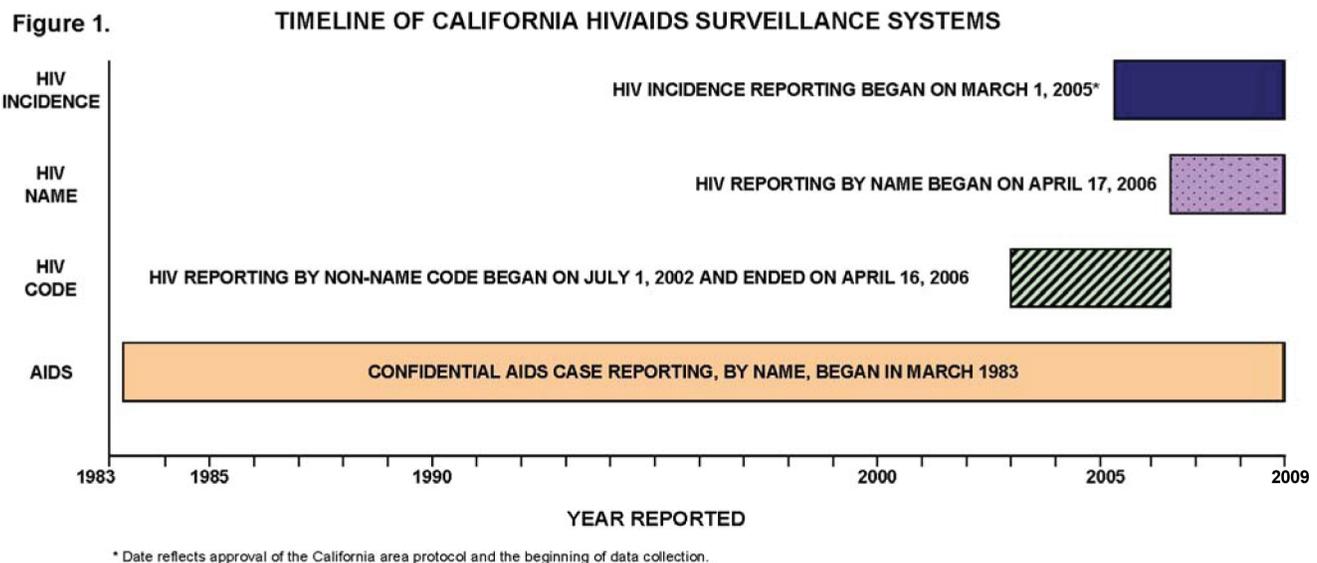


HIV/AIDS SURVEILLANCE IN CALIFORNIA

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 Figure 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



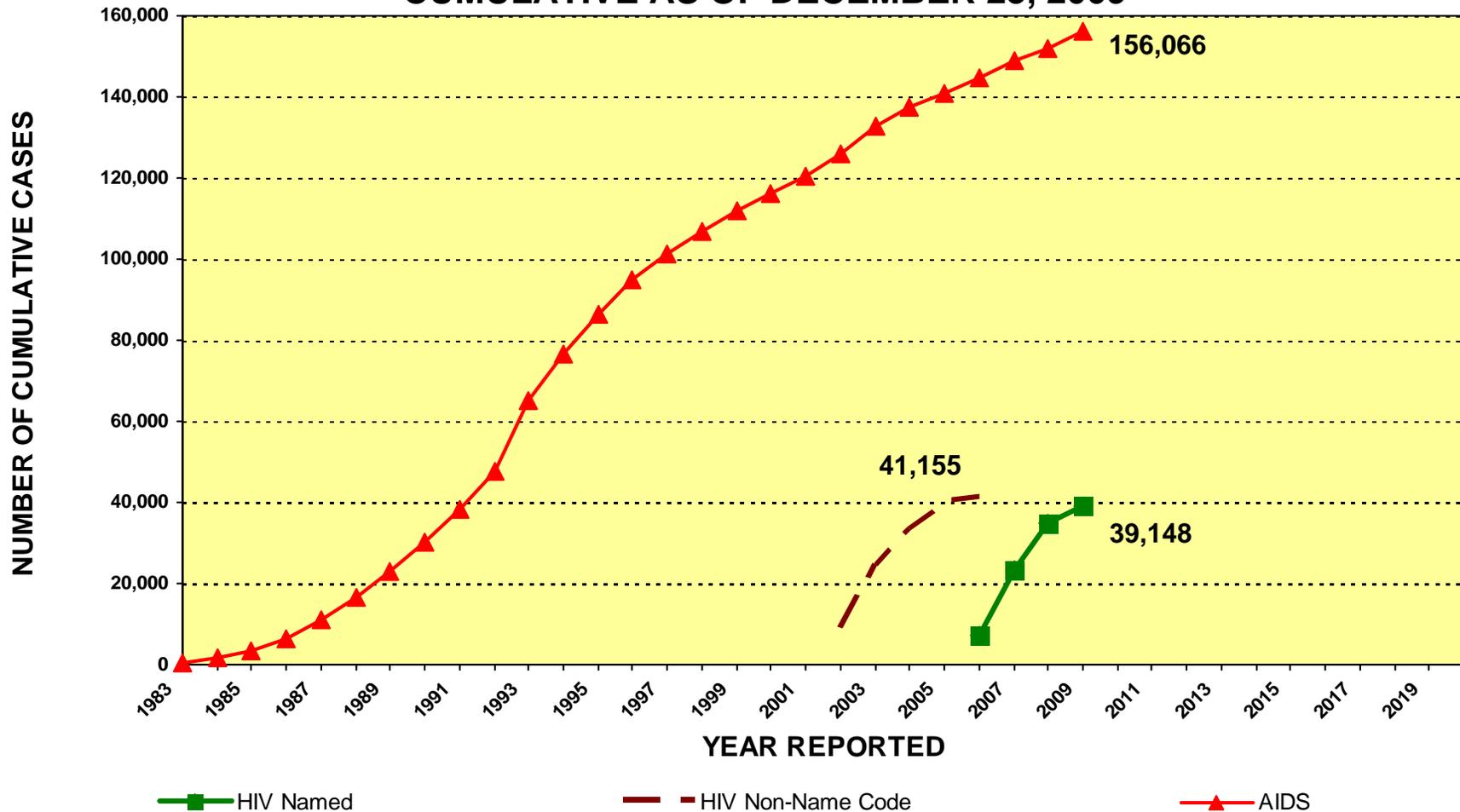
In California and the rest of the United States, HIV infections and AIDS diagnoses are reported through a combination of passive and active surveillance. Passive surveillance is conducted through state required reporting of HIV and AIDS cases by health care providers and reporting of HIV-positive test 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 Case Registry Section. OA's HIV/AIDS Case Registry Section then submits electronic HIV/AIDS case reports, without personal identifiers, to CDC.

Figure 2.

CALIFORNIA HIV/AIDS SURVEILLANCE CASE ACCUMULATION CUMULATIVE AS OF DECEMBER 23, 2009



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.

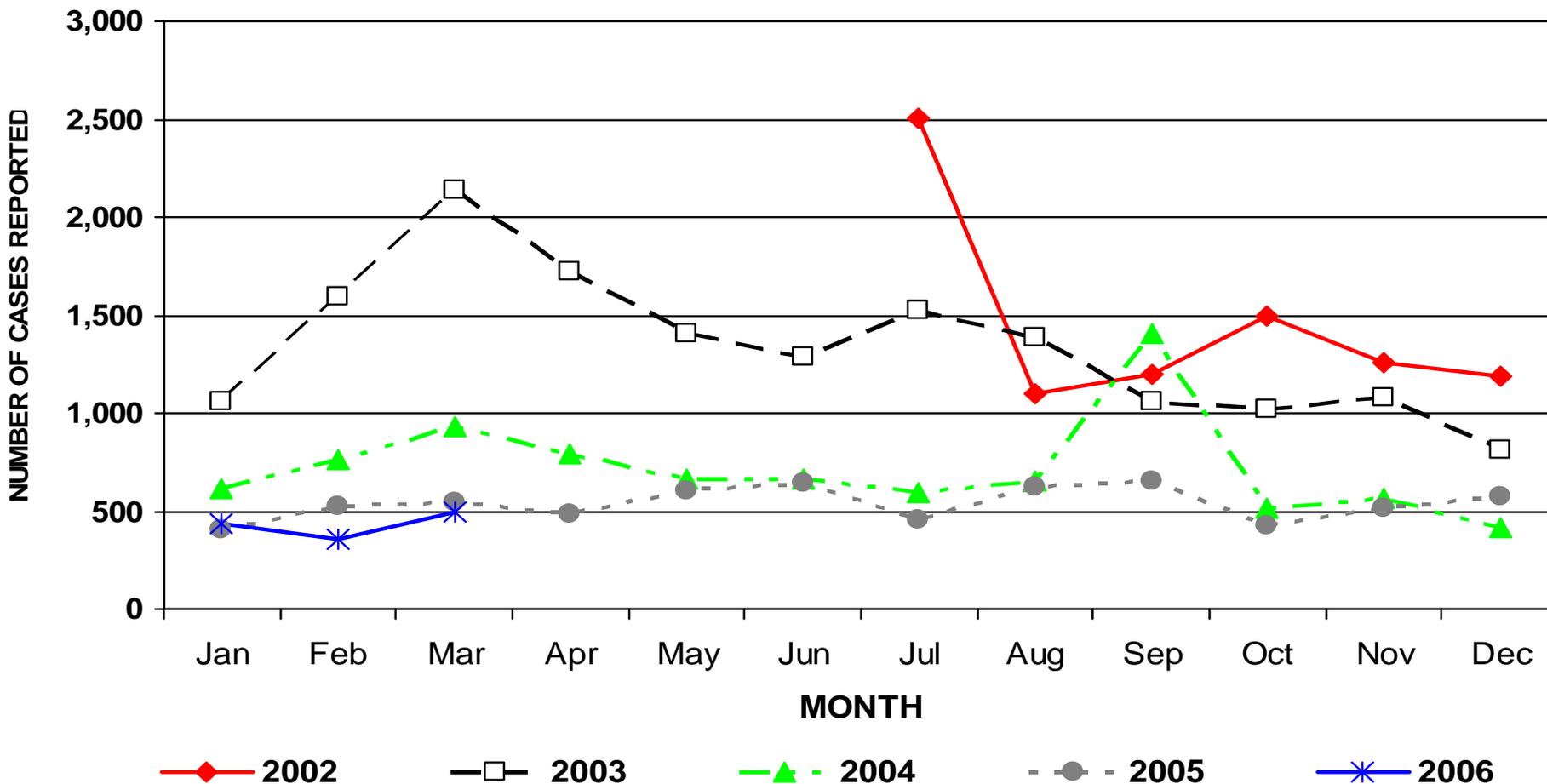
Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 23, 2009.

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



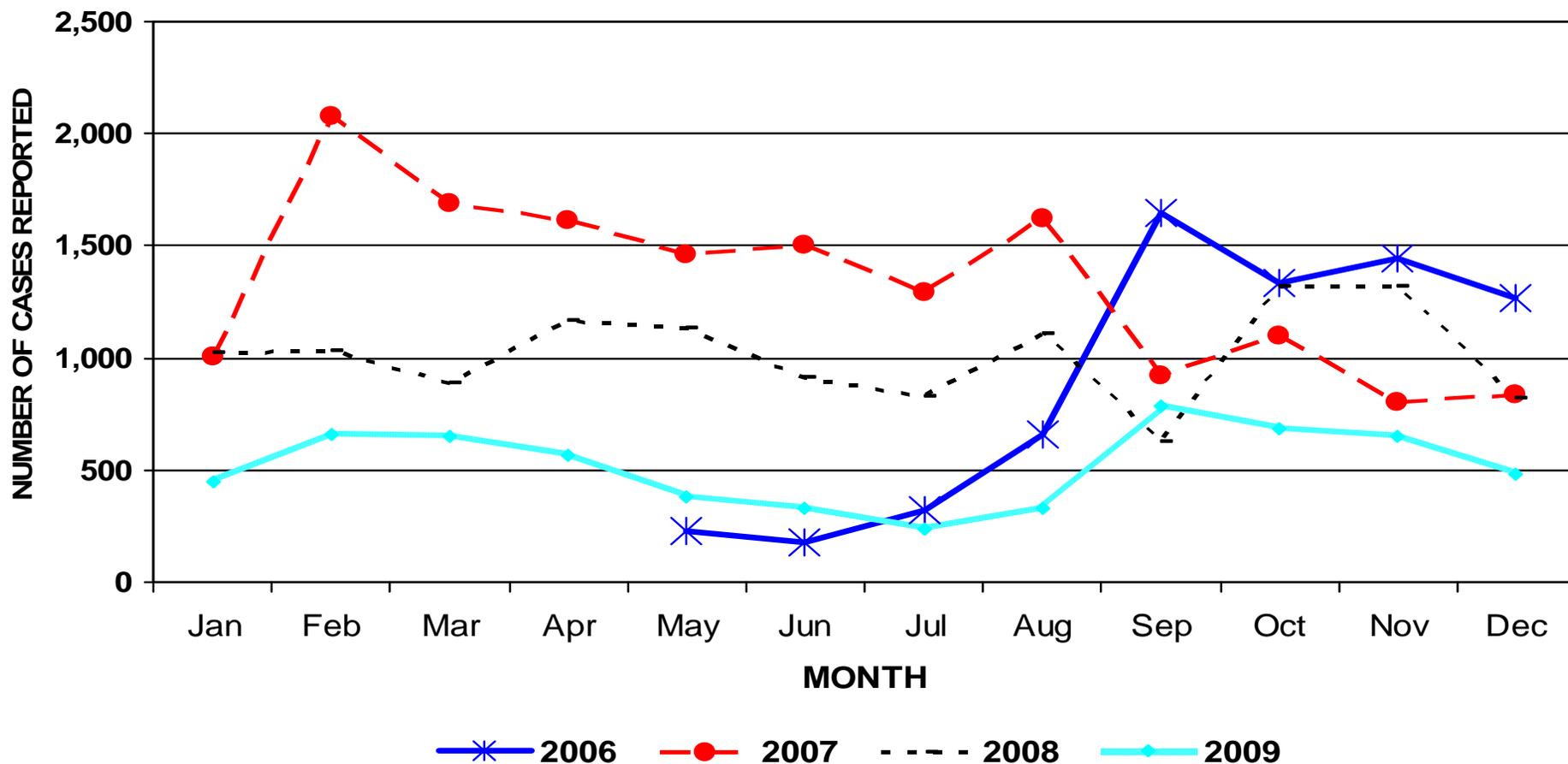
HIV case totals through March 2006 represent HIV cases reported by non-name code. Beginning April 2006, HIV case total are based on HIV cases reported by name. Due to reporting system differences, HIV cases reported by non-name code and name cannot be combined for unduplicated case counts.

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 DECEMBER 23, 2009



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 December 23, 2009.

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 DECEMBER 23, 2009

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	1,306	1,294	12	1	7,891	3,633	4,258	54	Orange	2,717	2,606	111	4	7,575	3,932	3,643	48
<i>Berkeley</i>	90	90	0	0	651	251	400	61	Placer	37	36	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	50	24	26	52	Riverside	1,312	1,292	20	2	5,785	3,317	2,468	43
Butte	73	66	7	10	274	134	140	51	Sacramento	1,181	1,164	17	1	3,777	1,748	2,029	54
Calaveras	6	6	0	0	20	9	11	55	San Benito	6	5	1	17	45	24	21	47
Colusa	1	1	0	0	13	1	12	92	San Bernardino	1,595	1,500	95	6	3,961	1,900	2,061	52
Contra Costa	592	569	23	4	2,921	1,192	1,729	59	San Diego	4,195	4,083	112	3	14,156	6,990	7,166	51
Del Norte	10	10	0	0	36	23	13	36	San Francisco	5,902	5,694	208	4	28,361	9,344	19,017	67
El Dorado	54	53	1	2	188	72	116	62	San Joaquin	440	438	2	0	1,272	671	601	47
Fresno	217	215	2	1	1,727	845	882	51	San Luis Obispo	140	140	0	0	605	323	282	47
Glenn	6	5	1	17	17	9	8	47	San Mateo	349	346	3	1	2,262	947	1,314	58
Humboldt	74	72	2	3	243	98	145	60	Santa Barbara	132	132	0	0	869	363	503	58
Imperial	56	55	1	2	224	136	88	39	Santa Clara	796	789	7	1	4,229	2,079	2,124	50
Inyo	2	1	1	50	16	9	7	44	Santa Cruz	141	139	2	1	628	278	348	55
Kern	549	539	10	2	1,886	1,227	659	35	Shasta	41	41	0	0	186	83	104	56
Kings	58	57	1	2	230	138	92	40	Sierra	1	1	0	0	4	0	4	100
Lake	18	17	1	6	154	66	88	57	Siskiyou	8	7	1	13	46	20	26	57
Lassen	9	8	1	11	59	35	24	41	Solano	361	356	5	1	1,639	861	769	47
Los Angeles	15,265	14,806	459	3	56,162	24,686	31,476	56	Sonoma	298	286	12	4	2,071	903	1,160	56
<i>Long Beach</i>	1,372	1,341	31	2	5,960	3,105	2,855	48	Stanislaus	137	134	3	2	770	397	371	48
<i>Pasadena</i>	141	137	4	3	786	295	491	62	Sutter	18	18	0	0	76	27	49	64
Madera	63	63	0	0	166	99	67	40	Tehama	10	8	2	20	36	21	15	42
Marin	253	239	14	6	1,667	667	1,000	60	Trinity	2	2	0	0	12	4	8	67
Mariposa	1	1	0	0	14	6	8	57	Tulare	47	44	3	6	346	151	196	57
Mendocino	25	22	3	12	212	84	128	60	Tuolumne	12	12	0	0	70	30	39	56
Merced	44	44	0	0	210	94	116	55	Ventura	280	278	2	1	1,102	499	600	54
Modoc	0	0	0	0	2	0	2	100	Yolo	47	45	2	4	228	101	126	55
Mono	0	0	0	0	6	3	3	50	Yuba	3	3	0	0	65	27	38	58
Monterey	135	135	0	0	971	451	520	54	Unknown	5	5	0	0	9	7	2	22
Napa	79	77	2	3	247	100	147	60									
Nevada	9	9	0	0	131	57	74	56									
									TOTAL	39,148	38,001	1,147	3	156,066	69,044	87,022	56

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 12/23/2009.

Counts exclude cases diagnosed, but not yet reported as of December 31, 2009 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 December 23, 2009.

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





CALIFORNIA HIV/AIDS QUARTERLY SUMMARY REPORT

CASES REPORTED AS OF DECEMBER 23, 2009

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	32,612	85.8	33,548	85.7	60,622	87.8	141,239	90.5	93,234	87.1	174,787	89.5
Female	5,022	13.2	5,225	13.3	7,820	11.3	13,880	8.9	12,842	12.0	19,105	9.8
Transgender	365	1.0	373	1.0	602	0.9	947	0.6	967	0.9	1,320	0.7
Unknown	2	0.0	2	0.0	0	0.0	0	0.0	2	0.0	2	0.0
RACE/ETHNICITY												
White	18,036	47.5	18,623	47.6	31,911	46.2	85,024	54.5	49,947	46.7	103,647	53.1
Black	7,098	18.7	7,381	18.9	12,984	18.8	27,708	17.8	20,082	18.8	35,089	18.0
Hispanic	10,946	28.8	11,169	28.5	21,197	30.7	37,774	24.2	32,143	30.0	48,943	25.1
Asian/Pacific Islander	1,393	3.7	1,421	3.6	2,324	3.4	3,918	2.5	3,717	3.5	5,339	2.7
American Indian/Alaskan Native	166	0.4	173	0.4	312	0.5	648	0.4	478	0.4	821	0.4
Multi-race	208	0.5	226	0.6	253	0.4	890	0.6	461	0.4	1,116	0.6
Unknown/Other	154	0.4	155	0.4	63	0.1	104	0.1	165	0.2	259	0.1
EXPOSURE CATEGORY												
MSM/Bisexual Male	25,341	66.7	25,795	65.9	43,877	63.5	104,209	66.8	69,218	64.7	130,004	66.6
Injection Drug Use	2,557	6.7	2,795	7.1	6,737	9.8	15,752	10.1	9,294	8.7	18,547	9.5
MSM/Bisexual Male & IDU	2,365	6.2	2,463	6.3	6,059	8.8	14,762	9.5	8,424	7.9	17,225	8.8
Hemophiliac/Transfusion*	90	0.2	106	0.3	453	0.7	2,214	1.4	543	0.5	2,320	1.2
Heterosexual Contact	3,420	9.0	3,496	8.9	6,515	9.4	9,900	6.3	9,935	9.3	13,396	6.9
Other/Unknown*	3,945	10.4	4,203	10.7	5,099	7.4	8,637	5.5	9,044	8.4	12,840	6.6
Perinatal Exposure	283	0.7	290	0.7	304	0.4	592	0.4	587	0.5	882	0.5
AGE GROUP**												
Under 13 years of age	323	0.8	332	0.8	276	0.4	678	0.4	599	0.6	1,010	0.5
13 to 19 years of age	940	2.5	944	2.4	485	0.7	696	0.4	1,425	1.3	1,640	0.8
20 to 29 years of age	10,907	28.7	11,045	28.2	11,147	16.1	23,659	15.2	22,054	20.6	34,704	17.8
30 to 39 years of age	13,920	36.6	14,252	36.4	29,331	42.5	66,241	42.4	43,251	40.4	80,493	41.2
40 to 49 years of age	8,628	22.7	8,985	23.0	19,972	28.9	44,367	28.4	28,600	26.7	53,352	27.3
Over 49 years of age	3,283	8.6	3,590	9.2	7,833	11.3	20,425	13.1	11,116	10.4	24,015	12.3
TOTAL	38,001	100.0	39,148	100.0	69,044	100.0	156,066	100.0	107,045	100.0	195,214	100.0

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 12/23/2009.

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 base upon age of diagnosis.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 23, 2009.

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 DECEMBER 23, 2009

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	13,789	3,434	7,241	1,331	25,795	64,353	12,740	23,537	3,579	104,209	78,142	16,174	30,778	4,910	130,004
IDU	1,229	883	594	89	2,795	5,734	6,130	3,516	372	15,752	6,963	7,013	4,110	461	18,547
MSM/Bi & IDU	1,455	411	493	104	2,463	8,889	2,764	2,649	460	14,762	10,344	3,175	3,142	564	17,225
Heterosexual Contact	965	1,192	1,163	176	3,496	2,722	3,220	3,450	508	9,900	3,687	4,412	4,613	684	13,396
Other	1,185	1,461	1,678	275	4,599	3,326	2,854	4,622	641	11,443	4,511	4,315	6,300	916	16,042
TOTAL	18,623	7,381	11,169	1,975	39,148	85,024	27,708	37,774	5,560	156,066	103,647	35,089	48,943	7,535	195,214

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 12/23/2009.

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

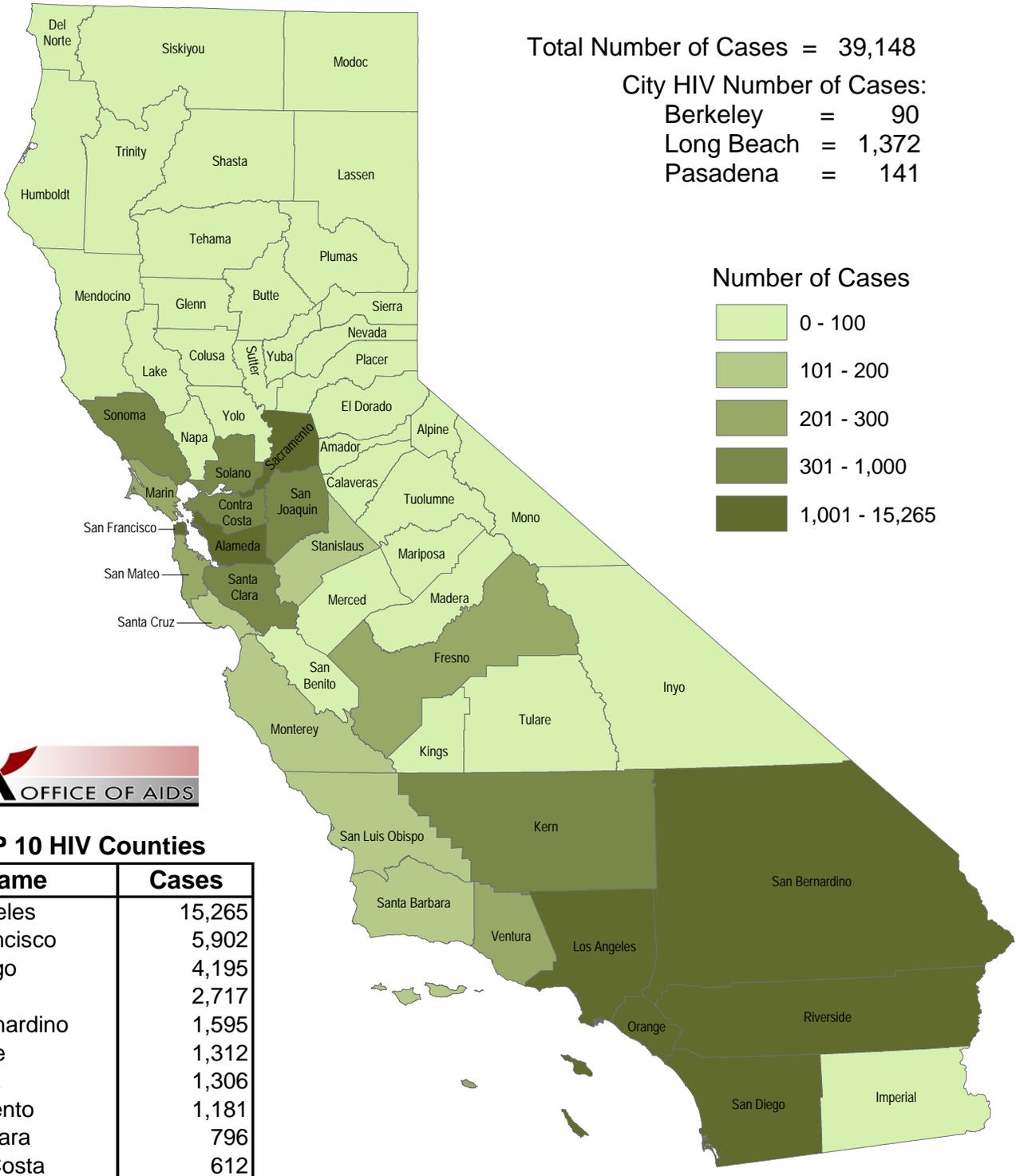
Other Race/Ethnicity includes Asian/Pacific Islander, American Indian/Alaskan Native, Multi-Race and those with unknown or missing race/ethnicity.

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 December 23, 2009.

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

HIV CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF DECEMBER 23, 2009



TOP 10 HIV Counties

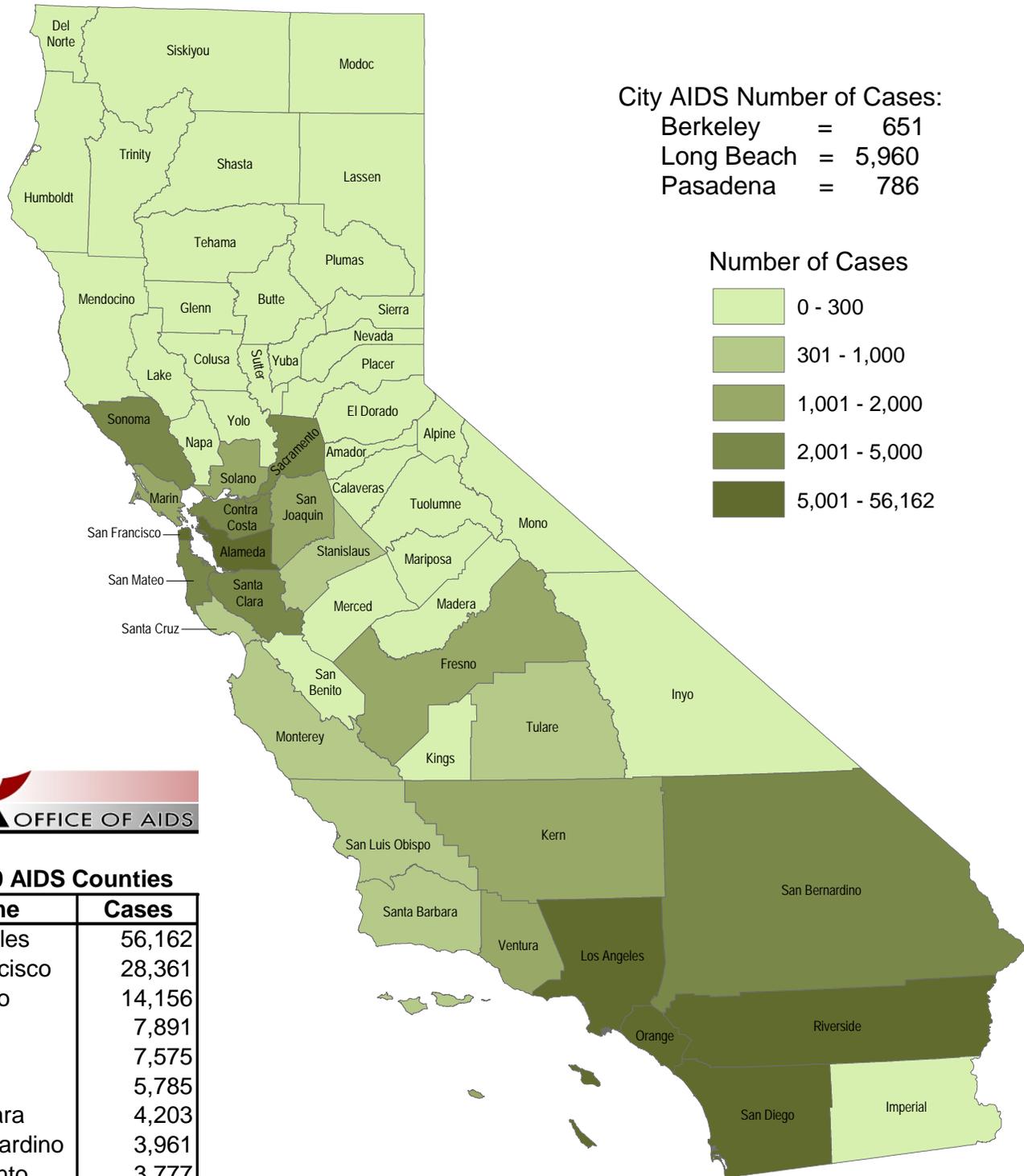
Name	Cases
Los Angeles	15,265
San Francisco	5,902
San Diego	4,195
Orange	2,717
San Bernardino	1,595
Riverside	1,312
Alameda	1,306
Sacramento	1,181
Santa Clara	796
Contra Costa	612

HIV reporting began in April 2006.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Case Registry Section, data as of December 23, 2009.
For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.

AIDS CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF DECEMBER 23, 2009

Total Number of Cases = 156,066



TOP 10 AIDS Counties

Name	Cases
Los Angeles	56,162
San Francisco	28,361
San Diego	14,156
Alameda	7,891
Orange	7,575
Riverside	5,785
Santa Clara	4,203
San Bernardino	3,961
Sacramento	3,777
Contra Costa	2,921

AIDS reporting began in March 1983.

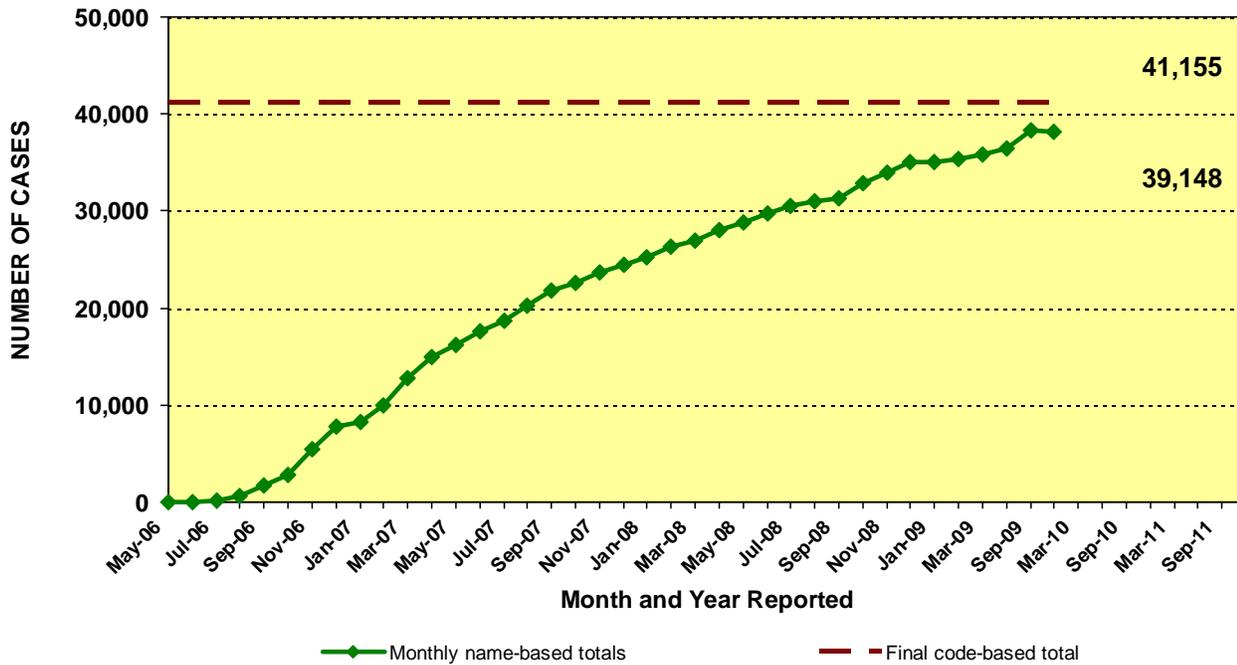
This map excludes HIV cases that seroconverted to AIDS- such cases only on AIDS map.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Case Registry Section, data as of December 23, 2009.

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 DECEMBER 23, 2009

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	1,306	1,713
Berkeley	90	123
Alpine	0	1
Amador	10	21
Butte	73	87
Calaveras	6	3
Colusa	1	3
Contra Costa	592	688
Del Norte	10	16
El Dorado	54	49
Fresno	217	692
Glenn	6	4
Humboldt	74	93
Imperial	56	61
Inyo	2	2
Kern	549	534
Kings	58	95
Lake	18	33
Lassen	9	8
Los Angeles	15,265	15,304
Long Beach	1,372	1,397
Pasadena	141	130
Madera	63	106
Marin	253	352
Mariposa	1	5
Mendocino	25	48
Merced	44	48
Modoc	0	0
Mono	0	0
Monterey	135	162
Napa	79	73
Nevada	9	11

COUNTY	NAME-BASED	CODE-BASED
Orange	2,717	2,155
Placer	37	51
Plumas	1	4
Riverside	1,312	1,691
Sacramento	1,181	814
San Benito	6	2
San Bernardino	1,595	1,271
San Diego	4,195	4,944
San Francisco	5,902	6,182
San Joaquin	440	411
San Luis Obispo	140	133
San Mateo	349	392
Santa Barbara	132	143
Santa Clara	796	1,017
Santa Cruz	141	152
Shasta	41	16
Sierra	1	0
Siskiyou	8	6
Solano	361	418
Sonoma	298	415
Stanislaus	137	214
Sutter	18	24
Tehama	10	4
Trinity	2	0
Tulare	47	79
Tuolumne	12	13
Ventura	280	313
Yolo	47	62
Yuba	3	14
Unknown	5	3
TOTAL	39,148	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 December 23, 2009. For more information, call the HIV/AIDS Surveillance Section at (916) 449-5866.