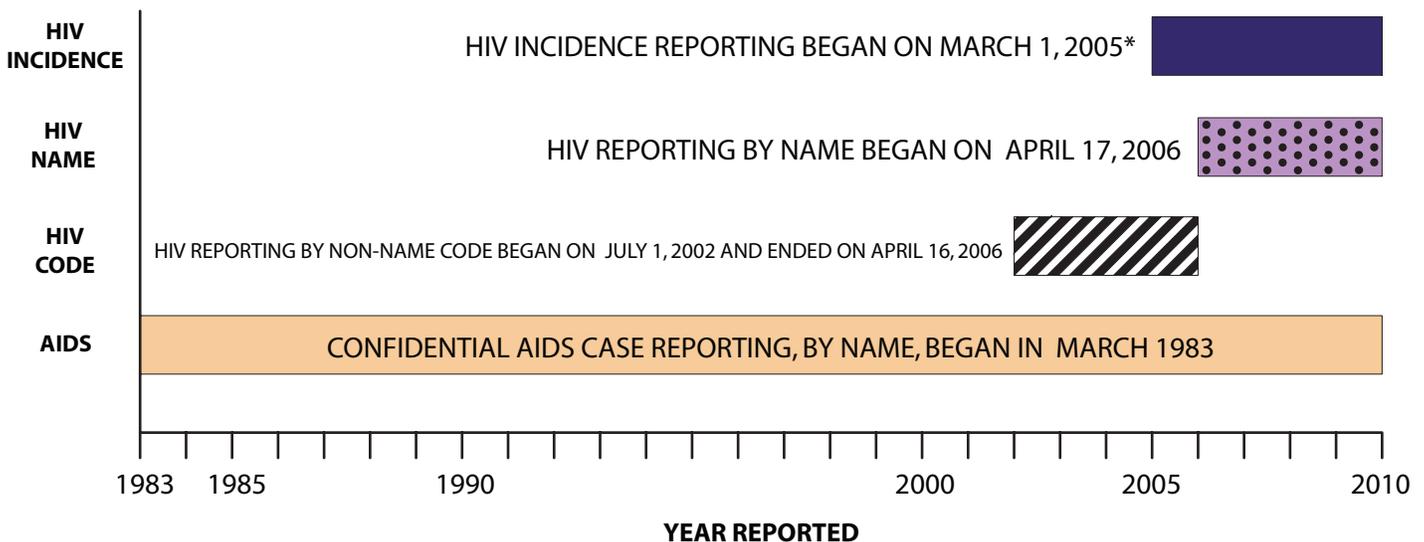


HIV/AIDS SURVEILLANCE IN CALIFORNIA

Over the years, surveillance of HIV/AIDS has evolved to adapt to changes in the HIV/AIDS epidemic and advances in diagnosis and treatment. In the beginning of the epidemic, surveillance systems across the country only reported AIDS cases. California surveillance later expanded due to increased understanding of the etiology and transmission of AIDS to include HIV reporting (see Figure 1 and 2).

- Confidential AIDS case reporting, by name, began in March 1983
- HIV Reporting was first implemented on July 1, 2002, by non-name code
- HIV reporting by name began on April 17, 2006
- HIV Incidence Surveillance reporting began on March 1, 2005

FIGURE 1. TIMELINE OF CALIFORNIA HIV/AIDS SURVEILLANCE SYSTEMS



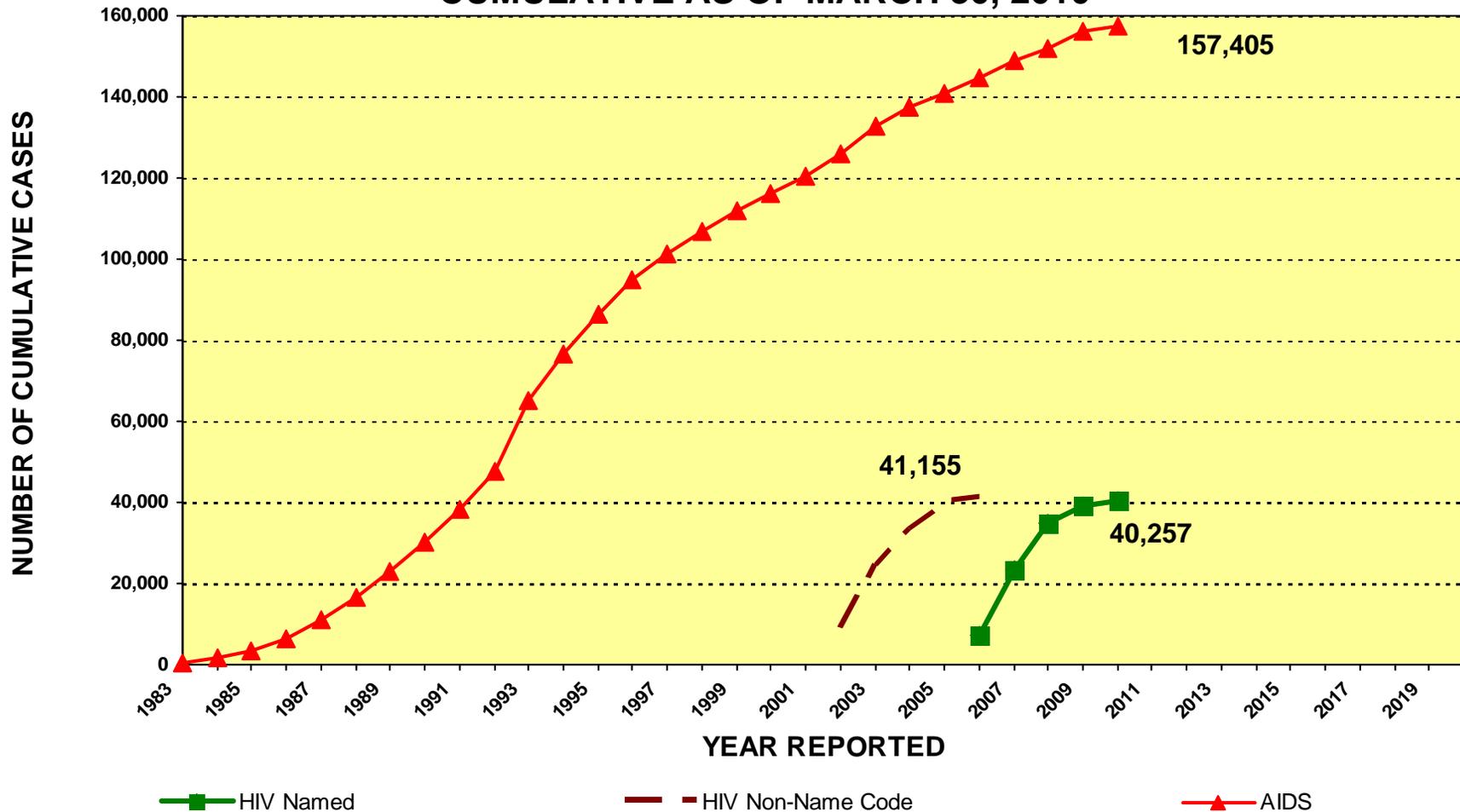
In California and the rest of the United States, HIV infections and AIDS diagnoses are reported through a combination of passive and active surveillance. Passive surveillance is conducted through state required reporting of HIV and AIDS cases by health care providers and reporting of HIV-positive test results from laboratories to Local Health Departments (LHDs). Active surveillance is accomplished through routine visits by LHD staff to hospitals, physician offices, laboratories, counseling and testing (C&T) clinics, and outpatient clinics to ensure completeness, timeliness, and accuracy of reported data. In California and other states, HIV/AIDS surveillance has historically relied heavily upon local health department staff who perform:

- active case surveillance
- on-site chart reviews
- case report completion

To improve timeliness and completeness of reporting and ensure prompt identification and response to emerging problems in the field, California Department of Public Health, Center for Infectious Diseases, Office of AIDS (OA) supports a decentralized reporting system where HIV and AIDS case reports are identified through passive and active surveillance efforts coordinated by California's 61 LHDs. HIV/AIDS surveillance case data, reported to local jurisdictions by health care providers and laboratories, is then sent to OA's HIV/AIDS Surveillance Section. Surveillance Section then submits electronic HIV/AIDS case reports, without personal identifiers, to CDC.

Figure 2.

CALIFORNIA HIV/AIDS SURVEILLANCE CASE ACCUMULATION CUMULATIVE AS OF MARCH 30, 2010



AIDS reporting began in March 1983.

HIV case totals through March 2006 represent HIV cases reported by non-name code. Beginning April 2006, the HIV case total is based on HIV cases reported by name. Due to reporting system differences, HIV cases reported by non-name code and name cannot be combined for unduplicated case counts. Statistics reported for the current quarter may vary from previous quarters due to data cleaning efforts that are ongoing at the Office of AIDS, Surveillance Section. Those data cleaning efforts include duplicate resolution of cases which may result in a net decrease for some jurisdictions comparing the current quarter to the preceding quarter.

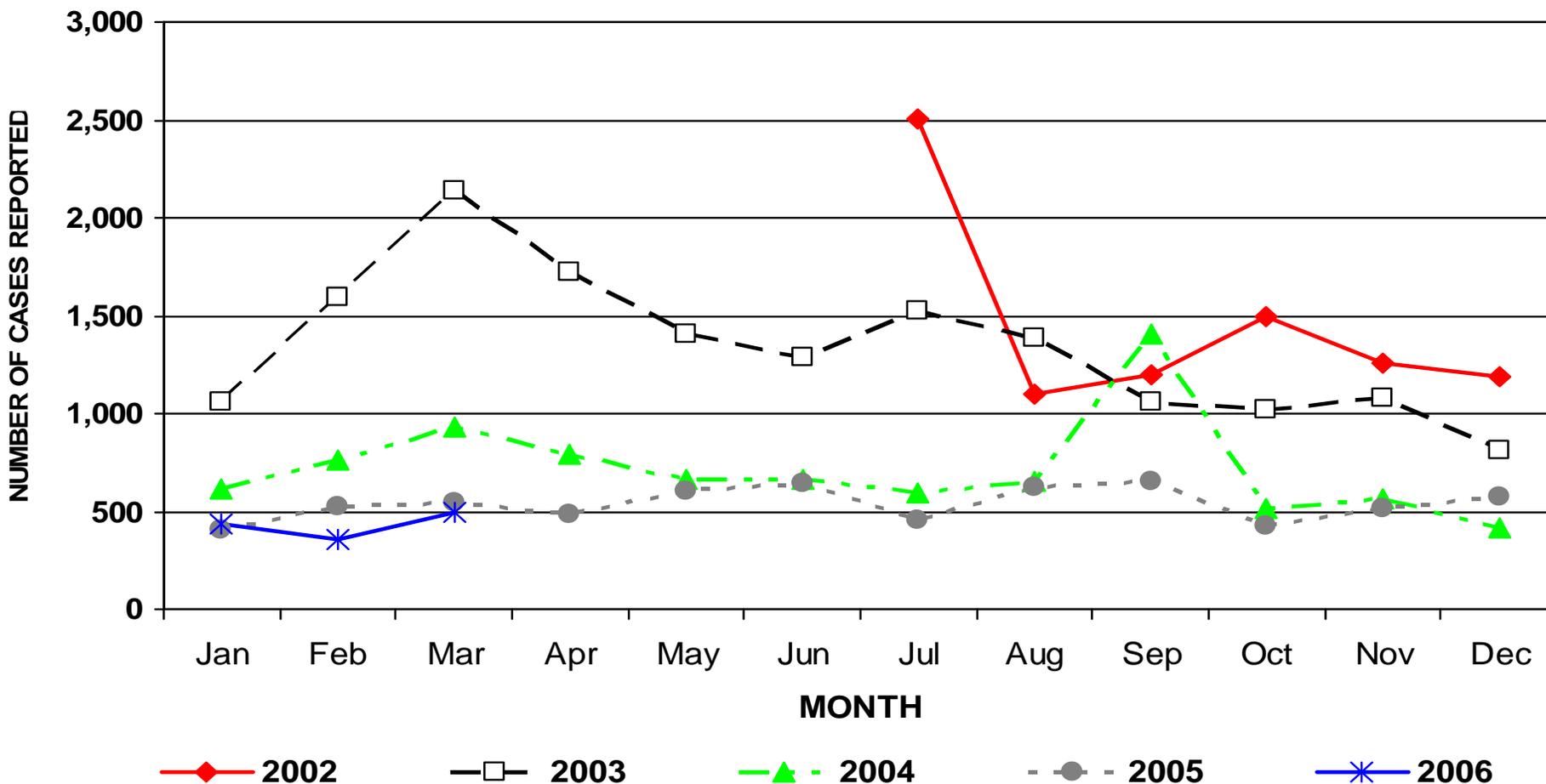
Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of March 30, 2010.

For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.



FIGURE 3.

CALIFORNIA HIV NON-NAME-CODE-BASED CASES BY MONTH AND YEAR REPORTED JULY 1, 2002 THROUGH MARCH 31, 2006



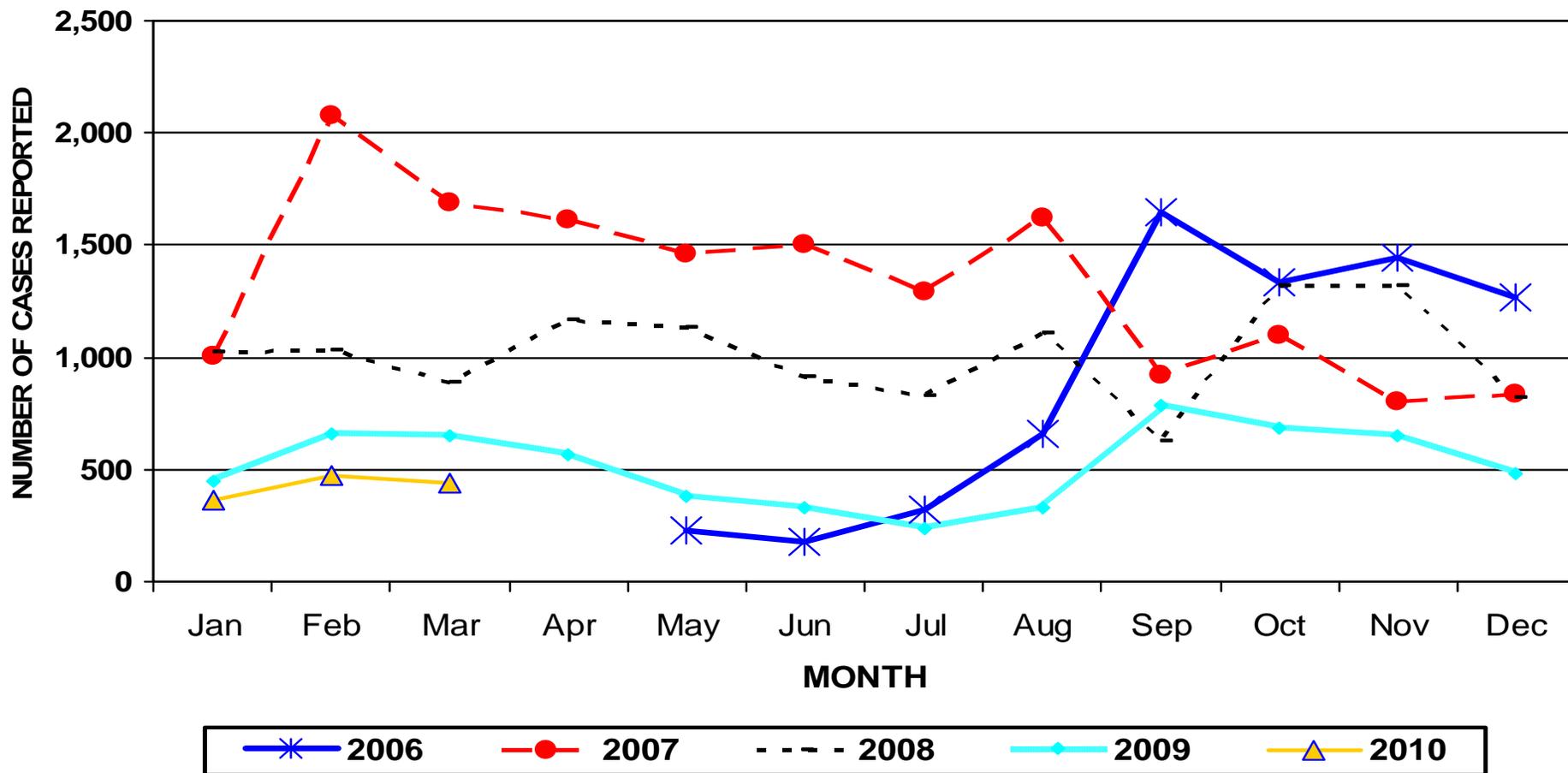
HIV case totals through March 2006 represent HIV cases reported by non-name code. Beginning April 2006, HIV case total are based on HIV cases reported by name. Due to reporting system differences, HIV cases reported by non-name code and name cannot be combined for unduplicated case counts.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of March 31, 2006. For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.



FIGURE 4.

CALIFORNIA HIV NAME-BASED CASES BY MONTH AND YEAR REPORTED APRIL 17, 2006 THROUGH MARCH 30, 2010



HIV named-based reporting began in April 2006.

HIV case totals which were reported from July 2002 through March 2006 represent HIV cases reported by non-name code. Due to reporting system differences, HIV cases reported by non-name code and name cannot be combined for unduplicated case counts.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of March 30, 2010.

For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.



QUARTERLY REPORT OF HIV/AIDS CASES BY COUNTY IN CALIFORNIA

CUMULATIVE AS OF MARCH 30, 2010

COUNTY	HIV				AIDS				COUNTY	HIV				AIDS			
	Total Cases	Living Cases	Deceased		Total Cases	Living Cases	Deceased			Total Cases	Living Cases	Deceased		Total Cases	Living Cases	Deceased	
			Number	%			Number	%				Number	%			Number	%
Alameda	1,390	1,374	16	1	7,988	3,665	4,323	54	Orange	2,729	2,571	158	6	7,658	3,748	3,910	51
Berkeley	105	105	0	0	663	259	404	61	Placer	36	35	1	3	186	93	93	50
Alpine	0	0	0	0	0	0	0	0	Plumas	1	1	0	0	12	6	6	50
Amador	10	10	0	0	51	25	26	51	Riverside	1,360	1,339	21	2	5,862	3,363	2,499	43
Butte	73	66	7	10	275	132	143	52	Sacramento	1,228	1,214	14	1	3,818	1,783	2,035	53
Calaveras	6	6	0	0	20	9	11	55	San Benito	5	4	1	20	48	27	21	44
Colusa	1	1	0	0	13	1	12	92	San Bernardino	1,520	1,427	93	6	4,011	1,933	2,078	52
Contra Costa	620	597	23	4	2,956	1,217	1,739	59	San Diego	4,321	4,204	117	3	14,325	7,100	7,225	50
Del Norte	10	10	0	0	37	24	13	35	San Francisco	5,782	5,545	237	4	28,535	9,402	19,133	67
El Dorado	56	55	1	2	189	72	117	62	San Joaquin	446	444	2	0	1,287	681	606	47
Fresno	344	341	3	1	1,769	878	891	50	San Luis Obispo	135	135	0	0	610	323	287	47
Glenn	6	5	1	17	17	9	8	47	San Mateo	366	362	4	1	2,268	948	1,320	58
Humboldt	74	72	2	3	242	96	146	60	Santa Barbara	138	138	0	0	875	368	507	58
Imperial	59	58	1	2	231	139	92	40	Santa Clara	813	804	9	1	4,262	2,127	2,135	50
Inyo	2	1	1	50	16	8	8	50	Santa Cruz	140	138	2	1	631	279	352	56
Kern	575	565	10	2	1,901	1,239	662	35	Shasta	40	40	0	0	186	82	104	56
Kings	64	63	1	2	232	138	94	41	Sierra	1	1	0	0	4	0	4	100
Lake	18	17	1	6	155	67	88	57	Siskiyou	8	7	1	13	46	20	26	57
Lassen	10	9	1	10	59	34	25	42	Solano	424	417	7	2	1,643	861	782	48
Los Angeles	15,897	15,404	493	3	56,525	24,869	31,656	56	Sonoma	327	316	11	3	2,084	919	1,165	56
Long Beach	1,381	1,349	32	2	6,013	3,134	2,879	48	Stanislaus	144	141	3	2	776	401	375	48
Pasadena	149	145	4	3	791	299	492	62	Sutter	21	21	0	0	76	27	49	64
Madera	68	68	0	0	167	98	69	41	Tehama	8	6	2	25	36	21	15	42
Marin	259	246	13	5	1,673	661	1,012	60	Trinity	2	2	0	0	12	4	8	67
Mariposa	1	1	0	0	15	7	8	53	Tulare	56	53	3	5	355	158	197	55
Mendocino	24	21	3	13	215	84	131	61	Tuolumne	15	15	0	0	70	30	40	57
Merced	45	45	0	0	213	95	118	55	Ventura	282	280	2	1	1,108	507	601	54
Modoc	0	0	0	0	2	0	2	100	Yolo	48	47	1	2	229	100	129	56
Mono	0	0	0	0	6	3	3	50	Yuba	4	4	0	0	65	27	38	58
Monterey	137	137	0	0	973	451	522	54	Unknown	6	6	0	0	9	7	2	22
Napa	93	90	3	3	247	98	149	60									
Nevada	9	9	0	0	131	56	75	57									
									TOTAL	40,257	38,988	1,269	3	157,405	69,520	87,885	56

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 03/30/2010. Counts exclude cases diagnosed, but not yet reported as of March 31, 2010 and may understate the number of diagnoses and deaths in the most recent years. Table represents cases for which the first report was in California. Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of March 30, 2010. For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.





CALIFORNIA HIV/AIDS QUARTERLY SUMMARY REPORT

CASES REPORTED AS OF MARCH 30, 2010

SELECTED INDICATORS	HIV CASES				AIDS CASES				TOTAL HIV/AIDS CASES			
	LIVING		CUMULATIVE		LIVING		CUMULATIVE		LIVING		CUMULATIVE	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
GENDER												
Male	33,529	86.0	34,579	85.9	61,081	87.9	142,438	90.5	94,610	87.2	177,017	89.6
Female	5,158	13.2	5,370	13.3	7,855	11.3	14,030	8.9	13,013	12.0	19,400	9.8
Transgender	298	0.8	305	0.8	584	0.8	937	0.6	882	0.8	1,242	0.6
Unknown	3	0.0	3	0.0	0	0.0	0	0.0	3	0.0	3	0.0
RACE/ETHNICITY												
White	18,212	46.7	18,868	46.9	31,861	45.8	85,424	54.3	50,073	46.1	104,292	52.8
Black	7,327	18.8	7,627	18.9	13,022	18.7	27,924	17.7	20,349	18.8	35,551	18.0
Hispanic	11,441	29.3	11,695	29.1	21,588	31.1	38,371	24.4	33,029	30.4	50,066	25.3
Asian/Pacific Islander	1,459	3.7	1,489	3.7	2,357	3.4	3,962	2.5	3,816	3.5	5,451	2.8
American Indian/Alaskan Native	181	0.5	188	0.5	313	0.5	653	0.4	494	0.5	841	0.4
Multi-race	260	0.7	281	0.7	316	0.5	966	0.6	576	0.5	1,247	0.6
Unknown/Other	108	0.3	109	0.3	63	0.1	105	0.1	171	0.2	214	0.1
EXPOSURE CATEGORY												
MSM/Bisexual Male	26,071	66.9	26,592	66.1	44,238	63.6	105,057	66.7	70,309	64.8	131,649	66.6
Injection Drug Use	2,563	6.6	2,820	7.0	6,696	9.6	15,841	10.1	9,259	8.5	18,661	9.4
MSM/Bisexual Male & IDU	2,450	6.3	2,559	6.4	6,134	8.8	14,946	9.5	8,584	7.9	17,505	8.9
Hemophiliac/Transfusion*	86	0.2	102	0.3	447	0.6	2,215	1.4	533	0.5	2,317	1.2
Heterosexual Contact	3,511	9.0	3,592	8.9	6,544	9.4	10,005	6.4	10,055	9.3	13,597	6.9
Other/Unknown*	4,019	10.3	4,296	10.7	5,152	7.4	8,744	5.6	9,171	8.5	13,040	6.6
Perinatal Exposure	288	0.7	296	0.7	309	0.4	597	0.4	597	0.6	893	0.5
AGE GROUP**												
Under 13 years of age	330	0.8	340	0.8	275	0.4	678	0.4	605	0.6	1,018	0.5
13 to 19 years of age	1,008	2.6	1,013	2.5	497	0.7	711	0.5	1,505	1.4	1,724	0.9
20 to 29 years of age	11,208	28.7	11,380	28.3	11,251	16.2	23,884	15.2	22,459	20.7	35,264	17.8
30 to 39 years of age	14,133	36.2	14,502	36.0	29,389	42.3	66,621	42.3	43,522	40.1	81,123	41.0
40 to 49 years of age	8,908	22.8	9,290	23.1	20,164	29.0	44,795	28.5	29,072	26.8	54,085	27.4
Over 49 years of age	3,401	8.7	3,732	9.3	7,944	11.4	20,716	13.2	11,345	10.5	24,448	12.4
TOTAL	38,988	100.0	40,257	100.0	69,520	100.0	157,405	100.0	108,508	100.0	197,662	100.0

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 03/30/2010.

Percents may not add to 100% due to rounding.

MSM = Men who have sex with men. IDU = Injection drug use. * Includes cases where infection/diagnosis occurred when younger than 13 years of age.

** Age values are based upon age of diagnosis.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of March 30, 2010.

For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.



CUMULATIVE HIV/AIDS CASES IN CALIFORNIA MODE OF EXPOSURE BY RACE/ETHNICITY REPORTED AS OF MARCH 30, 2010

MODE OF EXPOSURE	HIV CASES					AIDS CASES					TOTAL HIV/AIDS CASES				
	WHITE	BLACK	HISPANIC	OTHER	TOTAL	WHITE	BLACK	HISPANIC	OTHER	TOTAL	WHITE	BLACK	HISPANIC	OTHER	TOTAL
MSM/Bi	13,982	3,599	7,605	1,406	26,592	64,628	12,836	23,937	3,656	105,057	78,610	16,435	31,542	5,062	131,649
IDU	1,221	893	612	94	2,820	5,759	6,139	3,556	387	15,841	6,980	7,032	4,168	481	18,661
MSM/Bi & IDU	1,489	427	529	114	2,559	8,960	2,808	2,697	481	14,946	10,449	3,235	3,226	595	17,505
Heterosexual Contact	980	1,215	1,207	190	3,592	2,739	3,252	3,498	516	10,005	3,719	4,467	4,705	706	13,597
Other	1,196	1,493	1,742	263	4,694	3,338	2,889	4,683	646	11,556	4,534	4,382	6,425	909	16,250
TOTAL	18,868	7,627	11,695	2,067	40,257	85,424	27,924	38,371	5,686	157,405	104,292	35,551	50,066	7,753	197,662

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 03/30/2010.

MSM/Bi = Men who have sex with men/Bisexual males. IDU = Injection drug use.

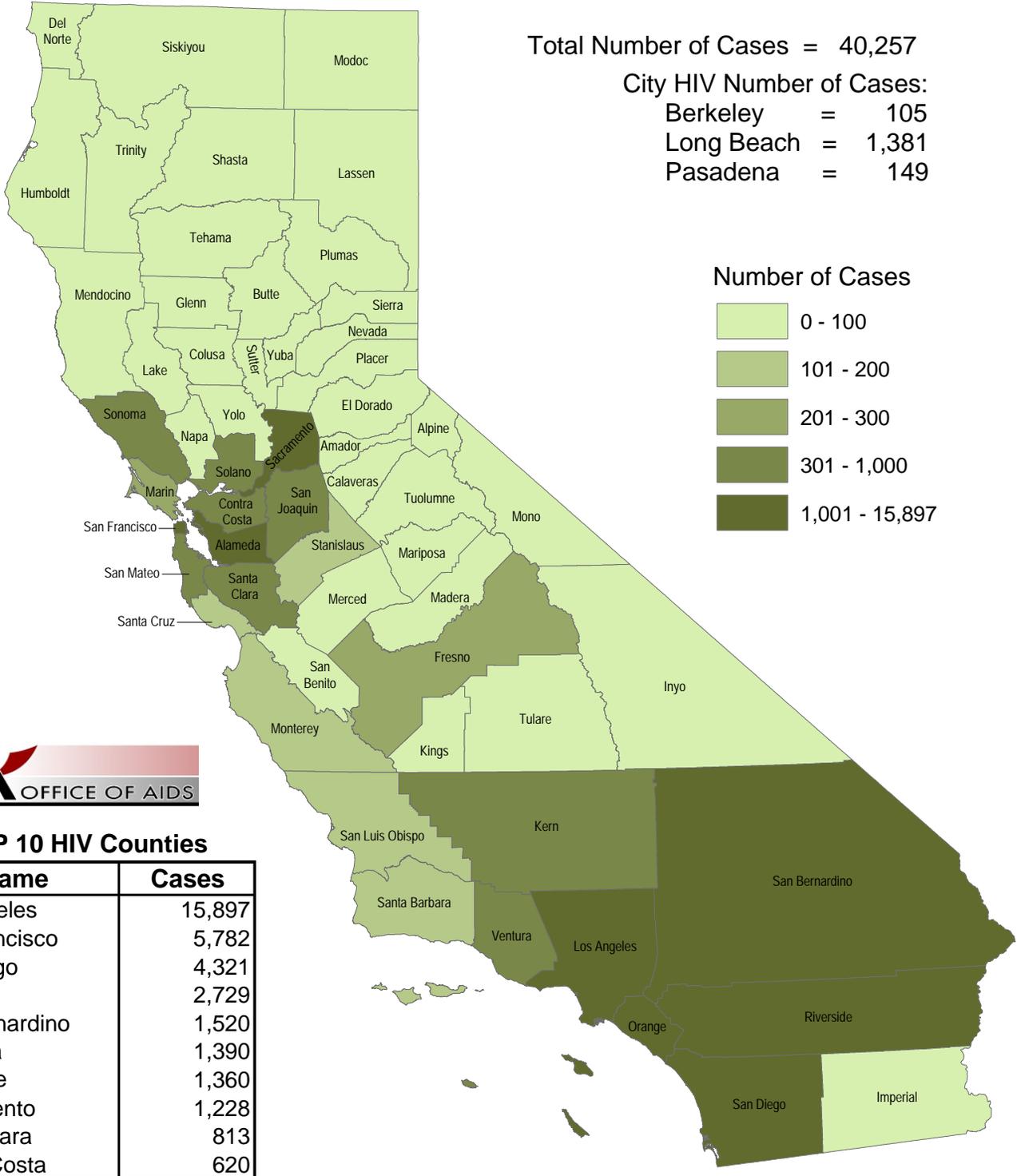
Other Race/Ethnicity includes Asian/Pacific Islander, American Indian/Alaskan Native, Multi-Race and those with unknown or missing race/ethnicity.

Other Mode of Exposure includes Hemophiliac, Transfusion of blood or blood products/Transplant, Confirmed other risk, No identified risk and Pediatric.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of March 30, 2010.

For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.

HIV CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF MARCH 30, 2010



TOP 10 HIV Counties

Name	Cases
Los Angeles	15,897
San Francisco	5,782
San Diego	4,321
Orange	2,729
San Bernardino	1,520
Alameda	1,390
Riverside	1,360
Sacramento	1,228
Santa Clara	813
Contra Costa	620

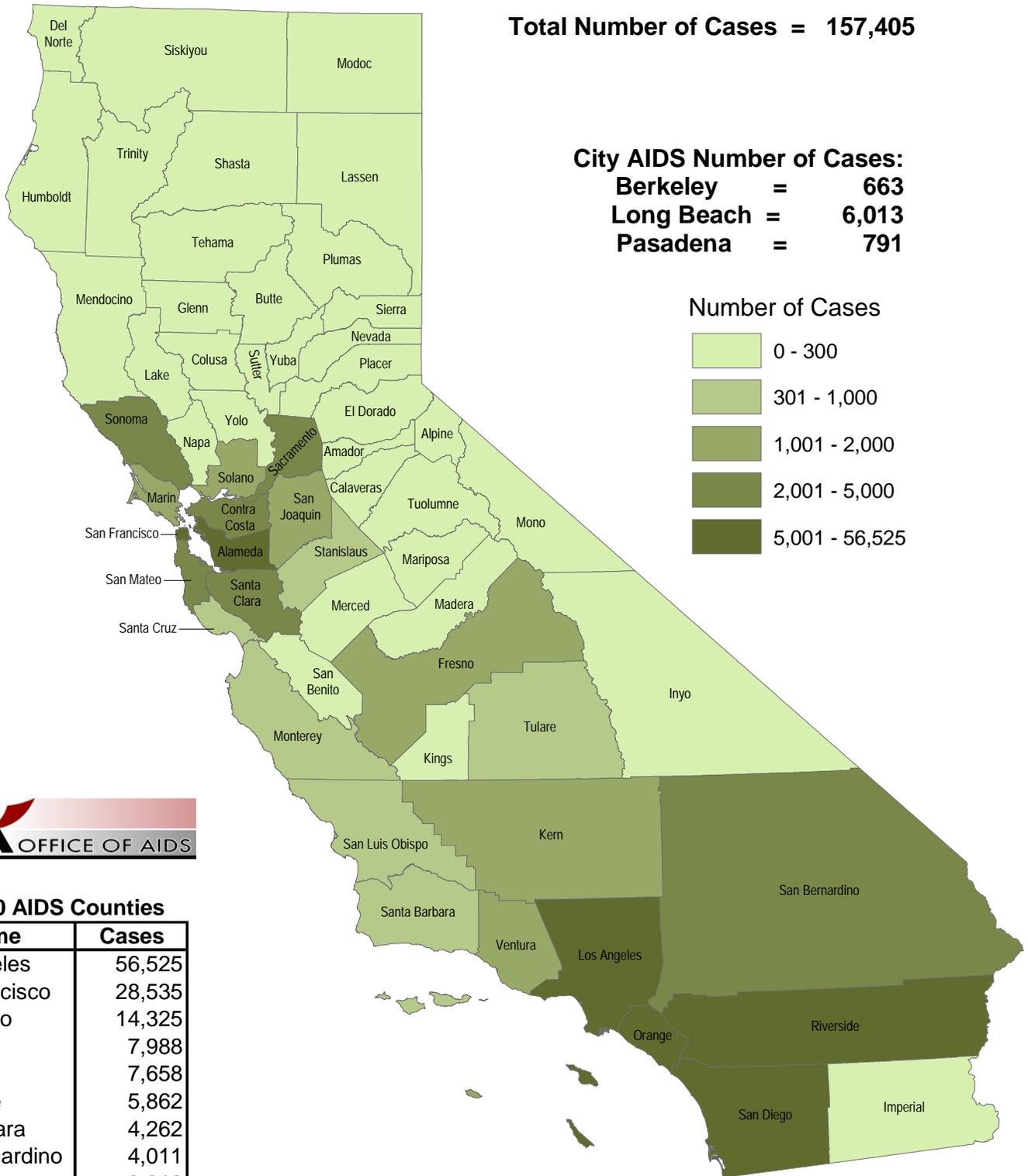
HIV reporting began in April 2006.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Case Registry Section, data as of March 30, 2010.
 For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.

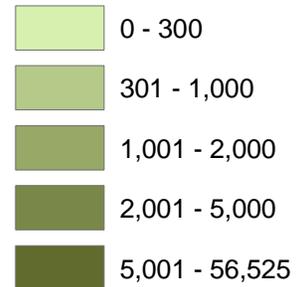
AIDS CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF MARCH 30, 2010

Total Number of Cases = 157,405

City AIDS Number of Cases:
Berkeley = 663
Long Beach = 6,013
Pasadena = 791



Number of Cases



TOP 10 AIDS Counties

Name	Cases
Los Angeles	56,525
San Francisco	28,535
San Diego	14,325
Alameda	7,988
Orange	7,658
Riverside	5,862
Santa Clara	4,262
San Bernardino	4,011
Sacramento	3,818
Contra Costa	2,956

AIDS reporting began in March 1983.

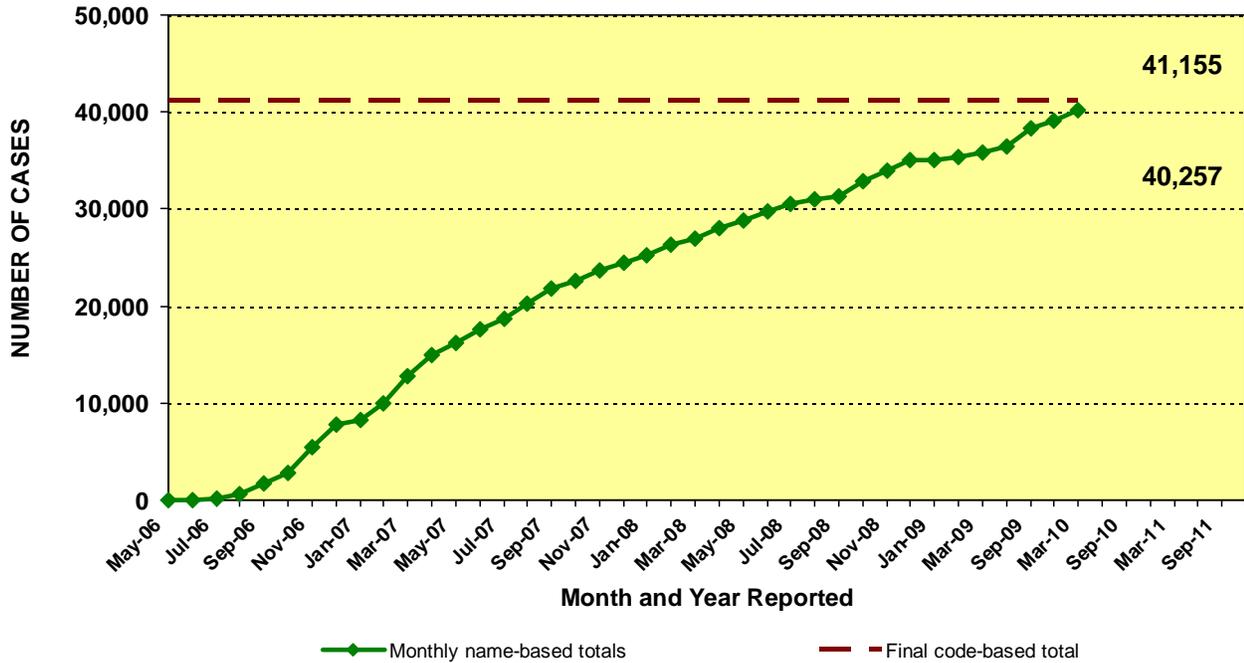
This map excludes HIV cases that seroconverted to AIDS- such cases only on AIDS map.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Case Registry Section, data as of March 30, 2010.

For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.

NAME-BASED HIV CASES COMPARED TO FINAL CODE-BASED TOTAL CUMULATIVE AS OF MARCH 30, 2010

Figure 5.



May-06 data includes cases reported for both April and May 2006.
 HIV case totals through March 2006 represent HIV cases reported by non-name code.
 Beginning April 2006, HIV case totals are based on HIV cases reported by name.



COUNTY	NAME-BASED	CODE-BASED
Alameda	1,390	1,713
Berkeley	105	123
Alpine	0	1
Amador	10	21
Butte	73	87
Calaveras	6	3
Colusa	1	3
Contra Costa	620	688
Del Norte	10	16
El Dorado	56	49
Fresno	344	692
Glenn	6	4
Humboldt	74	93
Imperial	59	61
Inyo	2	2
Kern	575	534
Kings	64	95
Lake	18	33
Lassen	10	8
Los Angeles	15,897	15,304
Long Beach	1,381	1,397
Pasadena	149	130
Madera	68	106
Marin	259	352
Mariposa	1	5
Mendocino	24	48
Merced	45	48
Modoc	0	0
Mono	0	0
Monterey	137	162
Napa	93	73
Nevada	9	11

COUNTY	NAME-BASED	CODE-BASED
Orange	2,729	2,155
Placer	36	51
Plumas	1	4
Riverside	1,360	1,691
Sacramento	1,228	814
San Benito	5	2
San Bernardino	1,520	1,271
San Diego	4,321	4,944
San Francisco	5,782	6,182
San Joaquin	446	411
San Luis Obispo	135	133
San Mateo	366	392
Santa Barbara	138	143
Santa Clara	813	1,017
Santa Cruz	140	152
Shasta	40	16
Sierra	1	0
Siskiyou	8	6
Solano	424	418
Sonoma	327	415
Stanislaus	144	214
Sutter	21	24
Tehama	8	4
Trinity	2	0
Tulare	56	79
Tuolumne	15	13
Ventura	282	313
Yolo	48	62
Yuba	4	14
Unknown	6	3
TOTAL	40,257	41,155

HIV case totals through March 2006 represent HIV cases reported by non-name code. Beginning April 2006, HIV case totals are based on HIV cases reported by name. Due to reporting system differences, HIV cases reported by non-name code and name cannot be combined for unduplicated case counts. Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of March 31, 2006 and as of March 30, 2010. For more information, call the HIV/AIDS Surveillance Section at (916) 449-5866.