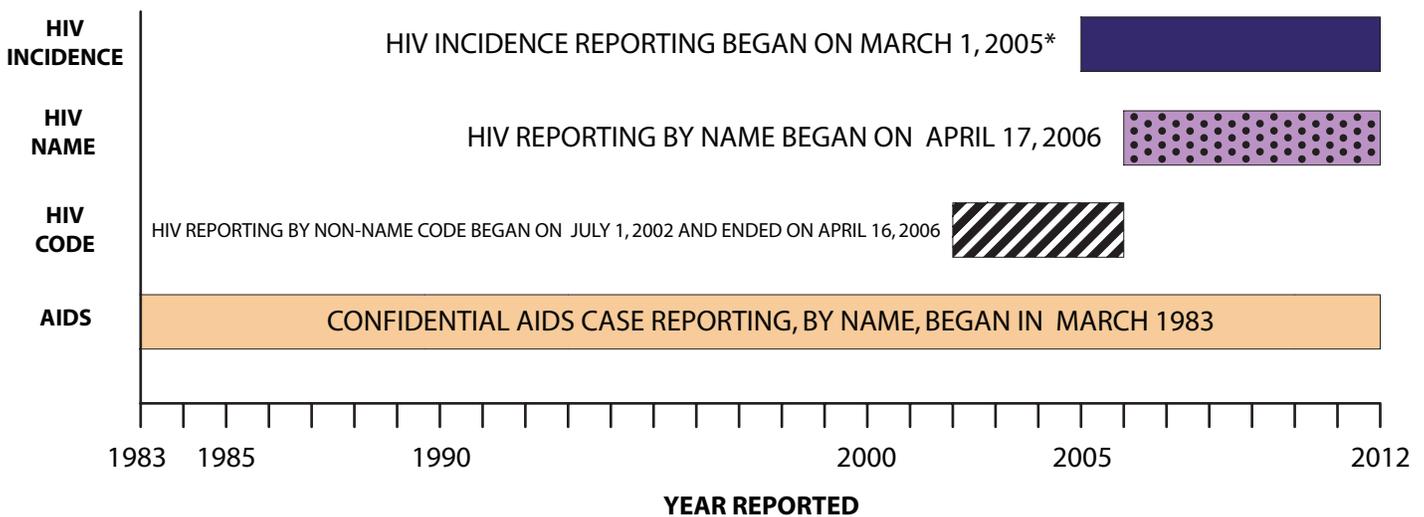


## HIV/AIDS SURVEILLANCE IN CALIFORNIA

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**



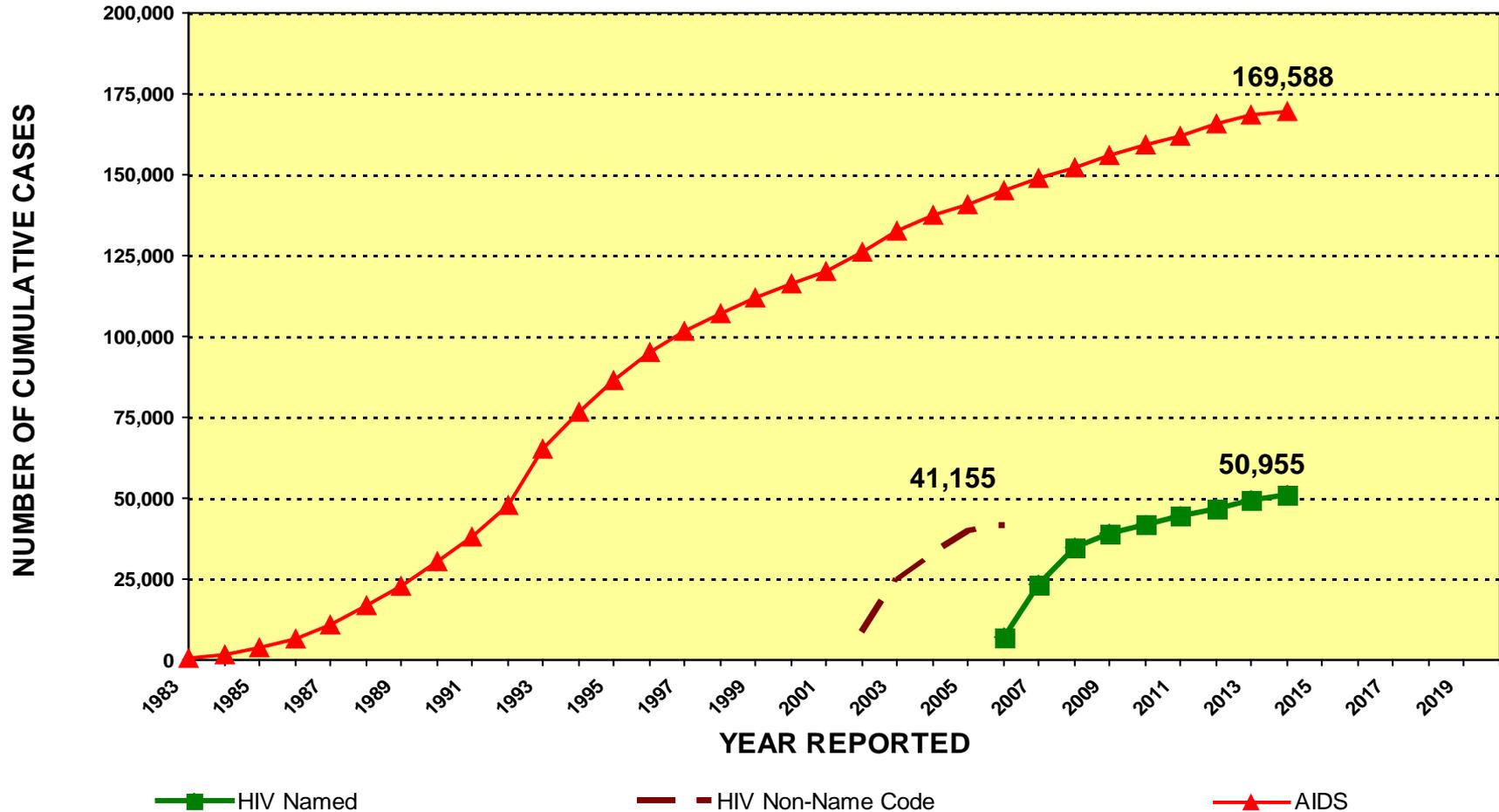
In California and the rest of the United States, HIV infections and AIDS diagnoses are reported through a combination of passive and active surveillance. Passive surveillance is conducted through state required reporting of HIV and AIDS cases by health care providers and reporting of HIV-positive test 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 JUNE 30, 2014



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.

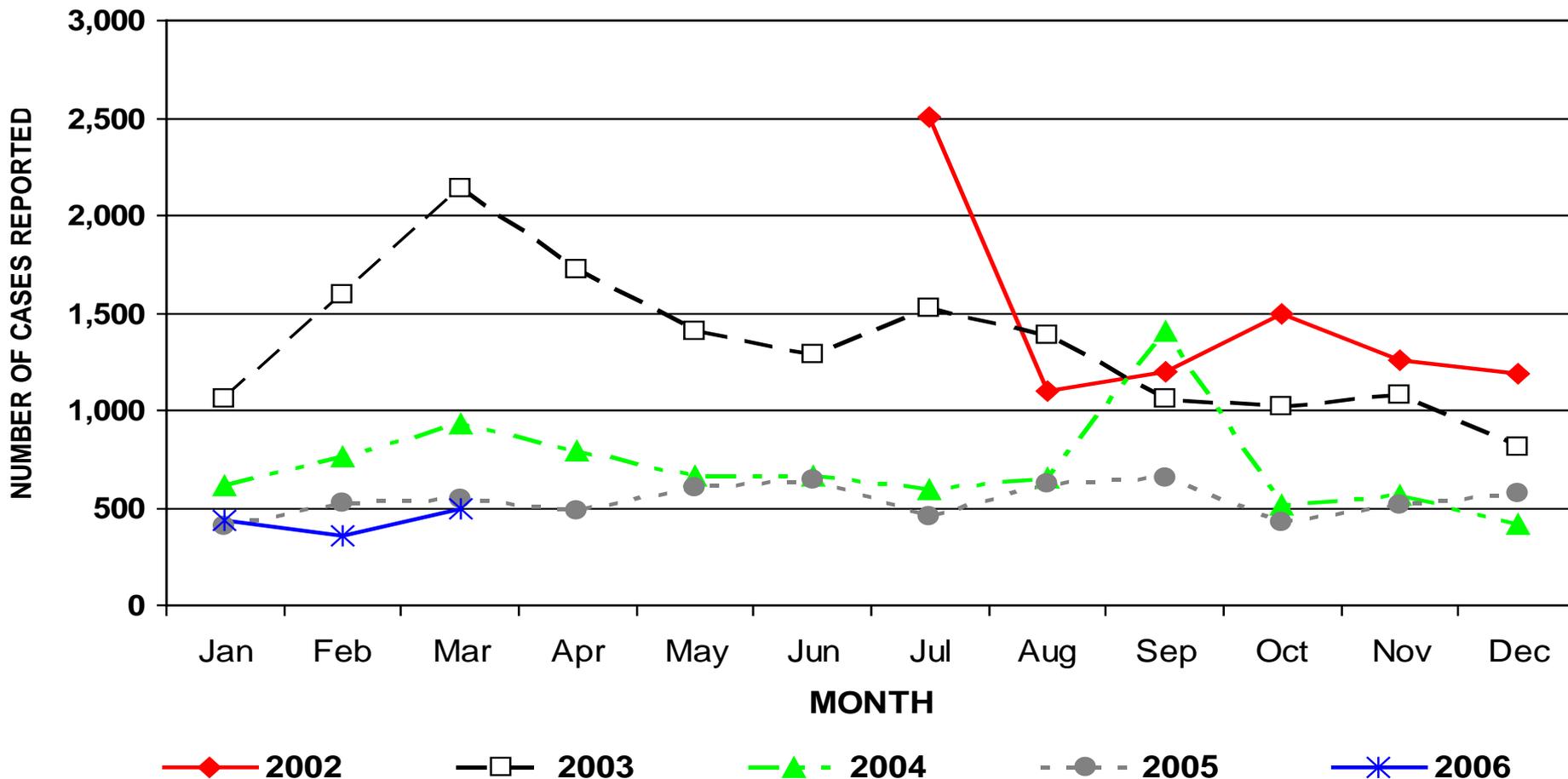
Statistics reported for the current quarter may vary from previous quarters due to data cleaning efforts that are ongoing at the Office of AIDS, Surveillance Section. Those data cleaning efforts include duplicate resolution of cases which may result in a net decrease for some jurisdictions comparing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

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of June 3, 2014.

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



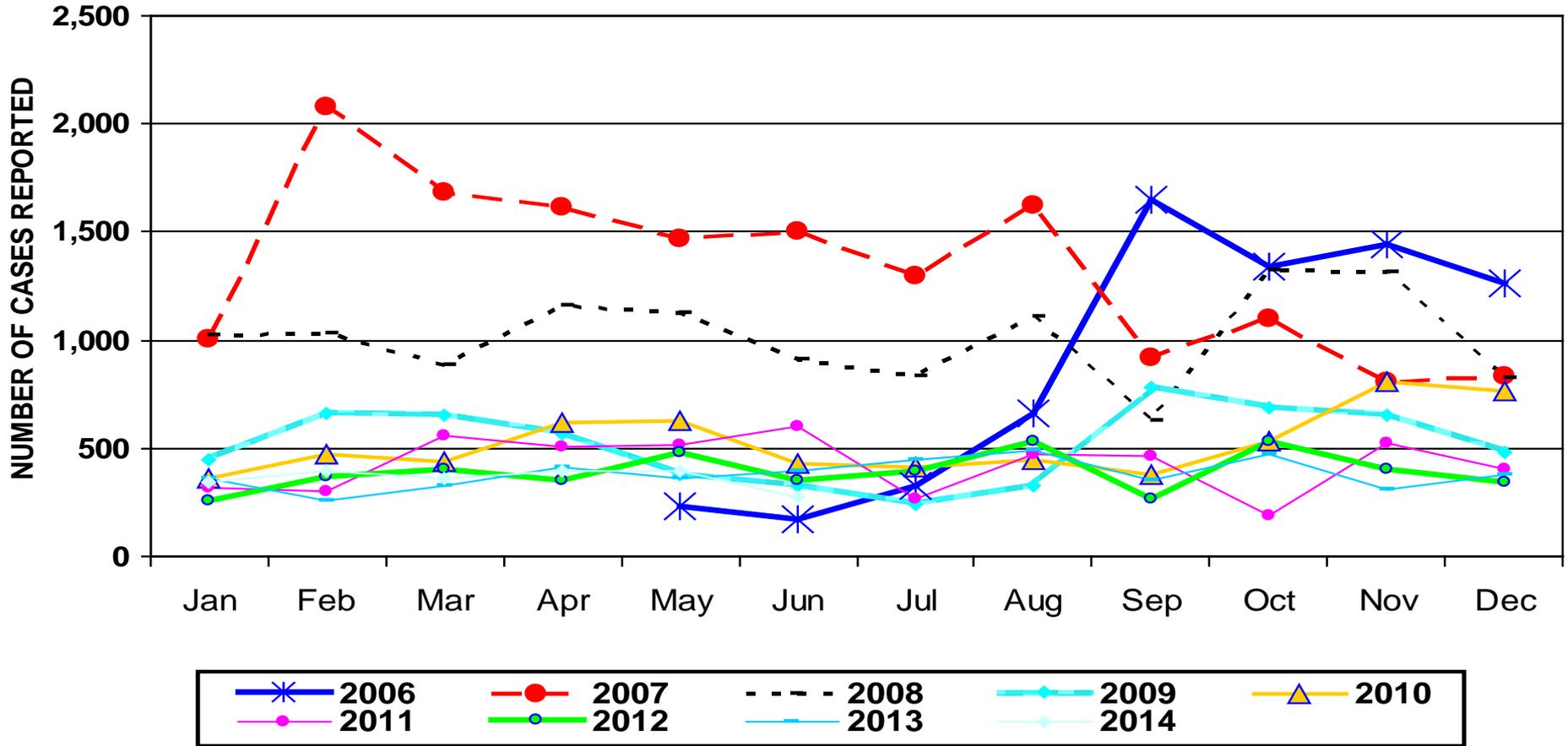
HIV case totals through March 2006 represent HIV cases reported by non-name code. Beginning April 2006, HIV case total are based on HIV cases reported by name. Due to reporting system differences, HIV cases reported by non-name code and name cannot be combined for unduplicated case counts.

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 JUNE 30, 2014



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 June 30, 2014.

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 JUNE 30, 2014

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	1,899	1,824	75	4	8,607	3,901	4,706	55	Orange	3,206	2,980	226	7	8,286	4,025	4,261	51
<i>Berkeley</i>	142	139	3	2	701	272	429	61	Placer	76	74	2	3	209	101	108	52
Alpine	0	0	0	0	0	0	0	0	Plumas	2	2	0	0	12	5	7	58
Amador	12	11	1	8	56	27	29	52	Riverside	1,935	1,839	96	5	6,344	3,356	2,988	47
Butte	87	78	9	10	284	121	163	57	Sacramento	1,627	1,545	82	5	4,227	1,957	2,270	54
Calaveras	10	9	1	10	22	11	11	50	San Benito	14	13	1	7	47	21	26	55
Colusa	3	2	1	33	15	3	12	80	San Bernardino	1,654	1,533	121	7	4,404	2,049	2,355	53
Contra Costa	805	746	59	7	3,192	1,321	1,871	59	San Diego	5,676	5,466	210	4	15,368	7,515	7,853	51
Del Norte	8	7	1	13	40	25	15	38	San Francisco	6,319	5,860	459	7	29,592	9,614	19,978	68
El Dorado	71	69	2	3	206	75	131	64	San Joaquin	588	560	28	5	1,412	700	712	50
Fresno	701	660	41	6	2,081	1,043	1,038	50	San Luis Obispo	163	154	9	6	632	311	321	51
Glenn	6	5	1	17	18	9	9	50	San Mateo	530	512	18	3	2,379	949	1,430	60
Humboldt	62	58	4	6	251	88	163	65	Santa Barbara	195	188	7	4	916	374	542	59
Imperial	93	90	3	3	272	162	110	40	Santa Clara	1,119	1,080	39	3	4,655	2,327	2,328	50
Inyo	3	3	0	0	19	10	9	47	Santa Cruz	163	156	7	4	656	270	386	59
Kern	735	699	36	5	2,067	1,242	825	40	Shasta	57	54	3	5	198	78	120	61
Kings	95	90	5	5	248	139	109	44	Sierra	1	1	0	0	4	0	4	100
Lake	22	20	2	9	160	62	98	61	Siskiyou	8	6	2	25	55	27	28	51
Lassen	13	12	1	8	61	29	32	52	Solano	425	405	20	5	1,702	809	893	52
Los Angeles	20,479	19,518	961	5	61,904	27,467	34,437	56	Sonoma	413	399	14	3	2,152	902	1,250	58
<i>Long Beach</i>	1,605	1,533	72	4	6,291	3,102	3,189	51	Stanislaus	179	172	7	4	826	392	434	53
<i>Pasadena</i>	214	201	13	6	841	306	535	64	Sutter	38	37	1	3	84	32	52	62
Madera	85	80	5	6	191	98	93	49	Tehama	15	12	3	20	38	22	16	42
Marin	299	276	23	8	1,700	629	1,071	63	Trinity	2	2	0	0	14	6	8	57
Mariposa	2	2	0	0	20	11	9	45	Tulare	129	121	8	6	413	187	226	55
Mendocino	30	26	4	13	220	80	140	64	Tuolumne	17	16	1	6	74	28	46	62
Merced	85	82	3	4	240	104	136	57	Ventura	379	370	9	2	1,224	555	669	55
Modoc	1	1	0	0	3	0	3	100	Yolo	86	82	4	5	252	116	136	54
Mono	0	0	0	0	7	4	3	43	Yuba	16	13	3	19	73	29	44	60
Monterey	197	191	6	3	1,040	471	569	55	Unknown	0	0	0	0	1	1	0	0
Napa	99	92	7	7	276	111	165	60									
Nevada	21	20	1	5	140	59	81	58									
<b>TOTAL</b>	<b>50,955</b>	<b>48,323</b>	<b>2,632</b>	<b>5</b>	<b>169,588</b>	<b>74,059</b>	<b>95,529</b>	<b>56</b>									

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 06/30/2014.

Counts exclude cases diagnosed, but not yet reported as of December 31, 2013, 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 June 30, 2014.

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





# CALIFORNIA HIV/AIDS SEMI-ANNUAL SUMMARY REPORT

## CASES REPORTED AS OF JUNE 30, 2014

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
<b>GENDER</b>												
Male	41,933	86.8	44,110	86.6	65,105	87.9	153,031	90.2	107,038	87.5	197,141	89.4
Female	6,021	12.5	6,455	12.7	8,300	11.2	15,483	9.1	14,321	11.7	21,938	9.9
Transgender	369	0.8	390	0.8	654	0.9	1,074	0.6	1,023	0.8	1,464	0.7
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>RACE/ETHNICITY</b>												
White	20,951	43.4	22,318	43.8	31,759	42.9	88,762	52.3	52,710	43.1	111,080	50.4
Black	8,564	17.7	9,198	18.1	13,215	17.8	29,934	17.7	21,779	17.8	39,132	17.7
Hispanic	15,733	32.6	16,228	31.8	25,111	33.9	43,797	25.8	40,844	33.4	60,025	27.2
American Indian/Alaskan Native	202	0.4	208	0.4	275	0.4	635	0.4	477	0.4	843	0.4
Asian/Pacific Islander	2,104	4.4	2,147	4.2	2,739	3.7	4,464	2.6	4,843	4.0	6,611	3.0
Multi-race	769	1.6	856	1.7	946	1.3	1,958	1.2	1,715	1.4	2,814	1.3
Unknown/Other	0	0.0	0	0.0	14	0.0	38	0.0	14	0.0	38	0.0
<b>EXPOSURE CATEGORY</b>												
MSM/Bisexual Male	33,297	68.9	34,456	67.6	47,642	64.3	112,536	66.4	80,939	66.1	146,992	66.7
Injection Drug Use	2,354	4.9	2,891	5.7	6,047	8.2	16,415	9.7	8,401	6.9	19,306	8.8
MSM/Bisexual Male & IDU	2,730	5.6	2,996	5.9	6,490	8.8	16,312	9.6	9,220	7.5	19,308	8.8
Hemophiliac/Transfusion*	62	0.1	79	0.2	387	0.5	2,201	1.3	449	0.4	2,280	1.0
Heterosexual Contact	4,050	8.4	4,230	8.3	6,955	9.4	11,052	6.5	11,005	9.0	15,282	6.9
Other/Unknown*	5,518	11.4	5,981	11.7	6,176	8.3	10,402	6.1	11,694	9.6	16,383	7.4
Perinatal Exposure	312	0.6	322	0.6	362	0.5	670	0.4	674	0.6	992	0.4
<b>AGE GROUP**</b>												
Under 13 years of age	368	0.8	381	0.7	273	0.4	688	0.4	641	0.5	1,069	0.5
13 to 19 years of age	1,471	3.0	1,495	2.9	618	0.8	869	0.5	2,089	1.7	2,364	1.1
20 to 29 years of age	15,048	31.1	15,399	30.2	12,702	17.2	26,174	15.4	27,750	22.7	41,573	18.9
30 to 39 years of age	16,458	34.1	17,158	33.7	29,972	40.5	69,719	41.1	46,430	37.9	86,877	39.4
40 to 49 years of age	10,526	21.8	11,331	22.2	21,419	28.9	48,459	28.6	31,945	26.1	59,790	27.1
Over 49 years of age	4,452	9.2	5,191	10.2	9,075	12.3	23,679	14.0	13,527	11.1	28,870	13.1
<b>TOTAL</b>	<b>48,323</b>	<b>100.0</b>	<b>50,955</b>	<b>100.0</b>	<b>74,059</b>	<b>100.0</b>	<b>169,588</b>	<b>100.0</b>	<b>122,382</b>	<b>100.0</b>	<b>220,543</b>	<b>100.0</b>

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 06/30/2014.

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 June 30, 2014.

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 JUNE 30, 2014

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	16,651	4,589	10,959	2,257	34,456	66,772	13,845	27,424	4,495	112,536	83,423	18,434	38,383	6,752	146,992
IDU	1,227	864	664	136	2,891	5,910	6,233	3,774	498	16,415	7,137	7,097	4,438	634	19,306
MSM/Bi & IDU	1,708	429	692	167	2,996	9,507	2,997	3,150	658	16,312	11,215	3,426	3,842	825	19,308
Heterosexual Contact	1,124	1,349	1,489	268	4,230	2,935	3,561	3,920	636	11,052	4,059	4,910	5,409	904	15,282
Other	1,608	1,967	2,424	383	6,382	3,638	3,298	5,529	808	13,273	5,246	5,265	7,953	1,191	19,655
<b>TOTAL</b>	22,318	9,198	16,228	3,594	50,955	21,806	29,768	43,298	7,903	169,588	111,080	39,132	60,025	10,306	220,543

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 06/30/2014.

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.

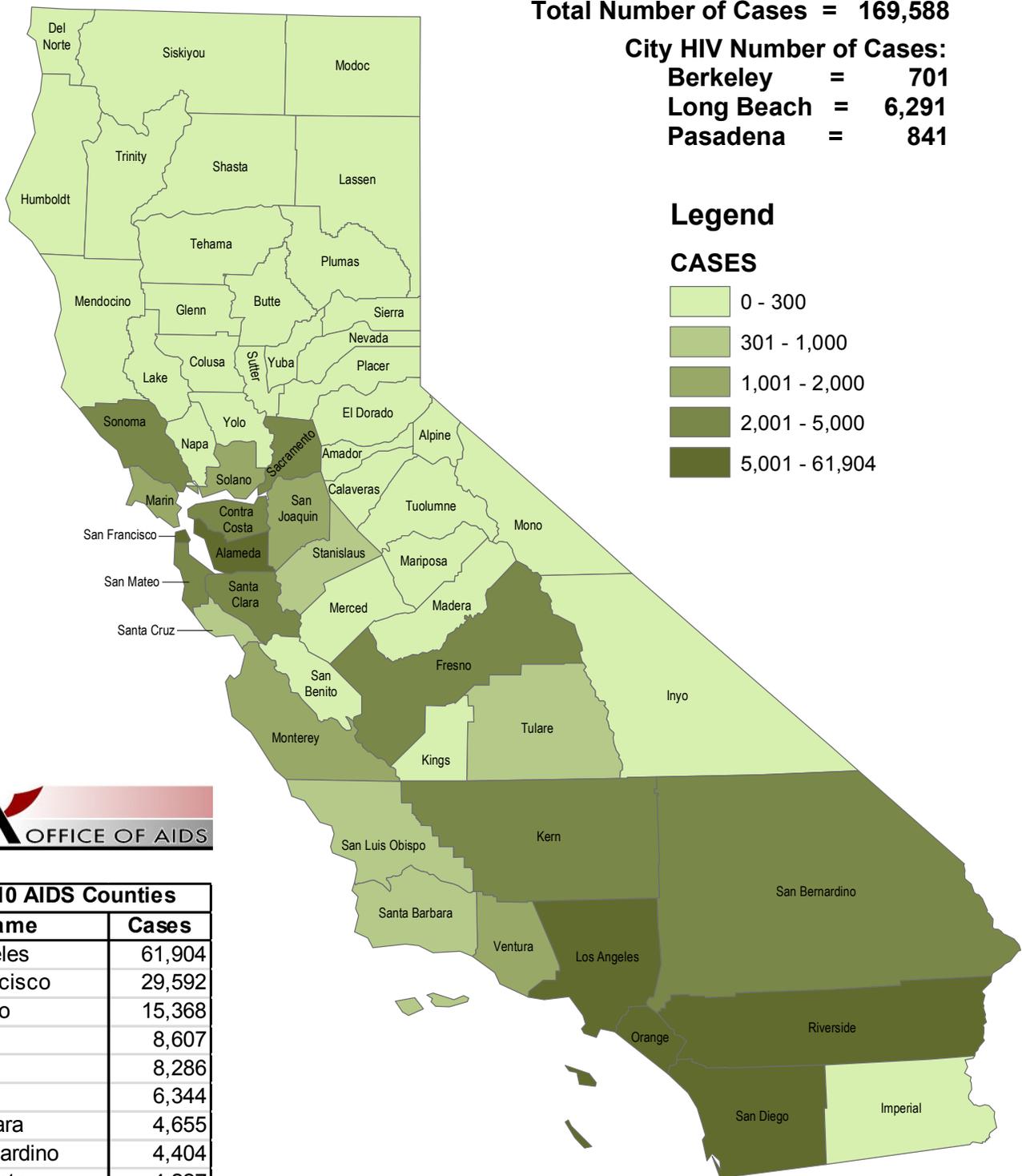
Other mode of exposure includes hemophiliac, transfusion of blood or blood products/transplant, confirmed other risk, no identified or reported risk and Perinatal.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of June 30, 2014.

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

# AIDS CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF JUNE 30, 2014

## Figure 6.

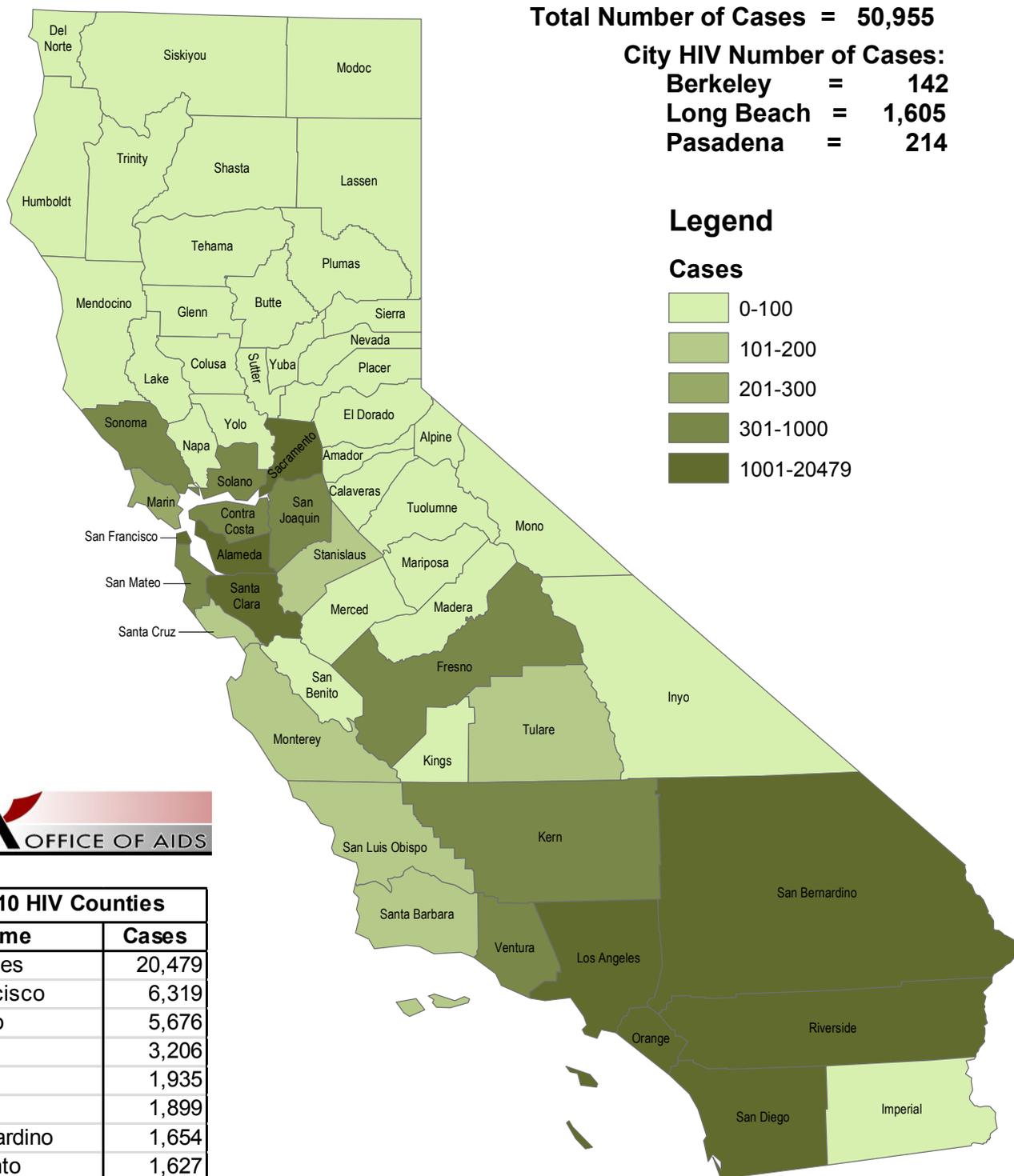


HIV reporting began in April 2006.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of June 30, 2014.  
 For more information, call the HIV/AIDS Surveillance Section at (916) 449-5954.

# HIV CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF JUNE 30, 2014

## Figure 6.



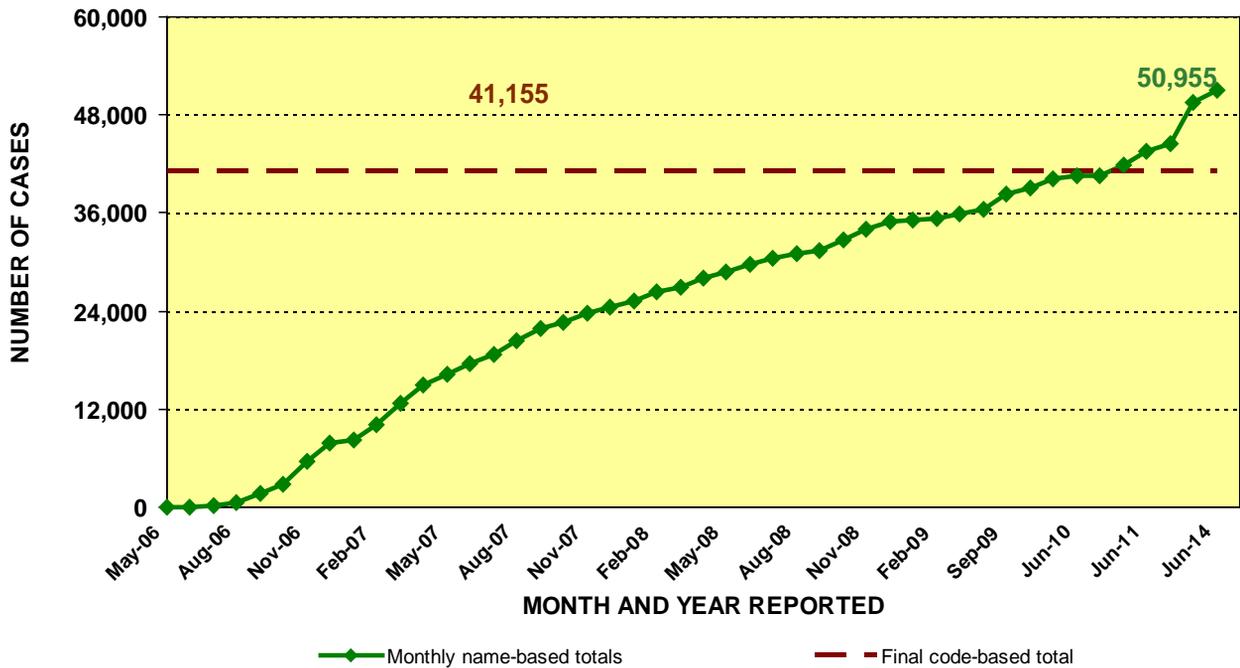
TOP 10 HIV Counties	
Name	Cases
Los Angeles	20,479
San Francisco	6,319
San Diego	5,676
Orange	3,206
Riverside	1,935
Alameda	1,899
San Bernardino	1,654
Sacramento	1,627
Santa Clara	1,119
Contra Costa	805

HIV reporting began in April 2006.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of June 30, 2014.  
 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 JUNE 30, 2014

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	1,899	1,713
Berkeley	142	123
Alpine	0	1
Amador	12	21
Butte	87	87
Calaveras	10	3
Colusa	3	3
Contra Costa	805	688
Del Norte	8	16
El Dorado	71	49
Fresno	701	692
Glenn	6	4
Humboldt	62	93
Imperial	93	61
Inyo	3	2
Kern	735	534
Kings	95	95
Lake	22	33
Lassen	13	8
Los Angeles	20,479	15,304
Long Beach	1,605	1,397
Pasadena	214	130
Madera	85	106
Marin	299	352
Mariposa	2	5
Mendocino	30	48
Merced	85	48
Modoc	1	0
Mono	0	0
Monterey	197	162
Napa	99	73
Nevada	21	11

COUNTY	NAME-BASED	CODE-BASED
Orange	3,206	2,155
Placer	76	51
Plumas	2	4
Riverside	1,935	1,691
Sacramento	1,627	814
San Benito	14	2
San Bernardino	1,654	1,271
San Diego	5,676	4,944
San Francisco	6,319	6,182
San Joaquin	588	411
San Luis Obispo	163	133
San Mateo	530	392
Santa Barbara	195	143
Santa Clara	1,119	1,017
Santa Cruz	163	152
Shasta	57	16
Sierra	1	0
Siskiyou	8	6
Solano	425	418
Sonoma	413	415
Stanislaus	179	214
Sutter	38	24
Tehama	15	4
Trinity	2	0
Tulare	129	79
Tuolumne	17	13
Ventura	379	313
Yolo	86	62
Yuba	16	14
Unknown	0	3
<b>TOTAL</b>	<b>49,473</b>	<b>41,155</b>

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 June 30, 2012.  
 For more information, call the HIV/AIDS Surveillance Section at (916) 449-5866.