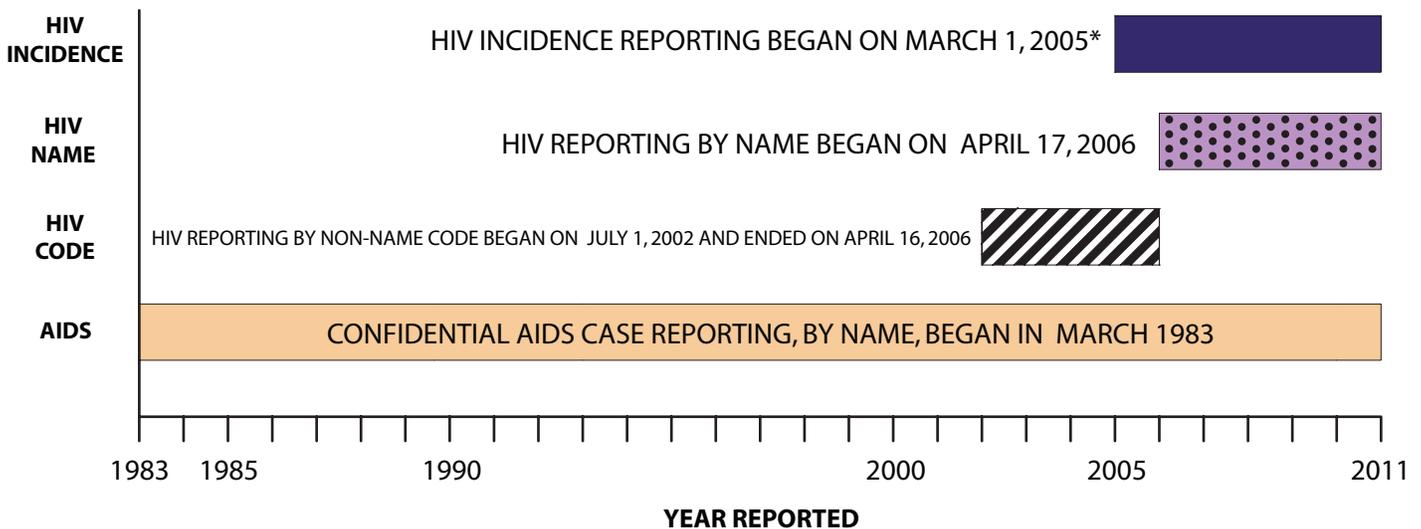


## HIV/AIDS SURVEILLANCE IN CALIFORNIA

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**



\* Date reflects approval of the California area protocol and the beginning of data collection.

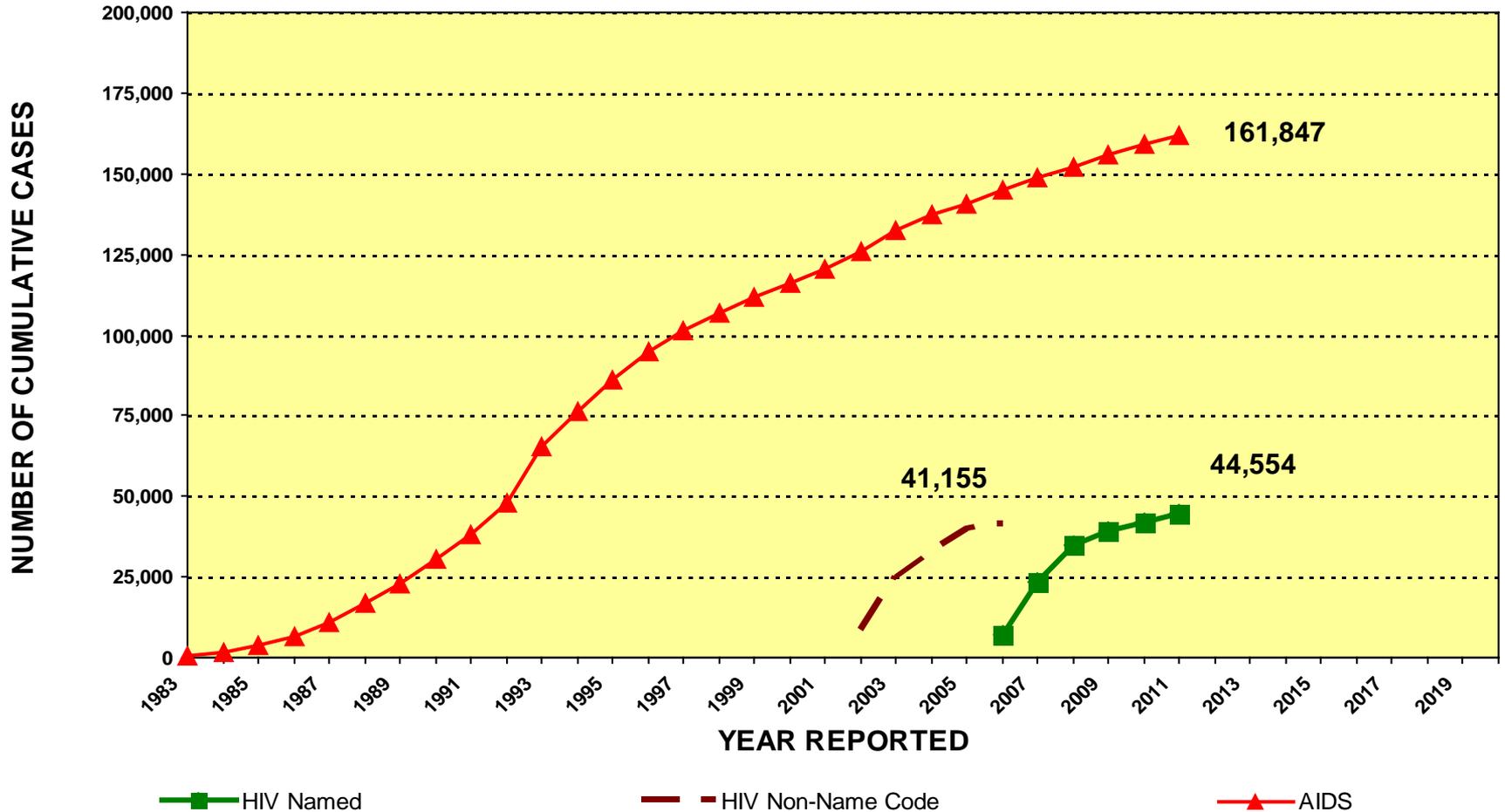
In California and the rest of the United States, HIV infections and AIDS diagnoses are reported through a combination of passive and active surveillance. Passive surveillance is conducted through state required reporting of HIV and AIDS cases by health care providers and reporting of HIV-positive test 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, 2011



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.

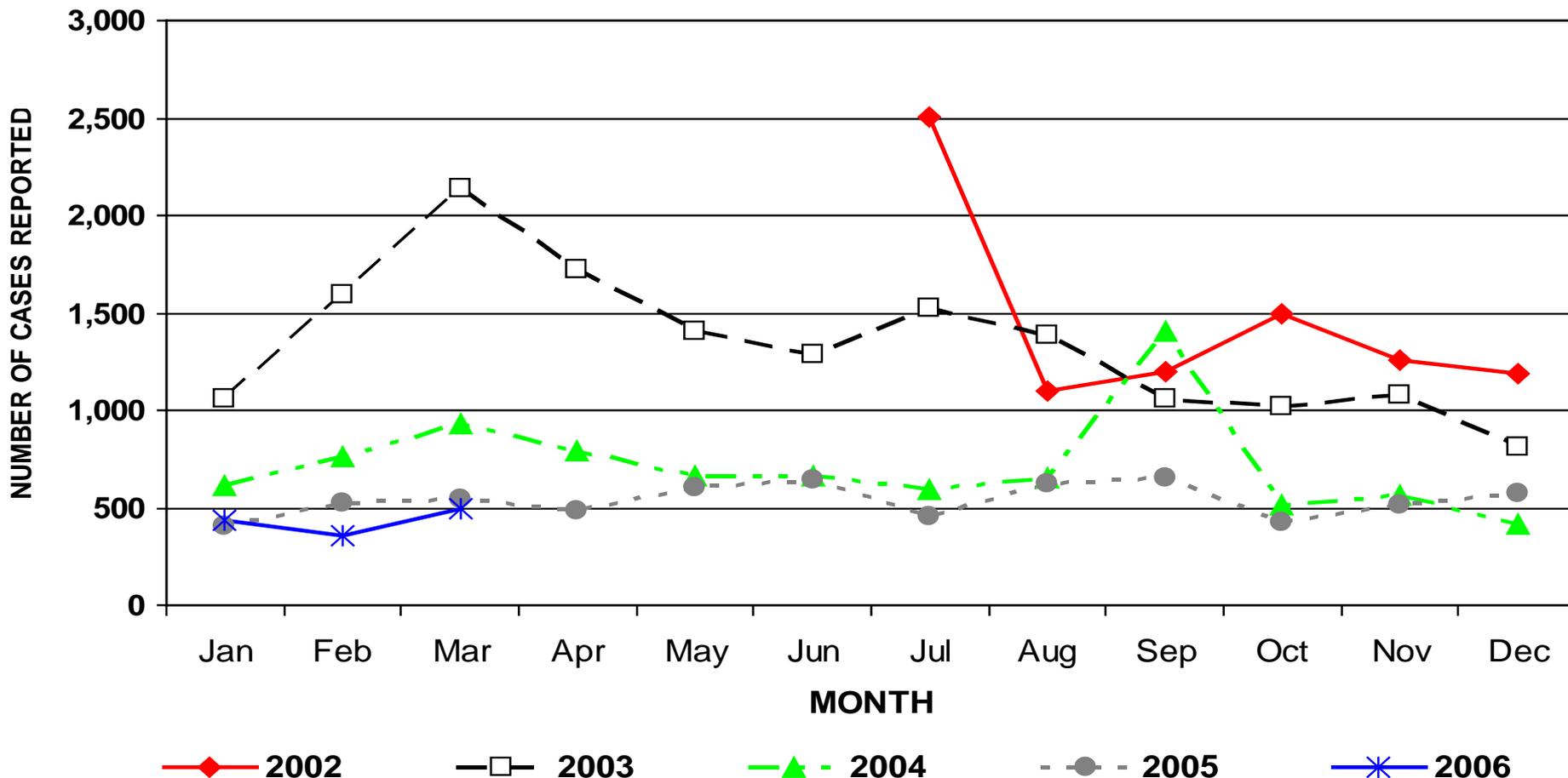
Statistics reported for the current quarter may vary from previous quarters due to data cleaning efforts that are ongoing at the Office of AIDS, Surveillance Section. Those data cleaning efforts include duplicate resolution of cases which may result in a net decrease for some jurisdictions comparing 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, 2011.

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



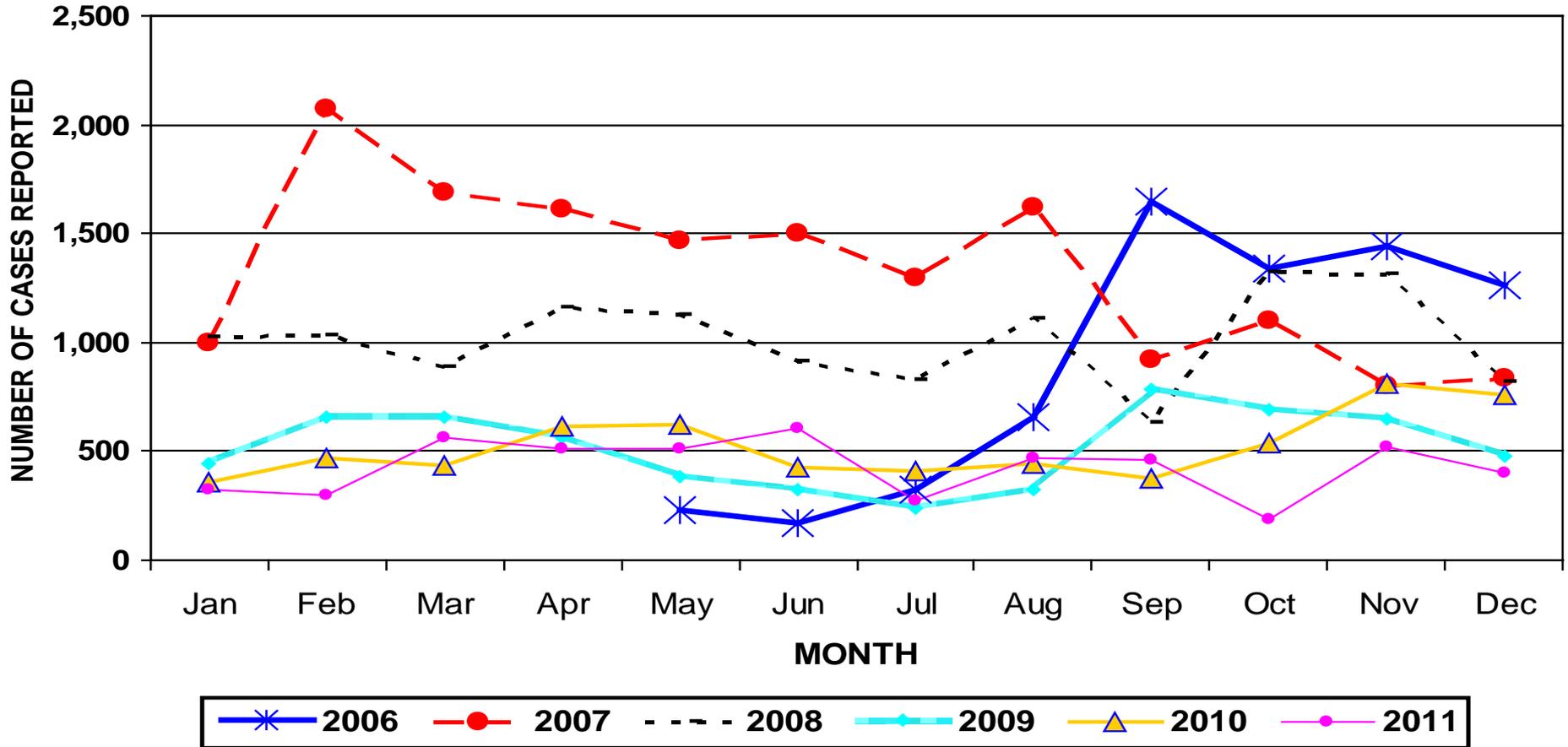
HIV case totals through March 2006 represent HIV cases reported by non-name code. Beginning April 2006, HIV case total are based on HIV cases reported by name. Due to reporting system differences, HIV cases reported by non-name code and name cannot be combined for unduplicated case counts.

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 31, 2011



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 31, 2011.

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, 2011

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	1,506	1,466	40	3	8,235	3,689	4,546	55	Orange	2,932	2,743	189	6	7,984	3,912	4,072	51
<i>Berkeley</i>	113	113	0	0	676	260	416	62	Placer	47	46	1	2	199	97	102	51
Alpine	0	0	0	0	0	0	0	0	Plumas	2	2	0	0	12	5	7	58
Amador	12	12	0	0	52	24	28	54	Riverside	1,554	1,500	54	3	6,032	3,251	2,781	46
Butte	76	67	9	12	278	128	150	54	Sacramento	1,415	1,370	45	3	4,004	1,799	2,205	55
Calaveras	6	6	0	0	21	10	11	52	San Benito	11	10	1	9	48	23	25	52
Colusa	1	1	0	0	14	2	12	86	San Bernardino	1,561	1,455	106	7	4,199	1,981	2,218	53
Contra Costa	721	676	45	6	3,072	1,262	1,810	59	San Diego	4,887	4,733	154	3	14,747	7,165	7,582	51
Del Norte	8	8	0	0	39	23	16	41	San Francisco	5,977	5,620	357	6	29,073	9,514	19,559	67
El Dorado	68	66	2	3	199	70	129	65	San Joaquin	517	503	14	3	1,344	695	649	48
Fresno	550	532	18	3	1,903	950	953	50	San Luis Obispo	152	150	2	1	620	312	308	50
Glenn	6	5	1	17	17	8	9	53	San Mateo	458	445	13	3	2,334	924	1,410	60
Humboldt	68	64	4	6	245	87	158	64	Santa Barbara	160	155	5	3	893	366	527	59
Imperial	73	70	3	4	247	148	99	40	Santa Clara	878	863	15	2	4,488	2,259	2,229	50
Inyo	2	2	0	0	18	9	9	50	Santa Cruz	144	139	5	3	641	273	368	57
Kern	687	667	20	3	2,024	1,279	745	37	Shasta	49	47	2	4	189	79	110	58
Kings	86	83	3	3	237	136	101	43	Sierra	1	1	0	0	4	0	4	100
Lake	20	19	1	5	158	66	92	58	Siskiyou	7	7	0	0	46	18	28	61
Lassen	12	11	1	8	60	30	30	50	Solano	412	397	15	4	1,677	832	845	50
Los Angeles	17,708	17,000	708	4	57,788	24,723	33,065	57	Sonoma	357	345	12	3	2,123	914	1,209	57
<i>Long Beach</i>	1,436	1,379	57	4	6,147	3,095	3,052	50	Stanislaus	155	151	4	3	793	382	411	52
<i>Pasadena</i>	168	159	9	5	806	300	506	63	Sutter	34	33	1	3	79	28	51	65
Madera	86	84	2	2	182	102	80	44	Tehama	11	9	2	18	37	22	15	41
Marin	292	278	14	5	1,692	661	1,031	61	Trinity	1	1	0	0	13	5	8	62
Mariposa	2	2	0	0	16	8	8	50	Tulare	85	80	5	6	379	169	210	55
Mendocino	25	22	3	12	218	81	137	63	Tuolumne	15	15	0	0	73	31	42	58
Merced	62	60	2	3	226	99	127	56	Ventura	322	317	5	2	1,159	529	630	54
Modoc	1	1	0	0	3	0	3	100	Yolo	66	64	2	3	239	106	133	56
Mono	0	0	0	0	7	4	3	43	Yuba	9	9	0	0	68	26	42	62
Monterey	152	149	3	2	999	458	541	54	Unknown	0	0	0	0	1	1	0	0
Napa	94	89	5	5	265	110	155	58									
Nevada	11	11	0	0	134	56	78	58									
									<b>TOTAL</b>	<b>44,554</b>	<b>42,661</b>	<b>1,893</b>	<b>4</b>	<b>161,847</b>	<b>69,941</b>	<b>91,906</b>	<b>57</b>

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 12/31/2011. Counts exclude cases diagnosed, but not yet reported as of December 31, 2011 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. Cases diagnosed with AIDS but lacking residence at AIDS diagnosis are excluded. Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 31, 2011. 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, 2011

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	36,859	86.4	38,427	86.2	61,449	87.9	146,251	90.4	98,308	87.3	184,678	89.5
Female	5,523	12.9	5,832	13.1	7,893	11.3	14,608	9.0	13,416	11.9	20,440	9.9
Transgender	279	0.7	295	0.7	599	0.9	988	0.6	878	0.8	1,283	0.6
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>RACE/ETHNICITY</b>												
White	19,393	45.5	20,384	45.8	31,269	44.7	86,745	53.6	50,662	45.0	107,129	51.9
Black	7,863	18.4	8,319	18.7	12,724	18.2	28,662	17.7	20,587	18.3	36,981	17.9
Hispanic	13,003	30.5	13,360	30.0	22,564	32.3	40,192	24.8	35,567	31.6	53,552	25.9
Asian/Pacific Islander	1,693	4.0	1,734	3.9	2,467	3.5	4,137	2.6	4,160	3.7	5,871	2.8
American Indian/Alaskan Native	198	0.5	202	0.5	291	0.4	650	0.4	489	0.4	852	0.4
Multi-race	511	1.2	555	1.2	606	0.9	1,411	0.9	1,117	1.0	1,966	1.0
Unknown/Other	0	0.0	0	0.0	20	0.0	50	0.0	20	0.0	50	0.0
<b>EXPOSURE CATEGORY</b>												
MSM/Bisexual Male	28,998	68.0	29,820	66.9	44,731	64.0	107,649	66.5	73,729	65.5	137,469	66.6
Injection Drug Use	2,498	5.9	2,881	6.5	6,246	8.9	16,084	9.9	8,744	7.8	18,965	9.2
MSM/Bisexual Male & IDU	2,606	6.1	2,791	6.3	6,241	8.9	15,592	9.6	8,847	7.9	18,383	8.9
Hemophiliac/Transfusion*	74	0.2	91	0.2	413	0.6	2,211	1.4	487	0.4	2,302	1.1
Heterosexual Contact	3,784	8.9	3,911	8.8	6,654	9.5	10,457	6.5	10,438	9.3	14,368	7.0
Other/Unknown*	4,405	10.3	4,756	10.7	5,330	7.6	9,234	5.7	9,735	8.6	13,990	6.8
Perinatal Exposure	296	0.7	304	0.7	326	0.5	620	0.4	622	0.6	924	0.4
<b>AGE GROUP**</b>												
Under 13 years of age	339	0.8	349	0.8	277	0.4	684	0.4	616	0.5	1,033	0.5
13 to 19 years of age	1,189	2.8	1,202	2.7	533	0.8	768	0.5	1,722	1.5	1,970	1.0
20 to 29 years of age	12,598	29.5	12,842	28.8	11,637	16.6	24,710	15.3	24,235	21.5	37,552	18.2
30 to 39 years of age	15,156	35.5	15,688	35.2	29,139	41.7	67,811	41.9	44,295	39.3	83,499	40.5
40 to 49 years of age	9,592	22.5	10,176	22.8	20,278	29.0	46,163	28.5	29,870	26.5	56,339	27.3
Over 49 years of age	3,787	8.9	4,297	9.6	8,077	11.5	21,711	13.4	11,864	10.5	26,008	12.6
<b>TOTAL</b>	<b>42,661</b>	<b>100.0</b>	<b>44,554</b>	<b>100.0</b>	<b>69,941</b>	<b>100.0</b>	<b>161,847</b>	<b>100.0</b>	<b>112,602</b>	<b>100.0</b>	<b>206,401</b>	<b>100.0</b>

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 12/31/2011.

Cases diagnosed with AIDS but lacking residence at AIDS diagnosis are excluded.

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, 2011.

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, 2011

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	15,155	4,044	8,887	1,734	29,820	65,431	13,168	25,043	4,007	107,649	80,586	17,212	33,930	5,741	137,469
IDU	1,227	890	657	107	2,881	5,806	6,200	3,643	435	16,084	7,033	7,090	4,300	542	18,965
MSM/Bi & IDU	1,625	434	587	145	2,791	9,250	2,905	2,887	550	15,592	10,875	3,339	3,474	695	18,383
Heterosexual Contact	1,061	1,318	1,310	222	3,911	2,819	3,407	3,664	567	10,457	3,880	4,725	4,974	789	14,368
Other	1,316	1,633	1,919	283	5,151	3,439	2,982	4,955	689	12,065	4,755	4,615	6,874	972	17,216
<b>TOTAL</b>	20,384	8,319	13,360	2,491	44,554	86,745	28,662	40,192	6,248	161,847	107,129	36,981	53,552	8,739	206,401

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 12/31/2011.

MSM/Bi = Men who have sex with men/Bisexual males. IDU = Injection drug use. Cases diagnosed with AIDS but lacking residence at diagnosis are excluded.

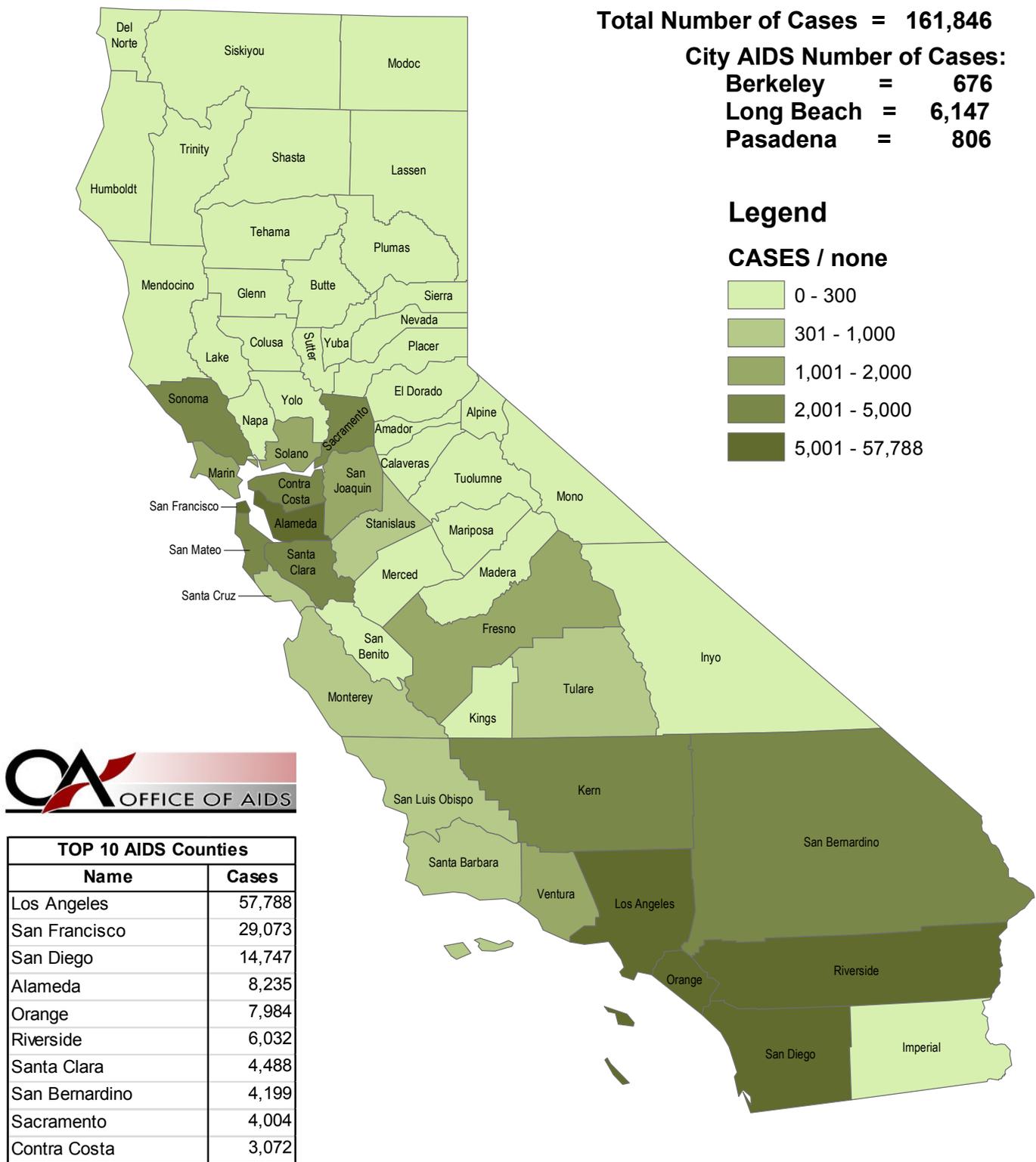
Other Race/Ethnicity includes Asian/Pacific Islander, American Indian/Alaskan Native, Multi-Race and those with unknown or missing race/ethnicity.

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 31, 2011.

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

# AIDS CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF DECEMBER 31, 2011 FIGURE 6.



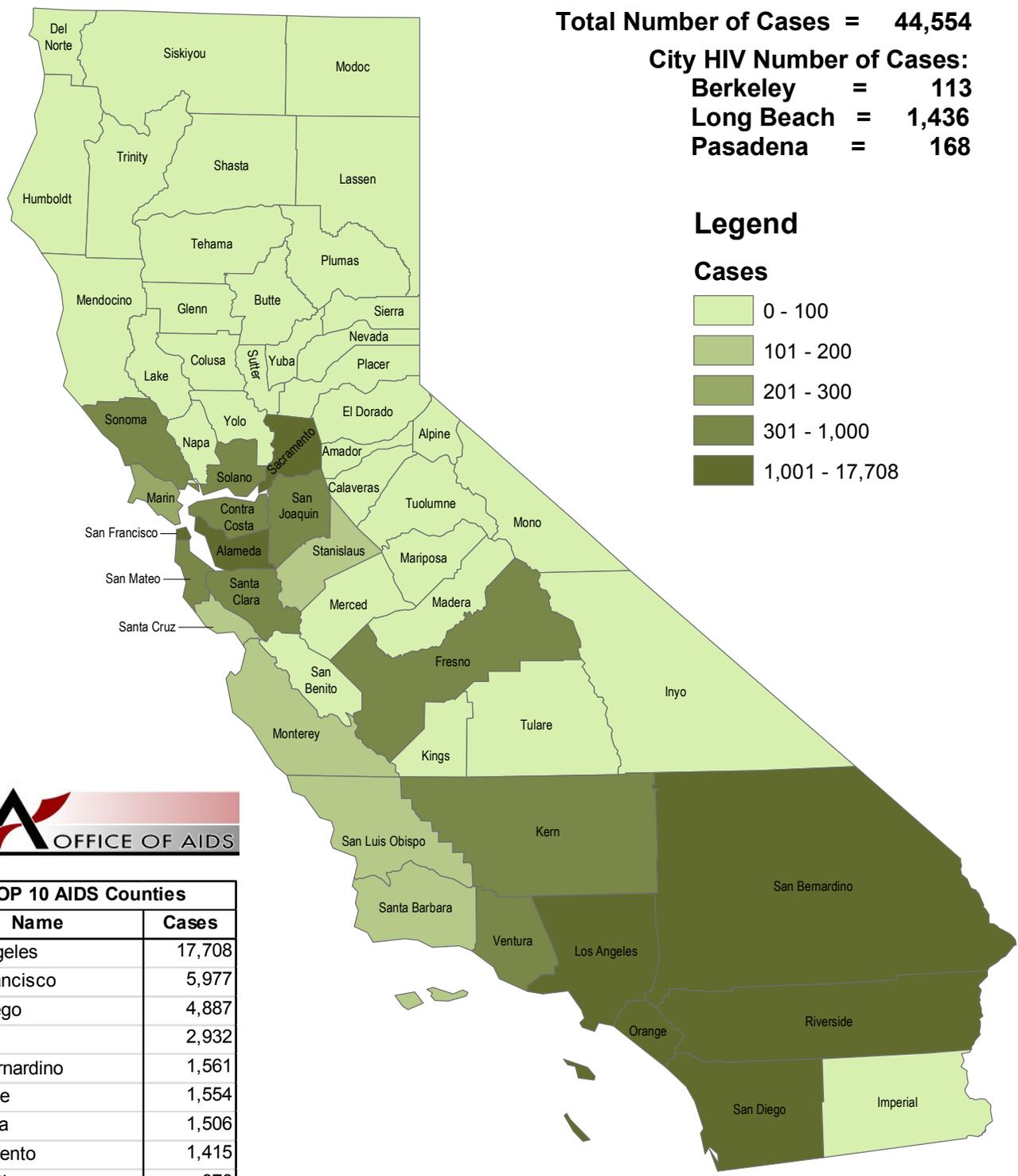
HIV reporting began in April 2006.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 31, 2011.

Cases diagnosed with AIDS but lacking residence at AIDS diagnosis are excluded.

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

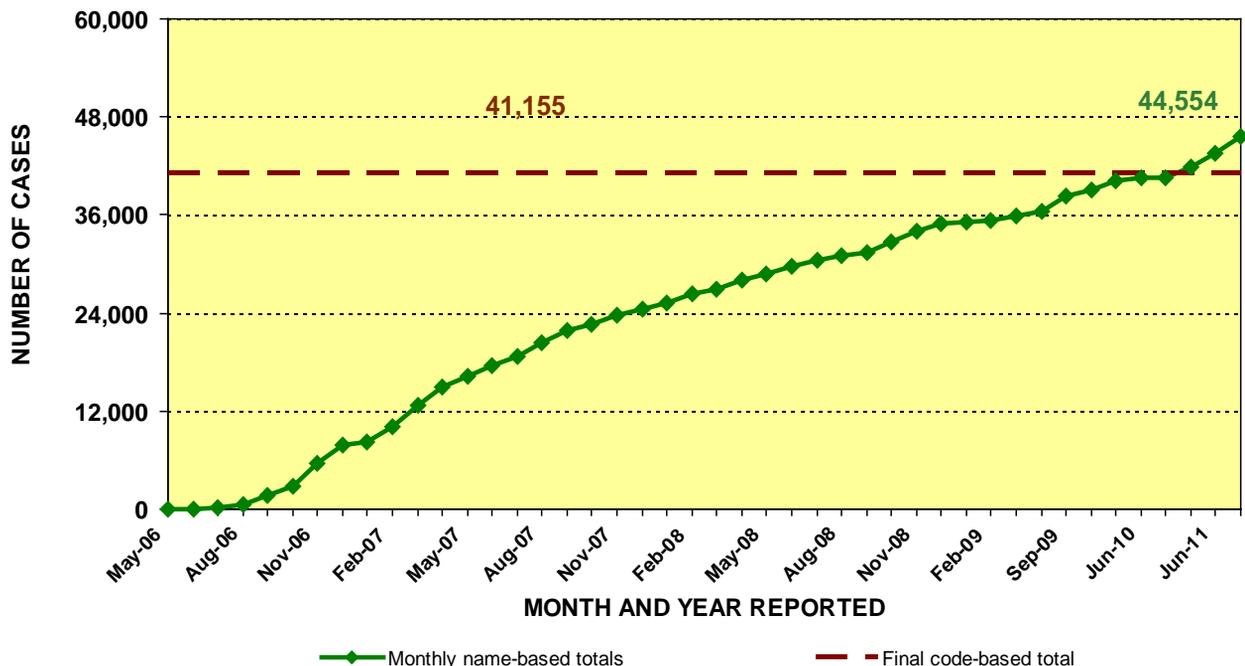
# HIV CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF DECEMBER 31, 2011 FIGURE 6.



HIV reporting began in April 2006.  
 Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 31, 2011.  
 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 31, 2011

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	1,506	1,713
Berkeley	113	123
Alpine	0	1
Amador	12	21
Butte	76	87
Calaveras	6	3
Colusa	1	3
Contra Costa	721	688
Del Norte	8	16
El Dorado	68	49
Fresno	550	692
Glenn	6	4
Humboldt	68	93
Imperial	73	61
Inyo	2	2
Kern	687	534
Kings	86	95
Lake	20	33
Lassen	12	8
Los Angeles	17,708	15,304
Long Beach	1,436	1,397
Pasadena	168	130
Madera	86	106
Marin	292	352
Mariposa	2	5
Mendocino	25	48
Merced	62	48
Modoc	1	0
Mono	0	0
Monterey	152	162
Napa	94	73
Nevada	11	11

COUNTY	NAME-BASED	CODE-BASED
Orange	2,932	2,155
Placer	47	51
Plumas	2	4
Riverside	1,554	1,691
Sacramento	1,415	814
San Benito	11	2
San Bernardino	1,561	1,271
San Diego	4,887	4,944
San Francisco	5,977	6,182
San Joaquin	517	411
San Luis Obispo	152	133
San Mateo	458	392
Santa Barbara	160	143
Santa Clara	878	1,017
Santa Cruz	144	152
Shasta	49	16
Sierra	1	0
Siskiyou	7	6
Solano	412	418
Sonoma	357	415
Stanislaus	155	214
Sutter	34	24
Tehama	11	4
Trinity	1	0
Tulare	85	79
Tuolumne	15	13
Ventura	322	313
Yolo	66	62
Yuba	9	14
Unknown	0	3
<b>TOTAL</b>	<b>44,554</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 December 31, 2011.

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