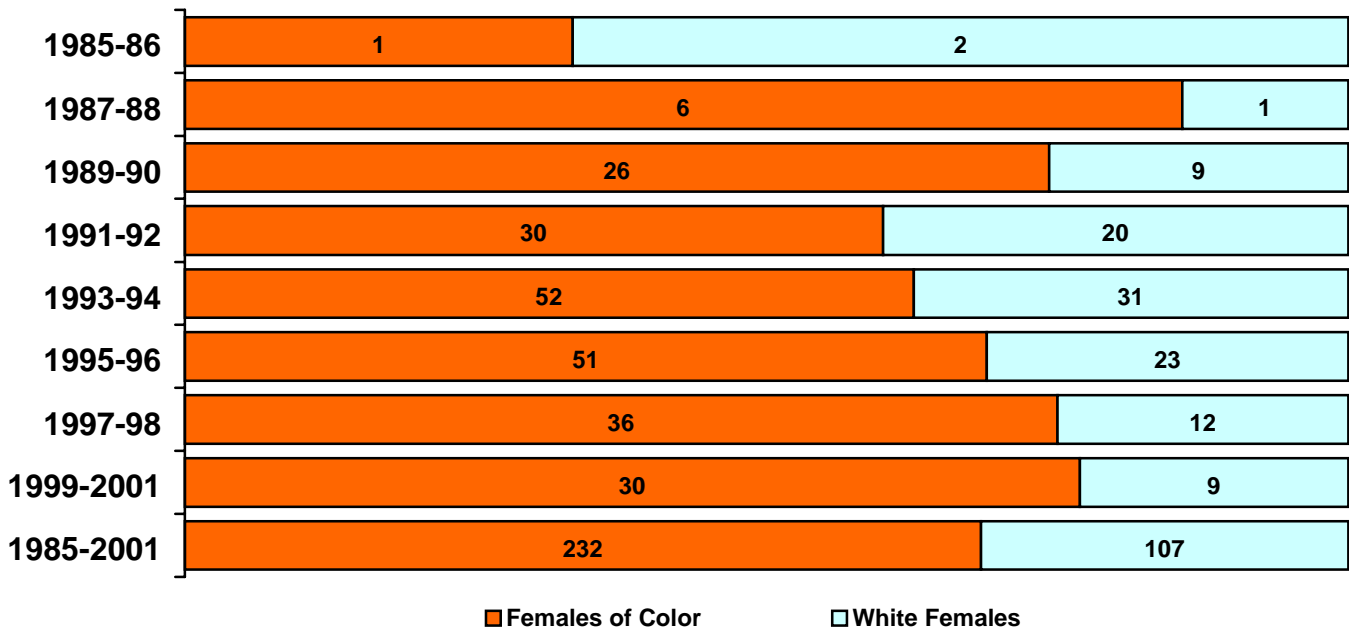
Heterosexual Contact with:	Male (%)	Female (%)	Total (%)
Injection drug user	6	65	71 (49.3)
Bisexual male	-	27	27 (18.7)
Hemophiliac	0	1	1 (0.7)
Transfusion recipient	0	2	2 (1.4)
HIV+ and risk under investigation	9	34	43 (29.9)
Total	15 (100)	127	144 (100)

AIDS Epidemic among Females

Females with AIDS by the year of diagnosis
As of 3/31/01



Race/ethnicity distribution of females diagnosed with AIDS



Number of Cases and percentage	
Race/ethnicity	# (%)
White	107 (31.6)
African American	198 (58.4)
Latino	28 (8.2)
Asian/Pacific Islander	6 (1.8)
Total	339 (100)

Children with HIV/AIDS

12 Contra Costa children (1-12 years) have been diagnosed with AIDS
97 Contra Costa children have tested positive for HIV

Children's Hospital Oakland Pediatric AIDS/HIV Program has evaluated, cared for and monitored **97** patients under the age of eighteen living in Contra Costa who at sometime presented antibodies against HIV. **Five** of these patients have been infected from blood products. The mode of exposure of one child is still under investigation. Of the **91** who were exposed to HIV maternally, an estimated one-third were infected with HIV, while the transient maternal antibodies present in the other two-thirds will disappear by the second year of life.

Demographic characteristics of the above patients

Year of referral to Children's Hospital		Gender (%)	
1986	3	Male	48 (49)
1987	4	Female	49 (51)
1988	3		
1989	6		
1990	11	Race/ethnicity (%)	
1991	10	White	26 (27)
1992	3	African American	57 (59)
1993	12	Latino	14 (14)
1994	2		
1995	9	Maternal infection through (%)	
1996	7	Injection drug use	53 (58)
1997	2	Heterosexual contact	28 (31)
1998	12	Undetermined	10 (11)
1999	8		
2001	1		

California set to enact rules for tracking people with HIV

By Dorsey Griffith, SCRIPPS-McCLATCHY NEW SERVICE

Although the state has the second highest number of reported AIDS cases in the country California is one of the last three states to put in place a system for reporting HIV.

The new rule will use alphanumeric codes, not names, to track the disease. Californians also will still have access to anonymous HIV testing sites; those results will not be included in the new HIV reporting system.

"If California does not have an efficient HIV-reporting system, it could mean our data is not representative of our epidemic, and we could lose funds," said Vanessa Baird, assistant chief of the State Office of AIDS.

Information such as the patient's gender, race or ethnicity, age and how they likely became infected will be collected under the new system but not tracked by the patient's identity.

Excerpted from April 26, 2001 issue of the Contra Costa Times

HIV Related Services Provided in Contra Costa County

During the period of **July through December 2000**, 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:

317	People received transportation and/or gasoline to attend health and support services
55	People received transportation van services
13	People received 999 home-delivered meals
311	People received food vouchers
343	People received 9,382 bags of groceries
152	People received direct emergency assistance to pay for utilities and other bills
355	People received case management services
139	People received services at a day support center in Richmond
140	People received counseling to assist them in applying for benefits
127	People received housing advocacy assistance
113	People received 1,582 hours of home care so that they could remain in their homes
101	People received HIV-related legal services

Who is Receiving Services in Contra Costa County

In the six month period **July through December 2000** demographic data was collected from **676** 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 **629** clients

	N	%
Less than \$600 per month	191	30.4
Between \$601 and \$900 per month	292	46.4
Between \$901 and \$1200 per month	74	11.8
Over \$1200 per month	72	11.4

HIV/AIDS Status serostatus know of **662** (98%) clients

	N	%
AIDS	346	52.3
Symptomatic HIV	117	17.7
Non-Symptomatic HIV	199	30.0

Demographic Data of Services Recipients (n=676)

Gender	N	%	Primary Language	N	%
Male	458	67.7	English	627	92.7
Female	218	32.3	Spanish	33	4.9
			Other	16	2.4
Race/ethnicity	N	%	Current Living Situation (n=633)		
White	194	28.7	(varies throughout the year)		
African American	339	50.1	Homeless in emergency shelter		19
Latino	87	12.9	Homeless in streets		17
Asian/Pacific Islander	11	1.6	Hospital or medical facility		0
Native American	10	1.5	Hotel/motel		3
Unknown	35	5.2	Jail/prison		1
Mode of transmission	N	%	Living with friends/relatives		209
Men having sex with men	189	27.9	Rental housing		369
MSM/IDU	20	3.0	Substance abuse treatment facility		6
Injection drug user	150	22.2	Transitional Housing		5
Blood product recipient	8	1.2	Other		4
Sex Partner of IDU	58	8.6			
Heterosexual contact	190	28.1			
Pediatric	12	1.8			
Other/unknown	49	7.2			

