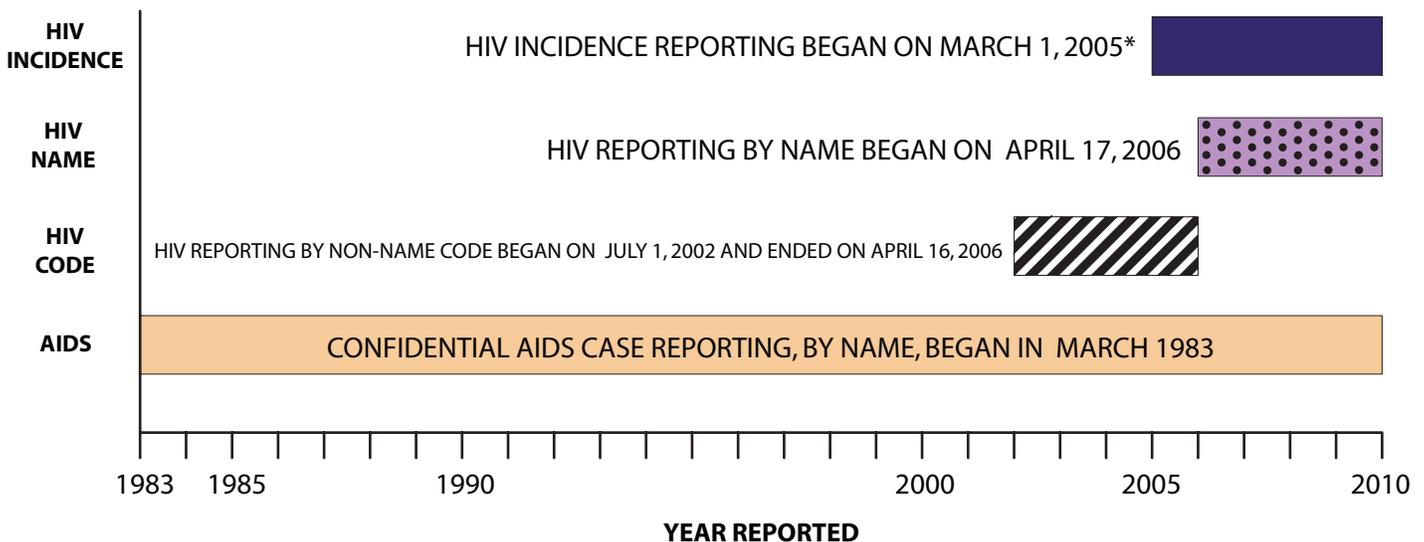


## HIV/AIDS SURVEILLANCE IN CALIFORNIA

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**



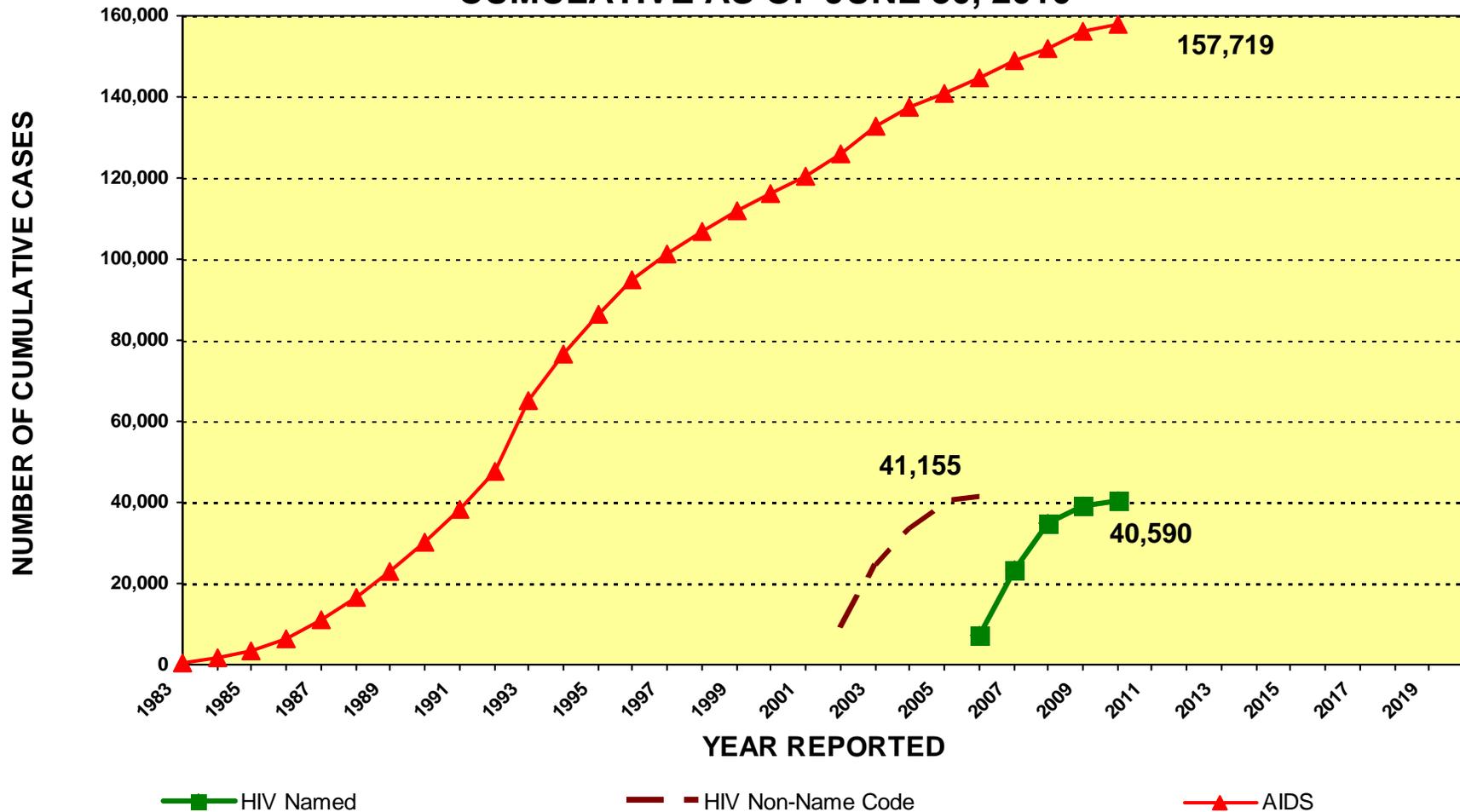
In California and the rest of the United States, HIV infections and AIDS diagnoses are reported through a combination of passive and active surveillance. Passive surveillance is conducted through state required reporting of HIV and AIDS cases by health care providers and reporting of HIV-positive test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

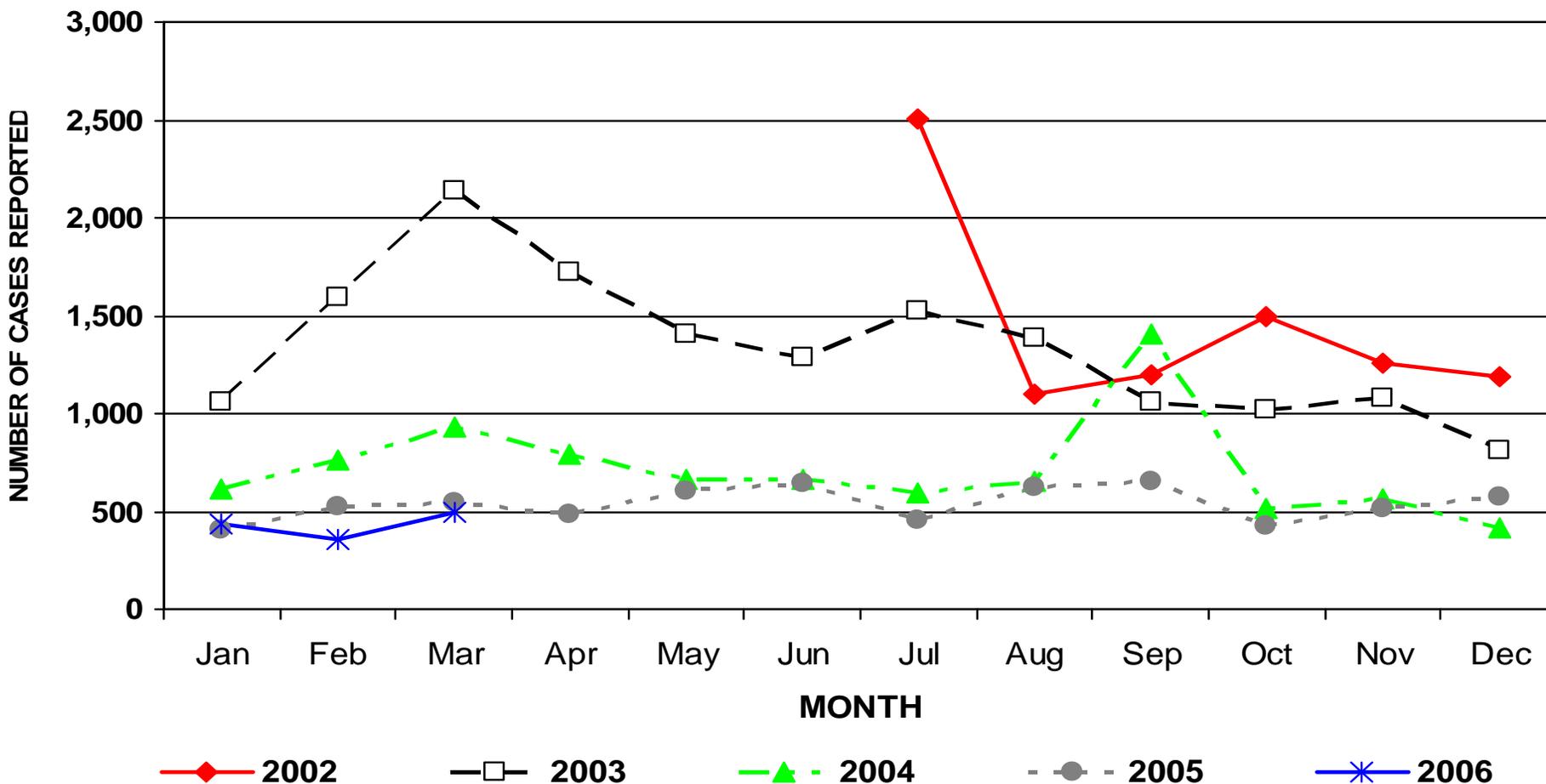
Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of JUNE 30, 2010.

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



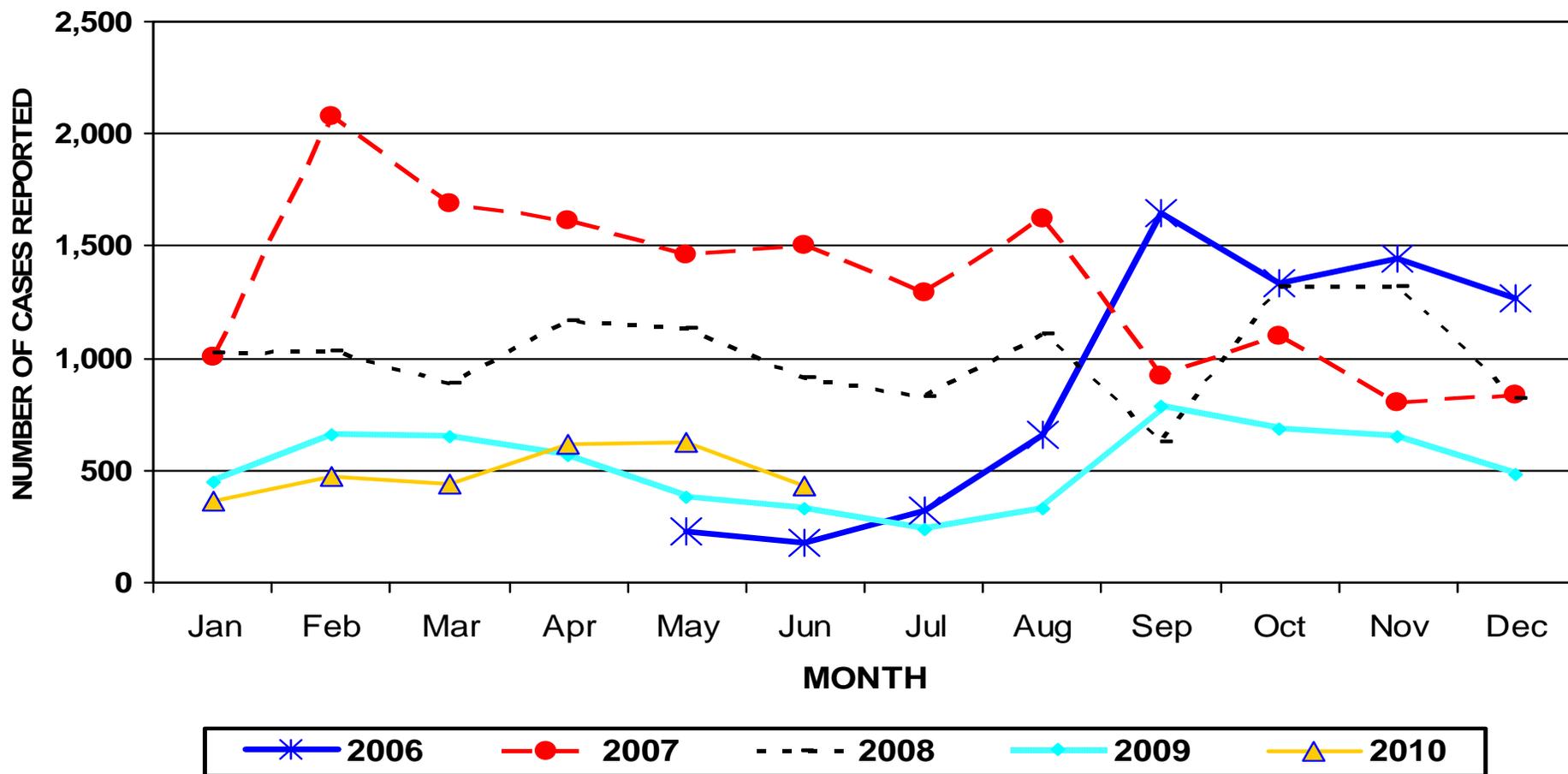
HIV case totals through March 2006 represent HIV cases reported by non-name code. Beginning April 2006, HIV case total are based on HIV cases reported by name. Due to reporting system differences, HIV cases reported by non-name code and name cannot be combined for unduplicated case counts.

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 JUNE 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 June 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 JUNE 30, 2010

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	1,401	1,385	16	1	8,018	3,688	4,330	54	Orange	2,767	2,594	173	6	7,682	3,760	3,922	51
Berkeley	106	106	0	0	666	262	404	61	Placer	35	34	1	3	188	95	93	49
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	1,378	1,356	22	2	5,882	3,381	2,501	43
Butte	73	66	7	10	275	131	144	52	Sacramento	1,249	1,234	15	1	3,835	1,799	2,036	53
Calaveras	6	6	0	0	20	9	11	55	San Benito	6	5	1	17	48	27	21	44
Colusa	1	1	0	0	13	1	12	92	San Bernardino	1,543	1,450	93	6	4,042	1,953	2,089	52
Contra Costa	628	605	23	4	2,961	1,220	1,741	59	San Diego	4,364	4,247	117	3	14,359	7,127	7,232	50
Del Norte	10	10	0	0	37	24	13	35	San Francisco	5,820	5,578	242	4	28,583	9,436	19,147	67
El Dorado	57	56	1	2	189	72	117	62	San Joaquin	443	441	2	0	1,288	682	606	47
Fresno	358	355	3	1	1,770	879	891	50	San Luis Obispo	135	135	0	0	610	323	287	47
Glenn	6	5	1	17	17	9	8	47	San Mateo	369	365	4	1	2,270	950	1,320	58
Humboldt	73	71	2	3	242	96	146	60	Santa Barbara	138	137	1	1	875	368	507	58
Imperial	61	60	1	2	230	138	92	40	Santa Clara	820	811	9	1	4,276	2,140	2,136	50
Inyo	2	2	0	0	17	8	9	53	Santa Cruz	141	139	2	1	631	279	352	56
Kern	592	582	10	2	1,904	1,242	662	35	Shasta	40	40	0	0	186	82	104	56
Kings	65	64	1	2	233	139	94	40	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	416	8	2	1,646	863	783	48
Los Angeles	15,957	15,453	504	3	56,589	24,890	31,699	56	Sonoma	334	323	11	3	2,086	919	1,167	56
Long Beach	1,381	1,349	32	2	6,027	3,145	2,882	48	Stanislaus	145	142	3	2	777	402	375	48
Pasadena	150	146	4	3	792	300	492	62	Sutter	25	25	0	0	76	27	49	64
Madera	68	68	0	0	167	98	69	41	Tehama	9	7	2	22	36	21	15	42
Marin	263	250	13	5	1,673	660	1,013	61	Trinity	2	2	0	0	12	4	8	67
Mariposa	2	2	0	0	15	7	8	53	Tulare	61	58	3	5	355	158	197	55
Mendocino	24	21	3	13	215	84	131	61	Tuolumne	14	14	0	0	71	31	40	56
Merced	51	50	1	2	215	97	118	55	Ventura	286	284	2	1	1,110	509	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	136	136	0	0	973	451	522	54	Unknown	5	5	0	0	11	9	2	18
Napa	94	91	3	3	250	101	149	60									
Nevada	9	9	0	0	132	57	75	57									
<b>TOTAL</b>									<b>40,590</b>	<b>39,286</b>	<b>1,304</b>	<b>3</b>	<b>157,719</b>	<b>69,728</b>	<b>87,991</b>	<b>56</b>	

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 06/30/2010.

Counts exclude cases diagnosed, but not yet reported as of June 30, 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 June 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 JUNE 30, 2010

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	33,793	86.0	34,875	85.9	61,255	87.8	142,702	90.5	95,048	87.2	177,577	89.5
Female	5,189	13.2	5,404	13.3	7,883	11.3	14,074	8.9	13,072	12.0	19,478	9.8
Transgender	300	0.8	307	0.8	590	0.8	943	0.6	890	0.8	1,250	0.6
Unknown	4	0.0	4	0.0	0	0.0	0	0.0	4	0.0	4	0.0
<b>RACE/ETHNICITY</b>												
White	18,292	46.6	18,971	46.7	31,924	45.8	85,516	54.2	50,216	46.1	104,487	52.7
Black	7,371	18.8	7,673	18.9	13,054	18.7	27,990	17.7	20,425	18.7	35,663	18.0
Hispanic	11,581	29.5	11,841	29.2	21,675	31.1	38,493	24.4	33,256	30.5	50,334	25.4
Asian/Pacific Islander	1,472	3.7	1,503	3.7	2,370	3.4	3,974	2.5	3,842	3.5	5,477	2.8
American Indian/Alaskan Native	181	0.5	187	0.5	315	0.5	655	0.4	496	0.5	842	0.4
Multi-race	279	0.7	304	0.7	325	0.5	984	0.6	604	0.6	1,288	0.6
Unknown/Other	110	0.3	111	0.3	65	0.1	107	0.1	175	0.2	218	0.1
<b>EXPOSURE CATEGORY</b>												
MSM/Bisexual Male	26,298	66.9	26,833	66.1	44,361	63.6	105,232	66.7	70,659	64.8	132,065	66.6
Injection Drug Use	2,570	6.5	2,835	7.0	6,714	9.6	15,871	10.1	9,284	8.5	18,706	9.4
MSM/Bisexual Male & IDU	2,476	6.3	2,588	6.4	6,162	8.8	14,992	9.5	8,638	7.9	17,580	8.9
Hemophiliac/Transfusion*	86	0.2	102	0.3	444	0.6	2,214	1.4	530	0.5	2,316	1.2
Heterosexual Contact	3,539	9.0	3,621	8.9	6,573	9.4	10,046	6.4	10,112	9.3	13,667	6.9
Other/Unknown*	4,022	10.2	4,308	10.6	5,162	7.4	8,764	5.6	9,184	8.4	13,072	6.6
Perinatal Exposure	295	0.8	303	0.7	312	0.4	600	0.4	607	0.6	903	0.5
<b>AGE GROUP**</b>												
Under 13 years of age	338	0.9	348	0.9	277	0.4	680	0.4	615	0.6	1,028	0.5
13 to 19 years of age	1,018	2.6	1,024	2.5	497	0.7	711	0.5	1,515	1.4	1,735	0.9
20 to 29 years of age	11,277	28.7	11,454	28.2	11,286	16.2	23,944	15.2	22,563	20.7	35,398	17.8
30 to 39 years of age	14,224	36.2	14,603	36.0	29,441	42.2	66,703	42.3	43,665	40.1	81,306	41.0
40 to 49 years of age	8,987	22.9	9,381	23.1	20,237	29.0	44,893	28.5	29,224	26.8	54,274	27.4
Over 49 years of age	3,442	8.8	3,780	9.3	7,990	11.5	20,788	13.2	11,432	10.5	24,568	12.4
<b>TOTAL</b>	<b>39,286</b>	<b>100.0</b>	<b>40,590</b>	<b>100.0</b>	<b>69,728</b>	<b>100.0</b>	<b>157,719</b>	<b>100.0</b>	<b>109,014</b>	<b>100.0</b>	<b>198,309</b>	<b>100.0</b>

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 06/30/2010.

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 base upon age of diagnosis.

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

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	14,055	3,623	7,723	1,432	26,833	64,687	12,864	24,007	3,674	105,232	78,742	16,487	31,730	5,106	132,065
IDU	1,230	898	612	95	2,835	5,771	6,145	3,564	391	15,871	7,001	7,043	4,176	486	18,706
MSM/Bi & IDU	1,504	429	537	118	2,588	8,982	2,815	2,708	487	14,992	10,486	3,244	3,245	605	17,580
Heterosexual Contact	994	1,223	1,214	190	3,621	2,742	3,271	3,513	520	10,046	3,736	4,494	4,727	710	13,667
Other	1,188	1,500	1,755	270	4,713	3,334	2,895	4,701	648	11,578	4,522	4,395	6,456	918	16,291
<b>TOTAL</b>	18,971	7,673	11,841	2,105	40,590	85,516	27,990	38,493	5,720	157,719	104,487	35,663	50,334	7,825	198,309

AIDS reporting began in March 1983. HIV reporting began in April 2006. Statistics calculated using reports through 06/30/2010.

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

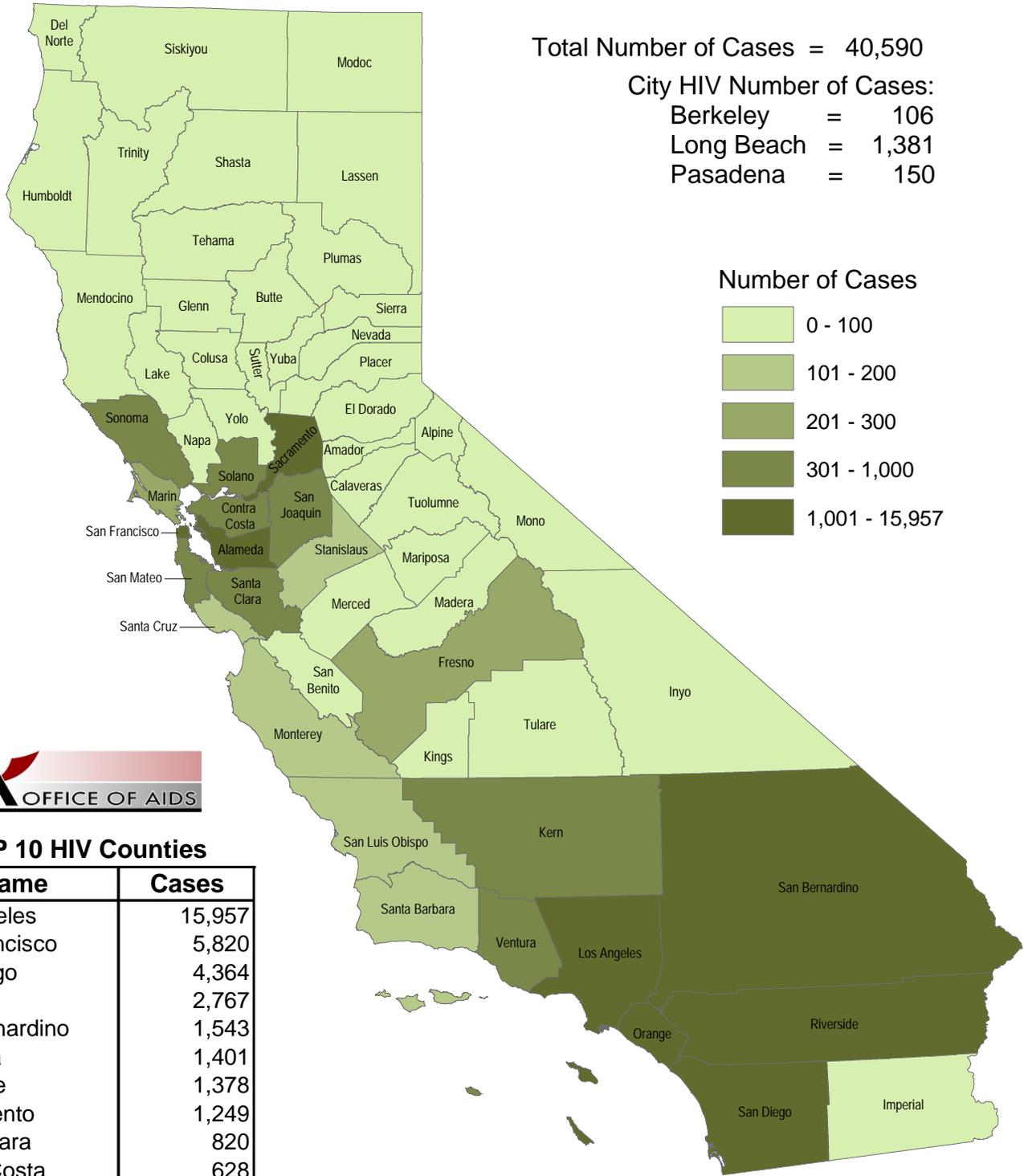
Other Race/Ethnicity includes Asian/Pacific Islander, American Indian/Alaskan Native, Multi-Race and those with unknown or missing race/ethnicity.

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 June 30, 2010.

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

# HIV CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF JUNE 30, 2010 FIGURE 5.



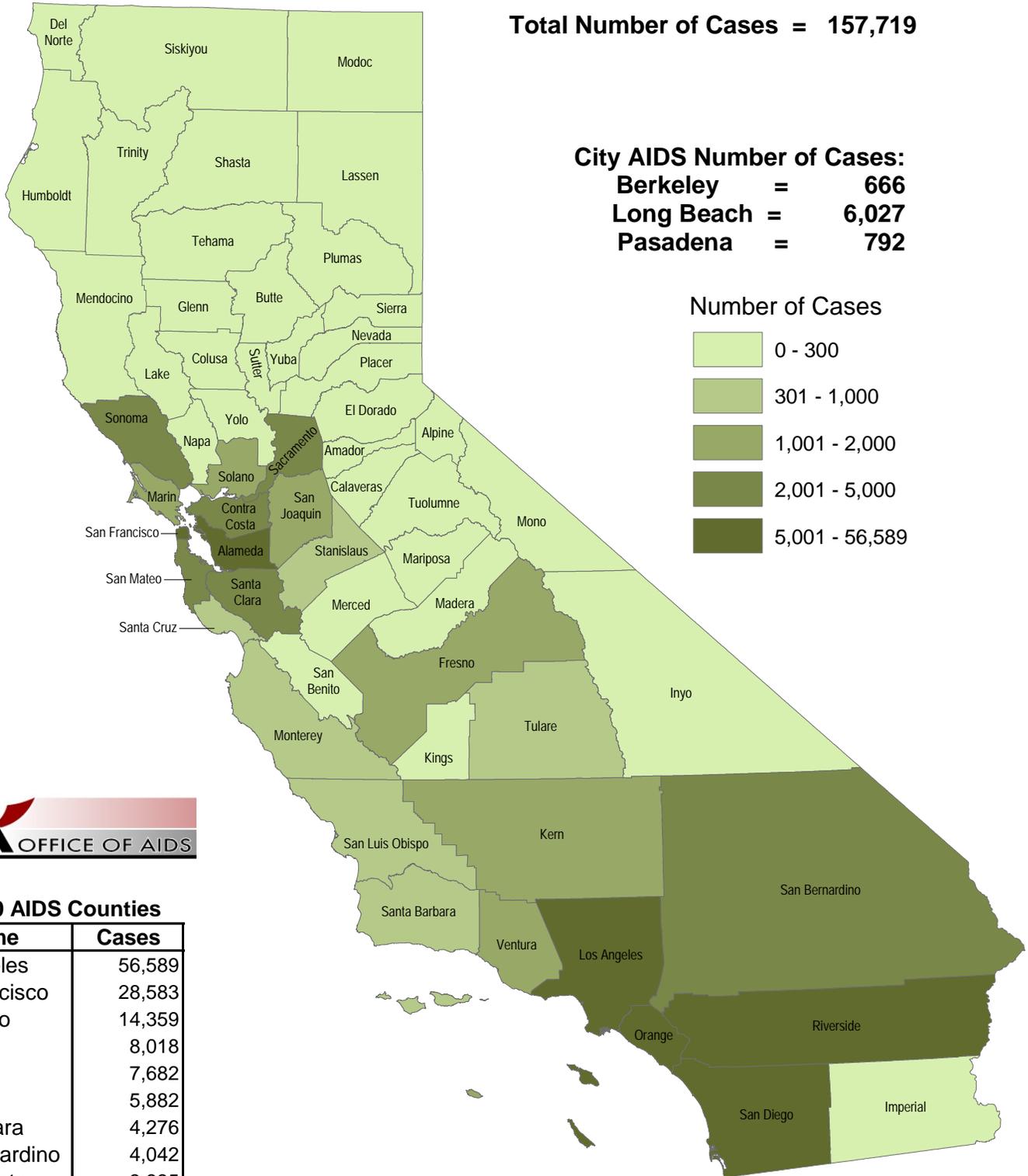
### TOP 10 HIV Counties

Name	Cases
Los Angeles	15,957
San Francisco	5,820
San Diego	4,364
Orange	2,767
San Bernardino	1,543
Alameda	1,401
Riverside	1,378
Sacramento	1,249
Santa Clara	820
Contra Costa	628

HIV reporting began in April 2006.

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

# AIDS CASES IN CALIFORNIA QUARTERLY REPORT CUMULATIVE AS OF JUNE 30, 2010 FIGURE 6.



### TOP 10 AIDS Counties

Name	Cases
Los Angeles	56,589
San Francisco	28,583
San Diego	14,359
Alameda	8,018
Orange	7,682
Riverside	5,882
Santa Clara	4,276
San Bernardino	4,042
Sacramento	3,835
Contra Costa	2,961

AIDS reporting began in March 1983.

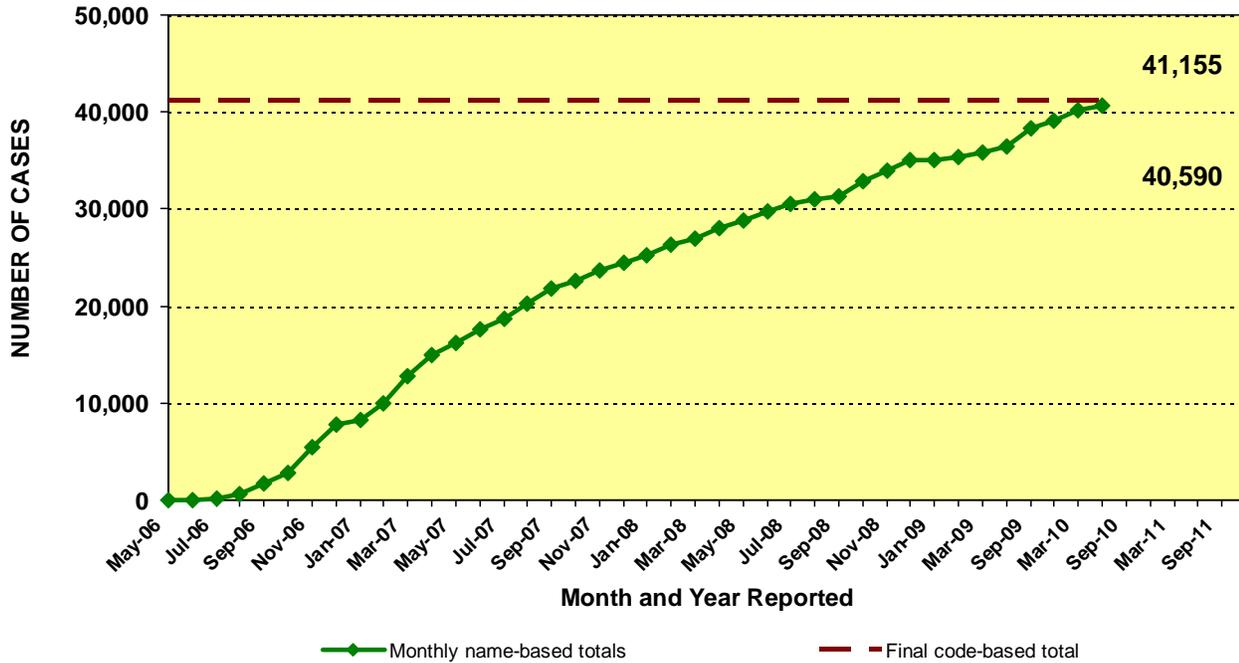
This map excludes HIV cases that seroconverted to AIDS- such cases only on AIDS map.

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

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	1,401	1,713
Berkeley	106	123
Alpine	0	1
Amador	10	21
Butte	73	87
Calaveras	6	3
Colusa	1	3
Contra Costa	628	688
Del Norte	10	16
El Dorado	57	49
Fresno	358	692
Glenn	6	4
Humboldt	73	93
Imperial	61	61
Inyo	2	2
Kern	592	534
Kings	65	95
Lake	18	33
Lassen	10	8
Los Angeles	15,957	15,304
Long Beach	1,381	1,397
Pasadena	150	130
Madera	68	106
Marin	263	352
Mariposa	2	5
Mendocino	24	48
Merced	51	48
Modoc	0	0
Mono	0	0
Monterey	136	162
Napa	94	73
Nevada	9	11

COUNTY	NAME-BASED	CODE-BASED
Orange	2,767	2,155
Placer	35	51
Plumas	1	4
Riverside	1,378	1,691
Sacramento	1,249	814
San Benito	6	2
San Bernardino	1,543	1,271
San Diego	4,364	4,944
San Francisco	5,820	6,182
San Joaquin	443	411
San Luis Obispo	135	133
San Mateo	369	392
Santa Barbara	138	143
Santa Clara	820	1,017
Santa Cruz	141	152
Shasta	40	16
Sierra	1	0
Siskiyou	8	6
Solano	424	418
Sonoma	334	415
Stanislaus	145	214
Sutter	25	24
Tehama	9	4
Trinity	2	0
Tulare	61	79
Tuolumne	14	13
Ventura	286	313
Yolo	48	62
Yuba	4	14
Unknown	5	3
<b>TOTAL</b>	<b>40,590</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, 2010.  
 For more information, call the HIV/AIDS Surveillance Section at (916) 449-5866.