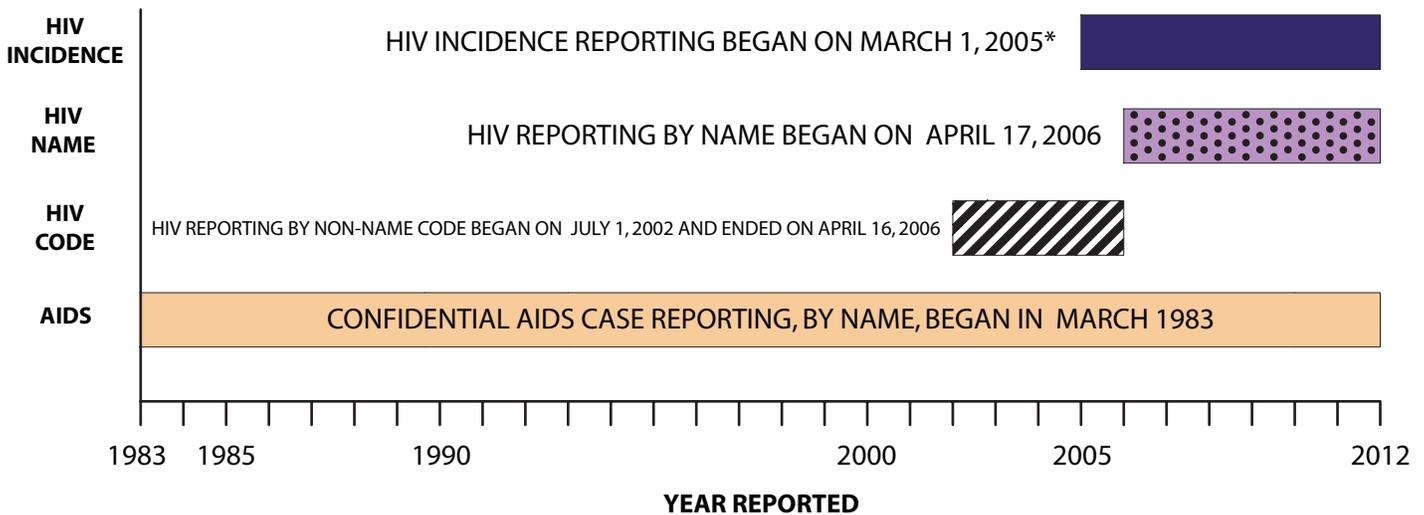


HIV/AIDS SURVEILLANCE IN CALIFORNIA

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



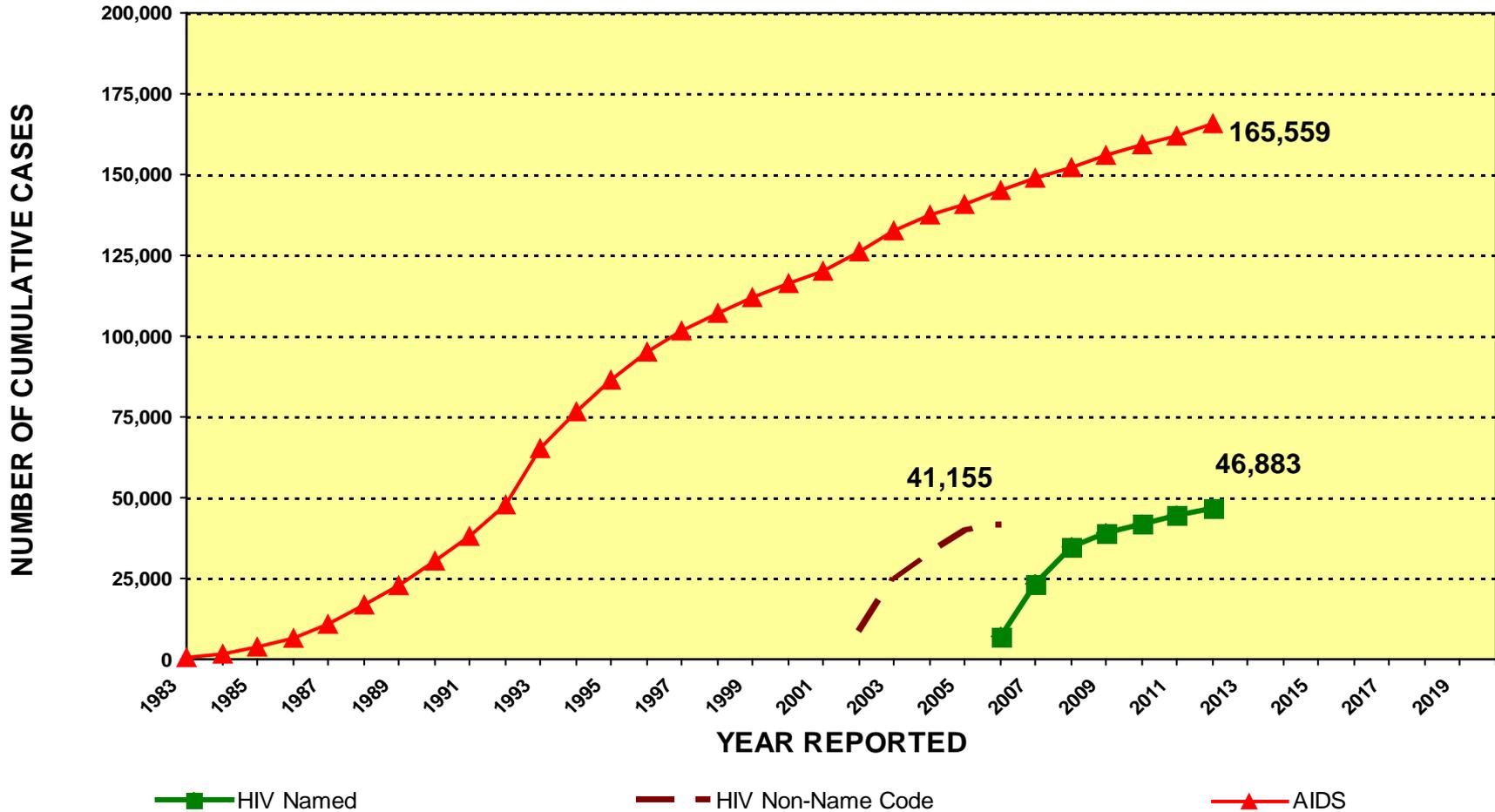
In California and the rest of the United States, HIV infections and AIDS diagnoses are reported through a combination of passive and active surveillance. Passive surveillance is conducted through state required reporting of HIV and AIDS cases by health care providers and reporting of HIV-positive test 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 DECEMBER 31, 2012



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.

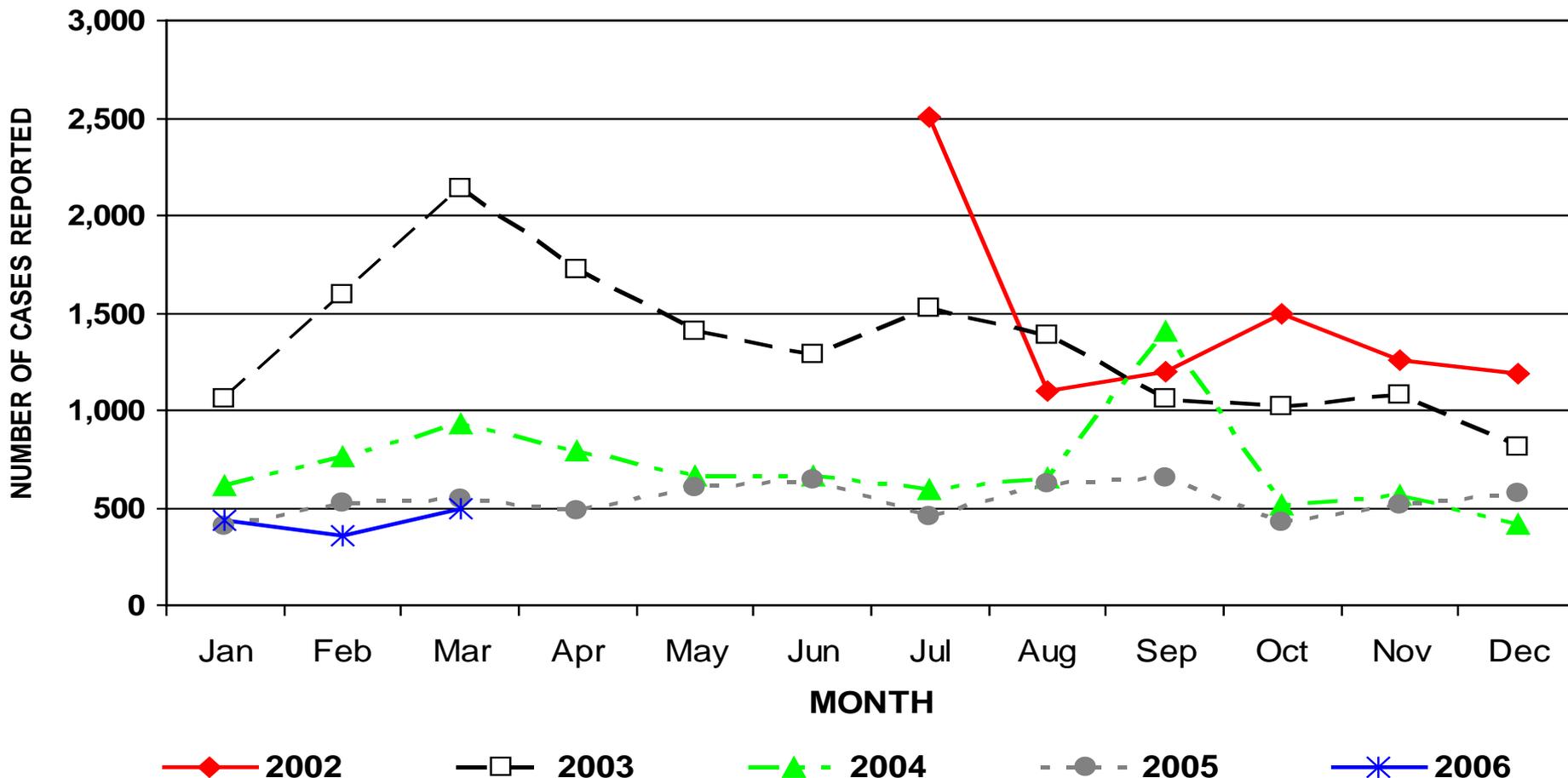
Statistics reported for the current quarter may vary from previous quarters due to data cleaning efforts that are ongoing at the Office of AIDS, Surveillance Section. Those data cleaning efforts include duplicate resolution of cases which may result in a net decrease for some jurisdictions comparing the current quarter to the preceding quarter.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 31, 2012.

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



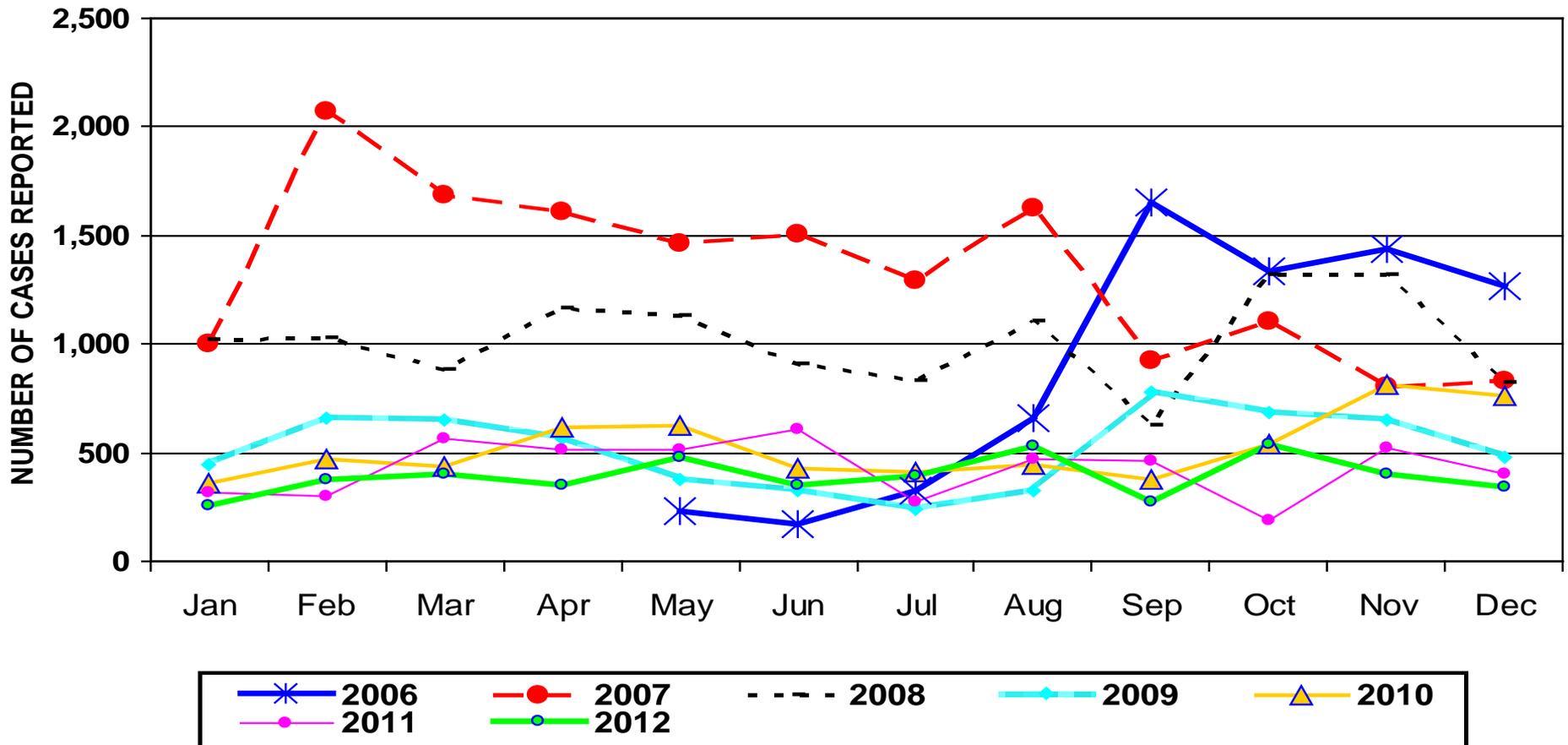
HIV case totals through March 2006 represent HIV cases reported by non-name code. Beginning April 2006, HIV case total are based on HIV cases reported by name. Due to reporting system differences, HIV cases reported by non-name code and name cannot be combined for unduplicated case counts.

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 NAMES-BASED CASES BY MONTH AND YEAR REPORTED APRIL 17, 2006 THROUGH DECEMBER 31, 2012



HIV names-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 31, 2012.

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



SEMI-ANNUAL REPORT OF HIV/AIDS CASES BY COUNTY IN CALIFORNIA

CUMULATIVE AS OF DECEMBER 31, 2012

TABLE 1.

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	1,593	1,541	52	3	8,371	3,809	4,562	54	Orange	3,018	2,810	208	7	8,100	3,963	4,137	51
<i>Berkeley</i>	120	119	1	1	686	268	418	61	Placer	66	64	2	3	201	96	105	52
Alpine	0	0	0	0	0	0	0	0	Plumas	4	4	0	0	12	5	7	58
Amador	11	9	2	18	54	26	28	52	Riverside	1,761	1,693	68	4	6,136	3,362	2,774	45
Butte	80	71	9	11	282	127	155	55	Sacramento	1,537	1,481	56	4	4,065	1,877	2,188	54
Calaveras	6	6	0	0	21	10	11	52	San Benito	15	14	1	7	47	22	25	53
Colusa	3	3	0	0	15	3	12	80	San Bernardino	1,541	1,435	106	7	4,254	2,007	2,247	53
Contra Costa	748	700	48	6	3,110	1,279	1,831	59	San Diego	5,210	5,032	178	3	14,974	7,332	7,642	51
Del Norte	8	8	0	0	40	25	15	38	San Francisco	6,055	5,669	386	6	29,301	9,563	19,738	67
El Dorado	71	69	2	3	203	75	128	63	San Joaquin	538	519	19	4	1,363	697	666	49
Fresno	622	601	21	3	1,985	1,007	978	49	San Luis Obispo	160	156	4	3	620	313	307	50
Glenn	6	5	1	17	18	9	9	50	San Mateo	492	476	16	3	2,348	950	1,398	60
Humboldt	64	61	3	5	246	87	159	65	Santa Barbara	172	166	6	3	904	364	540	60
Imperial	77	74	3	4	257	155	102	40	Santa Clara	968	942	26	3	4,588	2,325	2,263	49
Inyo	2	2	0	0	18	9	9	50	Santa Cruz	165	160	5	3	652	282	370	57
Kern	682	661	21	3	2,028	1,265	763	38	Shasta	49	47	2	4	191	77	114	60
Kings	87	84	3	3	239	140	99	41	Sierra	1	1	0	0	4	0	4	100
Lake	20	19	1	5	158	64	94	59	Siskiyou	9	7	2	22	50	23	27	54
Lassen	13	12	1	8	61	30	31	51	Solano	401	385	16	4	1,678	823	855	51
Los Angeles	18,734	17,909	825	4	60,144	26,460	33,684	56	Sonoma	376	363	13	3	2,134	919	1,215	57
<i>Long Beach</i>	1,523	1,459	64	4	6,225	3,104	3,121	50	Stanislaus	166	161	5	3	809	393	416	51
<i>Pasadena</i>	186	175	11	6	823	300	523	64	Sutter	38	37	1	3	82	30	52	63
Madera	87	84	3	3	189	104	85	45	Tehama	14	12	2	14	38	22	16	42
Marin	287	268	19	7	1,687	647	1,040	62	Trinity	1	1	0	0	13	5	8	62
Mariposa	2	2	0	0	19	11	8	42	Tulare	106	100	6	6	391	177	214	55
Mendocino	27	24	3	11	218	81	137	63	Tuolumne	17	17	0	0	75	31	44	59
Merced	75	73	2	3	235	106	129	55	Ventura	336	329	7	2	1,187	538	649	55
Modoc	1	1	0	0	3	0	3	100	Yolo	78	76	2	3	242	108	134	55
Mono	0	0	0	0	7	4	3	43	Yuba	9	9	0	0	69	26	43	62
Monterey	166	161	5	3	1,014	461	553	55									
Napa	95	90	5	5	269	111	158	59									
Nevada	13	13	0	0	140	61	79	56									
TOTAL	46,883	44,717	2,166	5	165,559	72,496	93,063	56									

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 12/31/2012.

Counts exclude cases diagnosed, but not yet reported as of December 31, 2012, 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 31, 2012.

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





CALIFORNIA HIV/AIDS SEMI-ANNUAL SUMMARY REPORT

CASES REPORTED AS OF DECEMBER 31, 2012

TABLE 2.

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	38,744	86.6	40,536	86.5	63,694	87.9	149,505	90.3	102,438	87.4	190,041	89.5
Female	5,665	12.7	6,023	12.8	8,173	11.3	15,025	9.1	13,838	11.8	21,048	9.9
Transgender	308	0.7	324	0.7	629	0.9	1,029	0.6	937	0.8	1,353	0.6
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
RACE/ETHNICITY												
White	19,894	44.5	21,034	44.9	31,764	43.8	87,684	53.0	51,658	44.1	108,718	51.2
Black	8,123	18.2	8,637	18.4	13,087	18.1	29,243	17.7	21,210	18.1	37,880	17.8
Hispanic	14,076	31.5	14,487	30.9	23,960	33.1	41,990	25.4	38,036	32.5	56,477	26.6
Asian/Pacific Islander	1,835	4.1	1,875	4.0	2,611	3.6	4,295	2.6	4,446	3.8	6,170	2.9
American Indian/Alaskan Native	197	0.4	201	0.4	284	0.4	638	0.4	481	0.4	839	0.4
Multi-race	592	1.3	649	1.4	774	1.1	1,667	1.0	1,366	1.2	2,316	1.1
Unknown/Other	0	0.0	0	0.0	16	0.0	42	0.0	16	0.0	42	0.0
EXPOSURE CATEGORY												
MSM/Bisexual Male	30,601	68.4	31,547	67.3	46,440	64.1	109,993	66.4	77,041	65.7	141,540	66.6
Injection Drug Use	2,407	5.4	2,844	6.1	6,233	8.6	16,210	9.8	8,640	7.4	19,054	9.0
MSM/Bisexual Male & IDU	2,664	6.0	2,878	6.1	6,444	8.9	15,957	9.6	9,108	7.8	18,835	8.9
Hemophiliac/Transfusion*	71	0.2	88	0.2	403	0.6	2,203	1.3	474	0.4	2,291	1.1
Heterosexual Contact	3,873	8.7	4,019	8.6	6,806	9.4	10,699	6.5	10,679	9.1	14,718	6.9
Other/Unknown*	4,798	10.7	5,195	11.1	5,818	8.0	9,850	5.9	10,616	9.1	15,045	7.1
Perinatal Exposure	303	0.7	312	0.7	352	0.5	647	0.4	655	0.6	959	0.5
AGE GROUP**												
Under 13 years of age	352	0.8	363	0.8	279	0.4	687	0.4	631	0.5	1,050	0.5
13 to 19 years of age	1,286	2.9	1,306	2.8	586	0.8	826	0.5	1,872	1.6	2,132	1.0
20 to 29 years of age	13,520	30.2	13,812	29.5	12,230	16.9	25,423	15.4	25,750	22.0	39,235	18.5
30 to 39 years of age	15,564	34.8	16,156	34.5	29,746	41.0	68,716	41.5	45,310	38.7	84,872	40.0
40 to 49 years of age	9,981	22.3	10,629	22.7	21,005	29.0	47,294	28.6	30,986	26.4	57,923	27.3
Over 49 years of age	4,014	9.0	4,617	9.8	8,650	11.9	22,613	13.7	12,664	10.8	27,230	12.8
TOTAL	44,717	100.0	46,883	100.0	72,496	100.0	165,559	100.0	117,213	100.0	212,442	100.0

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 12/31/2012.
 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 December 31, 2012.
 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 31, 2012

TABLE 3.

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	15,696	4,264	9,685	1,902	31,547	66,098	13,486	26,191	4,218	109,993	81,794	17,750	35,876	6,120	141,540
IDU	1,197	873	652	122	2,844	5,855	6,189	3,691	475	16,210	7,052	7,062	4,343	597	19,054
MSM/Bi & IDU	1,661	443	626	148	2,878	9,370	2,948	3,026	613	15,957	11,031	3,391	3,652	761	18,835
Heterosexual Contact	1,091	1,311	1,383	234	4,019	2,851	3,464	3,788	596	10,699	3,942	4,775	5,171	830	14,718
Other	1,389	1,746	2,141	319	5,595	3,510	3,156	5,294	740	12,700	4,899	4,902	7,435	1,059	18,295
TOTAL	21,034	8,637	14,487	2,725	46,883	87,684	29,243	41,990	6,642	165,559	108,718	37,880	56,477	9,367	212,442

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 12/31/2012.

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.

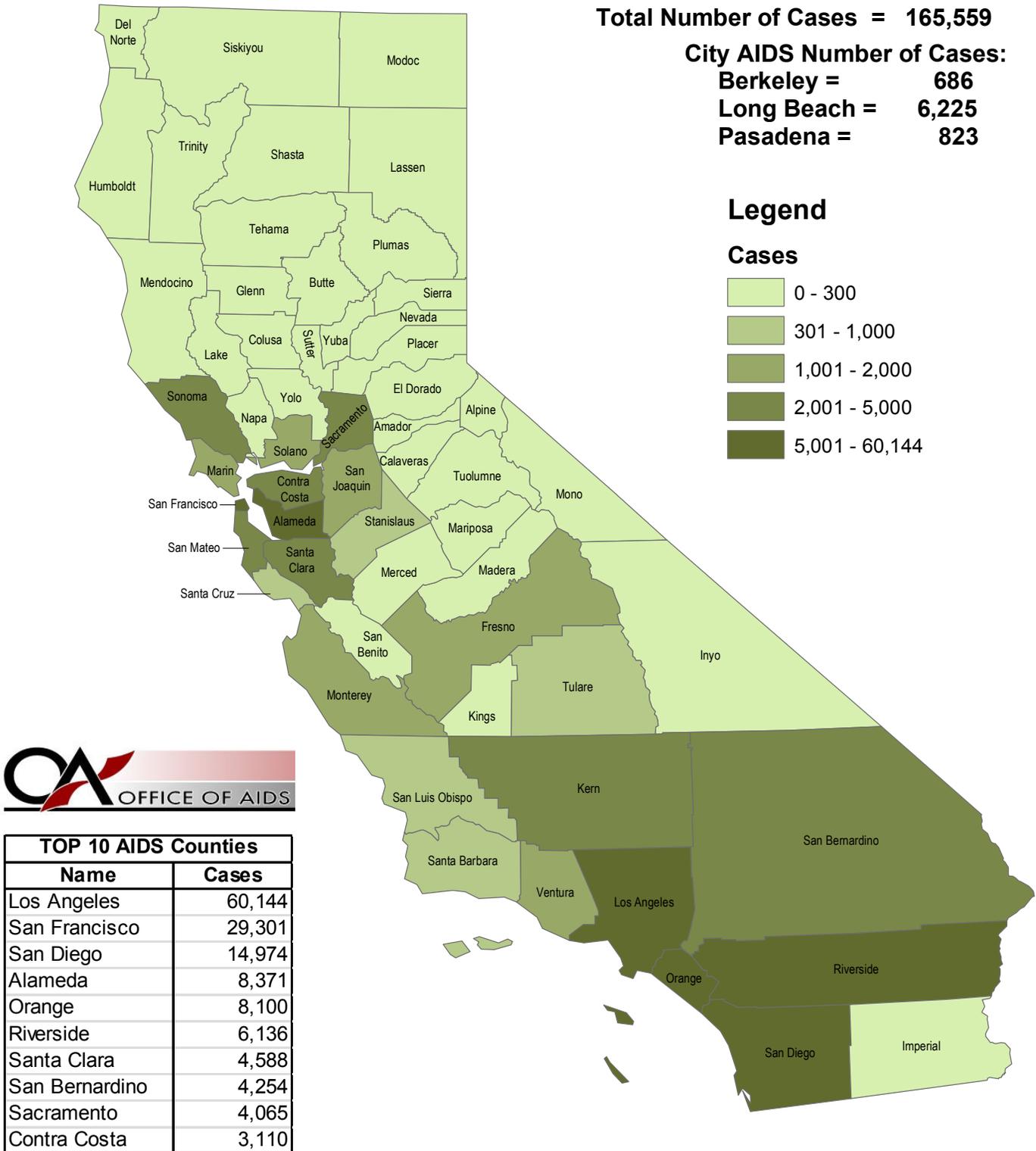
Other mode of exposure includes hemophiliac, transfusion of blood or blood products/transplant, confirmed other risk, no identified or reported risk and Perinatal.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 31, 2012.

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

AIDS CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF DECEMBER 31, 2012

Figure 5.

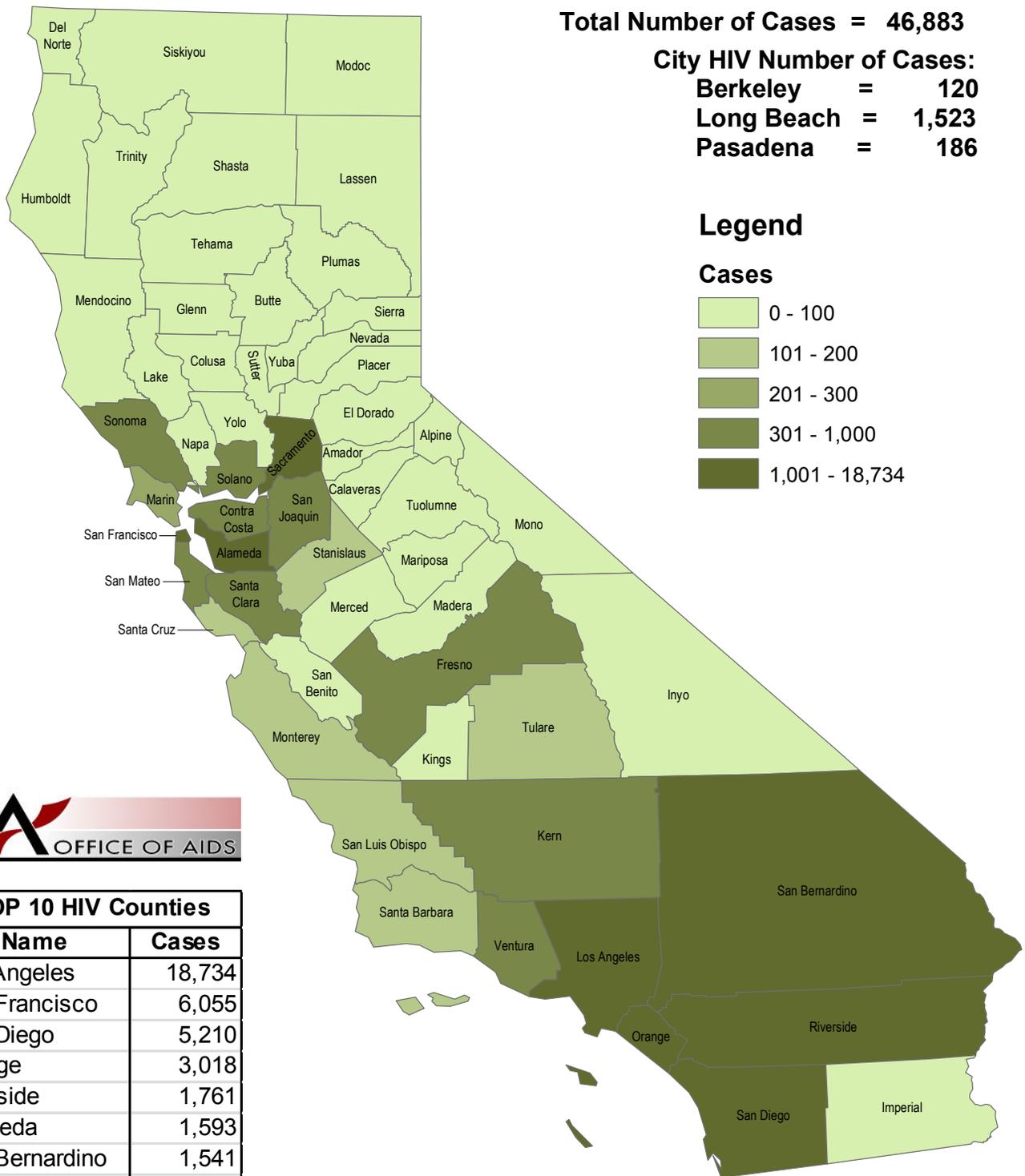


HIV reporting began in April 2006.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 31, 2012.
 For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.

HIV (NON-AIDS) CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF DECEMBER 31, 2012

Figure 6.



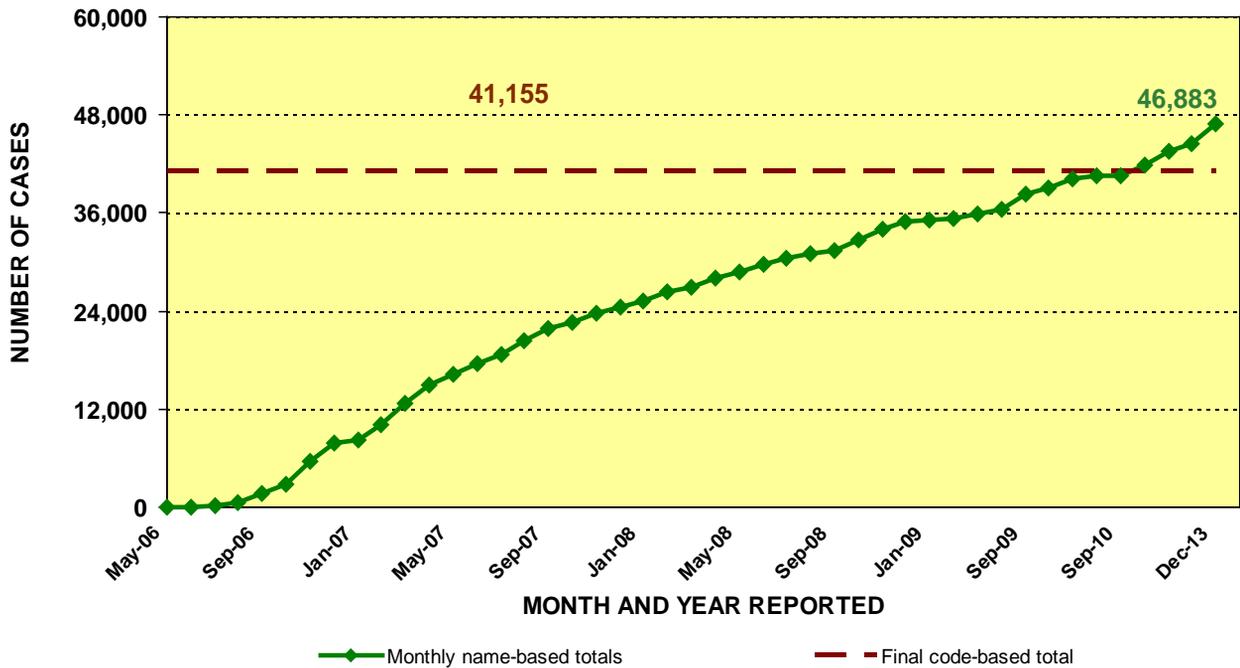
TOP 10 HIV Counties	
Name	Cases
Los Angeles	18,734
San Francisco	6,055
San Diego	5,210
Orange	3,018
Riverside	1,761
Alameda	1,593
San Bernardino	1,541
Sacramento	1,537
Santa Clara	968
Contra Costa	748

HIV reporting began in April 2006.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 31, 2012. For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.

NAMES-BASED HIV CASES COMPARED TO FINAL CODE-BASED TOTAL CUMULATIVE AS OF DECEMBER 31, 2012

FIGURE 7.



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	1,593	1,713
Berkeley	120	123
Alpine	0	1
Amador	11	21
Butte	80	87
Calaveras	6	3
Colusa	3	3
Contra Costa	748	688
Del Norte	8	16
El Dorado	71	49
Fresno	622	692
Glenn	6	4
Humboldt	64	93
Imperial	77	61
Inyo	2	2
Kern	682	534
Kings	87	95
Lake	20	33
Lassen	13	8
Los Angeles	18,734	15,304
Long Beach	1,523	1,397
Pasadena	186	130
Madera	87	106
Marin	287	352
Mariposa	2	5
Mendocino	27	48
Merced	75	48
Modoc	1	0
Mono	0	0
Monterey	166	162
Napa	95	73
Nevada	13	11

COUNTY	NAME-BASED	CODE-BASED
Orange	3,018	2,155
Placer	66	51
Plumas	4	4
Riverside	1,761	1,691
Sacramento	1,537	814
San Benito	15	2
San Bernardino	1,541	1,271
San Diego	5,210	4,944
San Francisco	6,055	6,182
San Joaquin	538	411
San Luis Obispo	160	133
San Mateo	492	392
Santa Barbara	172	143
Santa Clara	968	1,017
Santa Cruz	165	152
Shasta	49	16
Sierra	1	0
Siskiyou	9	6
Solano	401	418
Sonoma	376	415
Stanislaus	166	214
Sutter	38	24
Tehama	14	4
Trinity	1	0
Tulare	106	79
Tuolumne	17	13
Ventura	336	313
Yolo	78	62
Yuba	9	14
TOTAL	46,883	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 31, 2012.

For more information, call the HIV/AIDS Surveillance Section at (916) 449-5866.