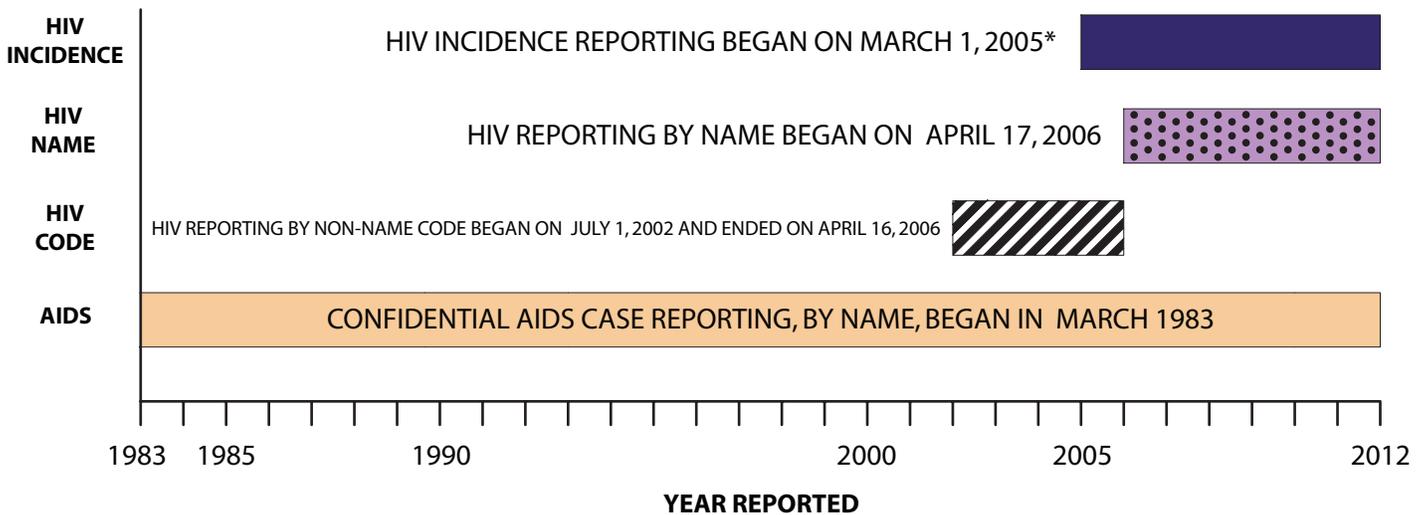


## HIV/AIDS SURVEILLANCE IN CALIFORNIA

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.

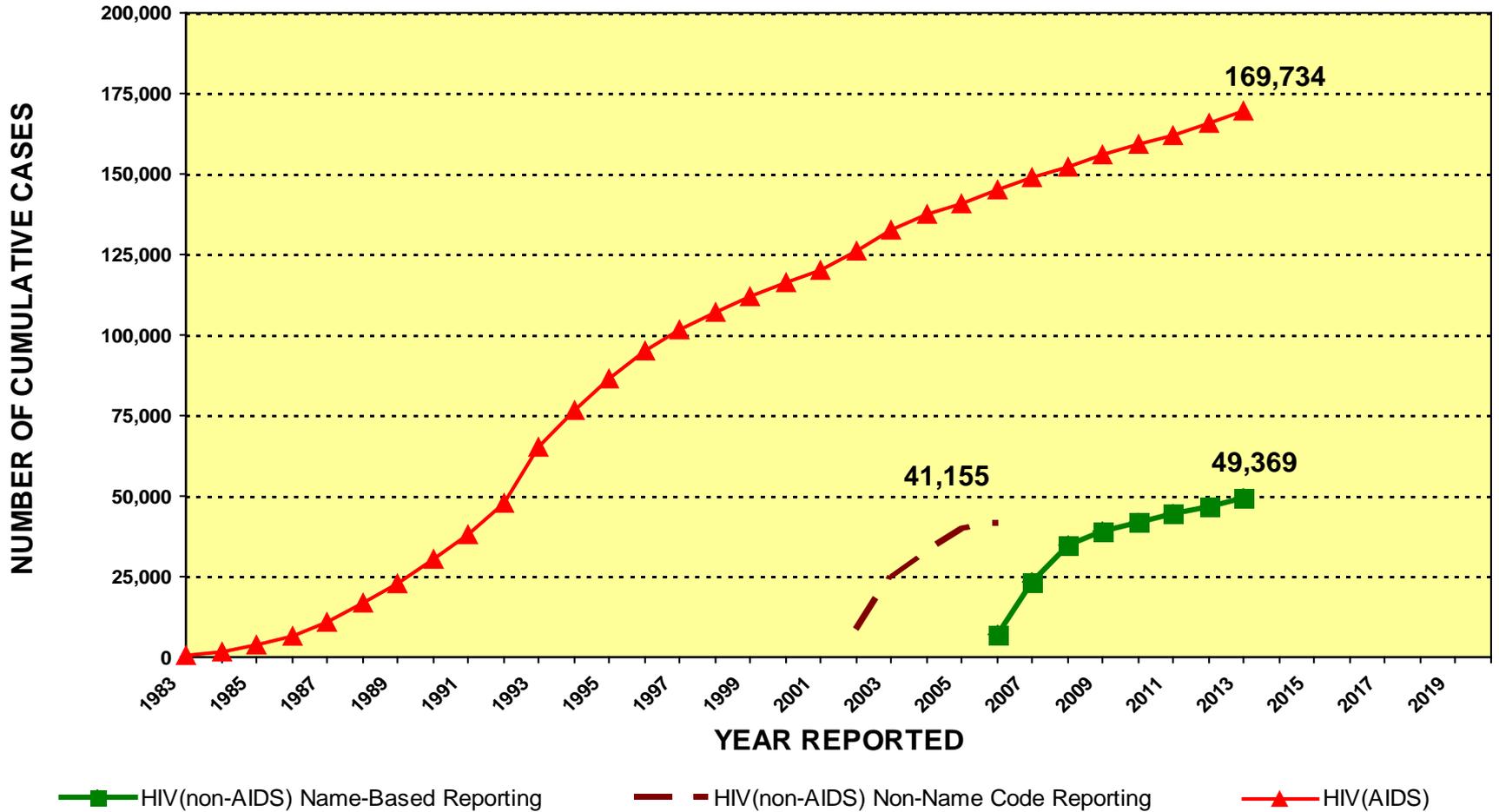
In California and the rest of the United States, HIV infections and AIDS diagnoses are reported through a combination of passive and active surveillance. Passive surveillance is conducted through state required reporting of HIV and AIDS cases by health care providers and reporting of HIV-positive test 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 CASES CUMULATIVE AS OF DECEMBER 31, 2013



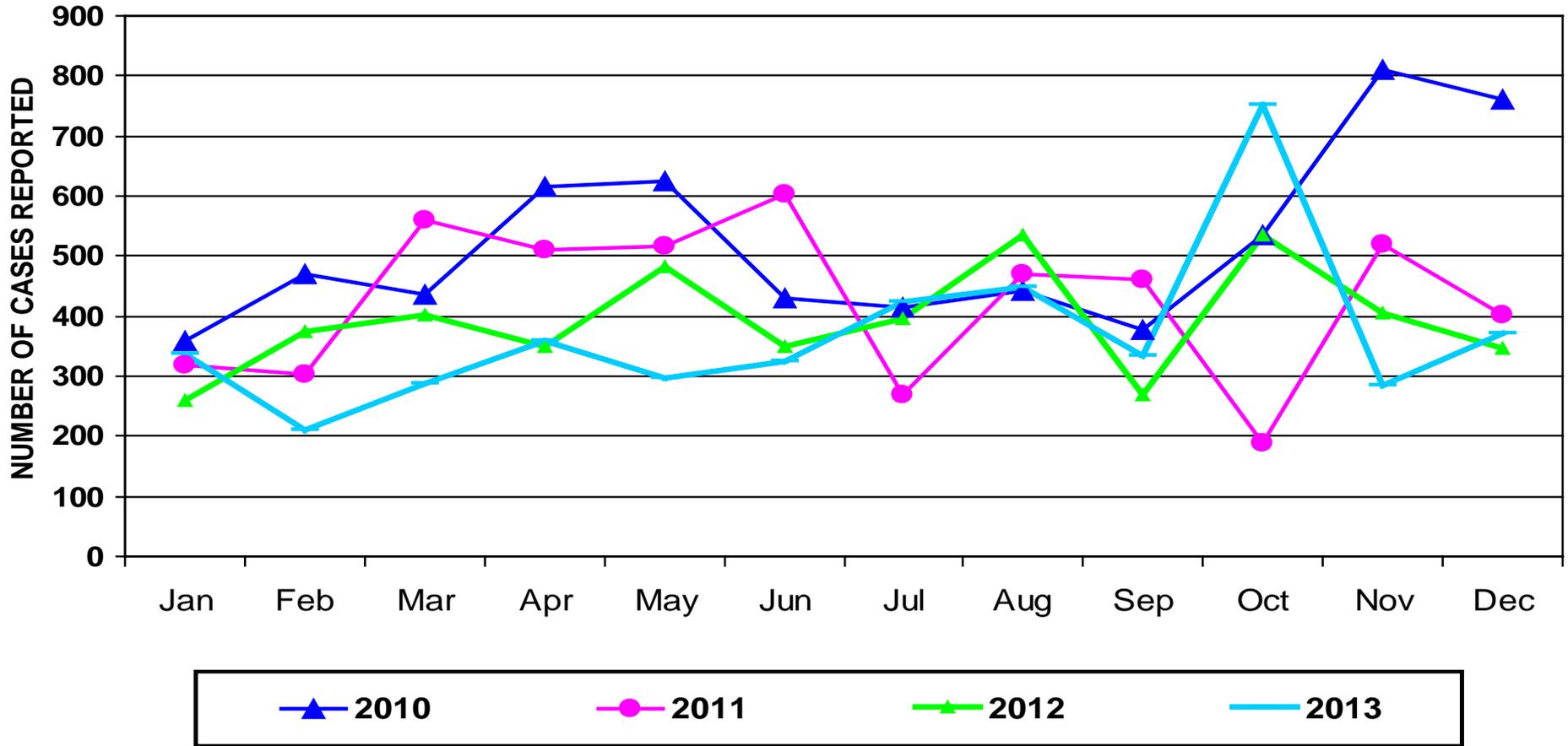
HIV(AIDS) reporting began in March 1983. HIV(non-AIDS) case totals through March 2006 represent cases reported by non-name code. Beginning April 2006, the HIV(non-AIDS) case total is based on cases reported by name. Due to reporting system differences, HIV(non-AIDS) cases reported by non-name code and name cannot be combined for unduplicated case counts. Statistics reported above may vary from previous reports due to ongoing data cleaning efforts.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 23, 2014.  
For more information, call the HIV/AIDS Surveillance Section at (916) 449-5835.



FIGURE 3.

# CALIFORNIA NEW HIV INFECTION CASES BY MONTH AND YEAR REPORTED JANUARY 1, 2010 THROUGH DECEMBER 31, 2013



Counts include all reports of previously unknown HIV infections first diagnosed in California, regardless of the stage of HIV disease at initial diagnosis.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 23, 2014. For more information, call the HIV/AIDS Surveillance Section at (916) 449-5835.



# CALIFORNIA HIV/AIDS CASES BY COUNTY CUMULATIVE AS OF DECEMBER 31, 2013

TABLE 1.

COUNTY	HIV(NON-AIDS)				HIV(AIDS)				COUNTY	HIV(NON-AIDS)				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	1,817	1,738	79	4	8,593	3,852	4,741	55	Orange	3,125	2,894	231	7	8,278	3,989	4,289	52
<i>Berkeley</i>	138	134	4	3	702	268	434	62	Placer	73	71	2	3	209	101	108	52
Alpine	0	0	0	0	0	0	0	0	Plumas	2	2	0	0	12	4	8	67
Amador	12	11	1	8	56	27	29	52	Riverside	1,847	1,742	105	6	6,368	3,335	3,033	48
Butte	84	72	12	14	284	118	166	58	Sacramento	1,581	1,493	88	6	4,223	1,929	2,294	54
Calaveras	9	9	0	0	23	12	11	48	San Benito	14	13	1	7	48	22	26	54
Colusa	3	2	1	33	15	3	12	80	San Bernardino	1,586	1,464	122	8	4,431	2,053	2,378	54
Contra Costa	770	709	61	8	3,183	1,303	1,880	59	San Diego	5,526	5,312	214	4	15,366	7,451	7,915	52
Del Norte	8	7	1	13	40	24	16	40	San Francisco	6,153	5,670	483	8	29,614	9,507	20,107	68
El Dorado	70	68	2	3	206	74	132	64	San Joaquin	561	529	32	6	1,421	692	729	51
Fresno	662	619	43	6	2,074	1,018	1,056	51	San Luis Obispo	160	151	9	6	631	309	322	51
Glenn	6	5	1	17	18	7	11	61	San Mateo	521	502	19	4	2,378	936	1,442	61
Humboldt	62	57	5	8	251	85	166	66	Santa Barbara	190	182	8	4	918	371	547	60
Imperial	85	81	4	5	267	159	108	40	Santa Clara	1,084	1,043	41	4	4,631	2,258	2,373	51
Inyo	2	2	0	0	18	9	9	50	Santa Cruz	168	160	8	5	662	275	387	58
Kern	707	668	39	6	2,049	1,208	841	41	Shasta	52	49	3	6	196	73	123	63
Kings	92	85	7	8	246	136	110	45	Sierra	1	1	0	0	4	0	4	100
Lake	19	18	1	5	160	62	98	61	Siskiyou	7	5	2	29	54	26	28	52
Lassen	12	11	1	8	61	28	33	54	Solano	413	391	22	5	1,708	805	903	53
Los Angeles	19,891	18,860	1,031	5	62,051	27,252	34,799	56	Sonoma	401	387	14	3	2,153	896	1,257	58
<i>Long Beach</i>	1,579	1,503	76	5	6,310	3,077	3,216	51	Stanislaus	178	172	6	3	842	389	453	54
<i>Pasadena</i>	209	195	14	7	849	308	537	63	Sutter	37	36	1	3	84	32	52	62
Madera	78	71	7	9	190	97	93	49	Tehama	14	11	3	21	38	22	16	42
Marin	290	266	24	8	1,698	619	1,079	64	Trinity	2	2	0	0	14	5	9	64
Mariposa	2	2	0	0	20	10	10	50	Tulare	118	109	9	8	412	184	228	55
Mendocino	29	25	4	14	219	77	142	65	Tuolumne	17	16	1	6	75	28	47	63
Merced	79	76	3	4	242	104	138	57	Ventura	350	341	9	3	1,215	538	677	56
Modoc	1	1	0	0	3	0	3	100	Yolo	81	77	4	5	252	116	136	54
Mono	0	0	0	0	7	4	3	43	Yuba	15	12	3	20	72	28	44	61
Monterey	190	184	6	3	1,035	461	574	55	Unknown	0	0	0	0	0	0	0	0
Napa	93	85	8	9	276	110	166	60									
Nevada	19	18	1	5	140	58	82	59									
<b>TOTAL</b>	<b>49,369</b>	<b>46,587</b>	<b>2,782</b>	<b>6</b>	<b>169,734</b>	<b>73,291</b>	<b>96,443</b>	<b>57</b>									

HIV(AIDS) reporting began in March 1983. HIV(non-AIDS) reporting by name began in April 2006. Percentages may not add to 100% due to rounding.

Counts include cases for which the first report was in California.

Excluded are cases diagnosed, but not yet reported as of December 23, 2014, which may understate the numbers of diagnoses and deaths in the most recent years.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 23, 2014.

For more information, call the HIV/AIDS Surveillance Section at (916) 449-5835.





# CALIFORNIA HIV/AIDS CASES BY DEMOGRAPHICS CUMULATIVE AS OF DECEMBER 31, 2013

TABLE 2.

DEMOGRAPHIC	HIV(NON-AIDS) CASES				HIV(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	40,425	86.8	42,725	86.5	64,371	87.8	153,107	90.2	104,796	87.4	195,832	89.4
Female	5,805	12.5	6,264	12.7	8,266	11.3	15,543	9.2	14,071	11.7	21,807	10.0
Transgender	357	0.8	380	0.8	654	0.9	1,084	0.6	1,011	0.8	1,464	0.7
<b>RACE/ETHNICITY</b>												
White	20,284	43.5	21,632	43.8	31,367	42.8	88,367	52.1	51,651	43.1	109,999	50.2
Black	8,220	17.6	8,892	18.0	13,055	17.8	29,954	17.6	21,275	17.7	38,846	17.7
Hispanic	15,101	32.4	15,628	31.7	24,914	34.0	43,856	25.8	40,015	33.4	59,484	27.1
AI/AN	194	0.4	200	0.4	269	0.4	630	0.4	463	0.4	830	0.4
Asian	1,874	4.2	1,915	4.1	2,538	3.5	4,211	2.6	4,412	3.8	6,126	3.0
NH/PI <sup>a</sup>	141	0.3	143	0.3	157	0.2	217	0.1	298	0.2	360	0.2
Multi-race	773	1.7	959	1.9	978	1.3	2,462	1.5	1,751	1.5	3,421	1.6
Unknown/Other	0	0.0	0	0.0	13	0.0	37	0.0	13	0.0	37	0.0
<b>RISK EXPOSURE</b>												
MSM	32,208	69.1	33,435	67.7	47,147	64.3	112,602	66.3	79,355	66.2	146,037	66.7
IDU	2,258	4.8	2,817	5.7	5,945	8.1	16,421	9.7	8,203	6.8	19,238	8.8
MSM/IDU	2,675	5.7	2,961	6.0	6,431	8.8	16,369	9.6	9,106	7.6	19,330	8.8
Hemophiliac/Transfusion <sup>b</sup>	58	0.1	76	0.2	382	0.5	2,207	1.3	440	0.4	2,283	1.0
HRH	3,977	8.5	4,170	8.4	6,916	9.4	11,067	6.5	10,893	9.1	15,237	7.0
Other/Unknown <sup>b</sup>	5,181	11.1	5,674	11.5	6,047	8.3	10,330	6.1	11,228	9.4	16,004	7.3
Perinatal exposure	230	0.5	236	0.5	423	0.6	738	0.4	653	0.5	974	0.4
<b>AGE (YEARS)<sup>c</sup></b>												
0–12	265	0.6	275	0.6	408	0.6	861	0.5	673	0.6	1,136	0.5
13–19	1428	3.1	1452	2.9	555	0.8	778	0.5	1,983	1.7	2,230	1.0
20–29	14502	31.1	14877	30.1	12628	17.2	26181	15.4	27,130	22.6	41,058	18.7
30–39	15953	34.2	16689	33.8	29640	40.4	69705	41.1	45,593	38.0	86,394	39.4
40–49	10211	21.9	11060	22.4	21157	28.9	48492	28.6	31,368	26.2	59,552	27.2
≥50	4228	9.1	5016	10.2	8903	12.1	23717	14.0	13,131	11.0	28,733	13.1
<b>TOTAL</b>	<b>46,587</b>	<b>100.0</b>	<b>49,369</b>	<b>100.0</b>	<b>73,291</b>	<b>100.0</b>	<b>169,734</b>	<b>100.0</b>	<b>119,878</b>	<b>100.0</b>	<b>219,103</b>	<b>100.0</b>

HIV(AIDS) reporting began in March 1983. HIV(non-AIDS) reporting began by name in April 2006. Percentages may not add to 100% due to rounding.

AI/AN = American Indian/Alaska Native. NH/PI = Native Hawaiian/Pacific Islander. MSM = Men who have sex with men. IDU = Injection drug use. HRH = High-risk heterosexual contact.

<sup>a</sup>Race/ethnicity was collected using Asian/NH/PI as a single category until 2003; therefore cases reported prior to 2003 are classified as Asian above because they cannot be disaggregated.

<sup>b</sup>Includes cases where infection/diagnosis occurred when younger than 13 years of age. <sup>c</sup>Based upon age at diagnosis.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 23, 2014.

For more information, call the HIV/AIDS Surveillance Section at (916) 449-5835.



# CALIFORNIA HIV/AIDS CASES BY RISK EXPOSURE GROUP AND RACE/ETHNICITY CUMULATIVE AS OF DECEMBER 31, 2013

TABLE 3.

RISK EXPOSURE	HIV(NON-AIDS) CASES					HIV(AIDS) CASES					TOTAL HIV/AIDS CASES				
	WHITE	BLACK	HISPANIC	OTHER <sup>a</sup>	TOTAL	WHITE	BLACK	HISPANIC	OTHER <sup>a</sup>	TOTAL	WHITE	BLACK	HISPANIC	OTHER <sup>a</sup>	TOTAL
MSM	16,157	4,443	10,603	2,232	33,435	66,545	13,855	27,425	4,777	112,602	82,702	18,298	38,028	7,009	146,037
IDU	1,173	847	646	151	2,817	5,847	6,231	3,783	560	16,421	7,020	7,078	4,429	711	19,238
MSM/IDU	1,676	428	676	181	2,961	9,469	3,008	3,167	725	16,369	11,145	3,436	3,843	906	19,330
HRH	1,107	1,323	1,466	274	4,170	2,898	3,569	3,935	665	11,067	4,005	4,892	5,401	939	15,237
Other <sup>b</sup> /Unknown <sup>c</sup>	1,519	1,851	2,237	379	5,986	3,608	3,291	5,546	830	13,275	5,127	5,142	7,783	1,209	19,261
<b>TOTAL</b>	21,632	8,892	15,628	3,217	49,369	88,367	29,954	43,856	7,557	169,734	109,999	38,846	59,484	10,774	219,103

HIV(AIDS) reporting began in March 1983. HIV(Non-AIDS) reporting by name began in April 2006.

MSM = Men who have sex with men. IDU = Injection drug use. HRH = High-risk heterosexual contact.

<sup>a</sup>Other race/ethnicity includes Asian/Native Hawaiian/Pacific Islander, American Indian/Alaska Native, Multi-Race, and those with unknown race/ethnicity.

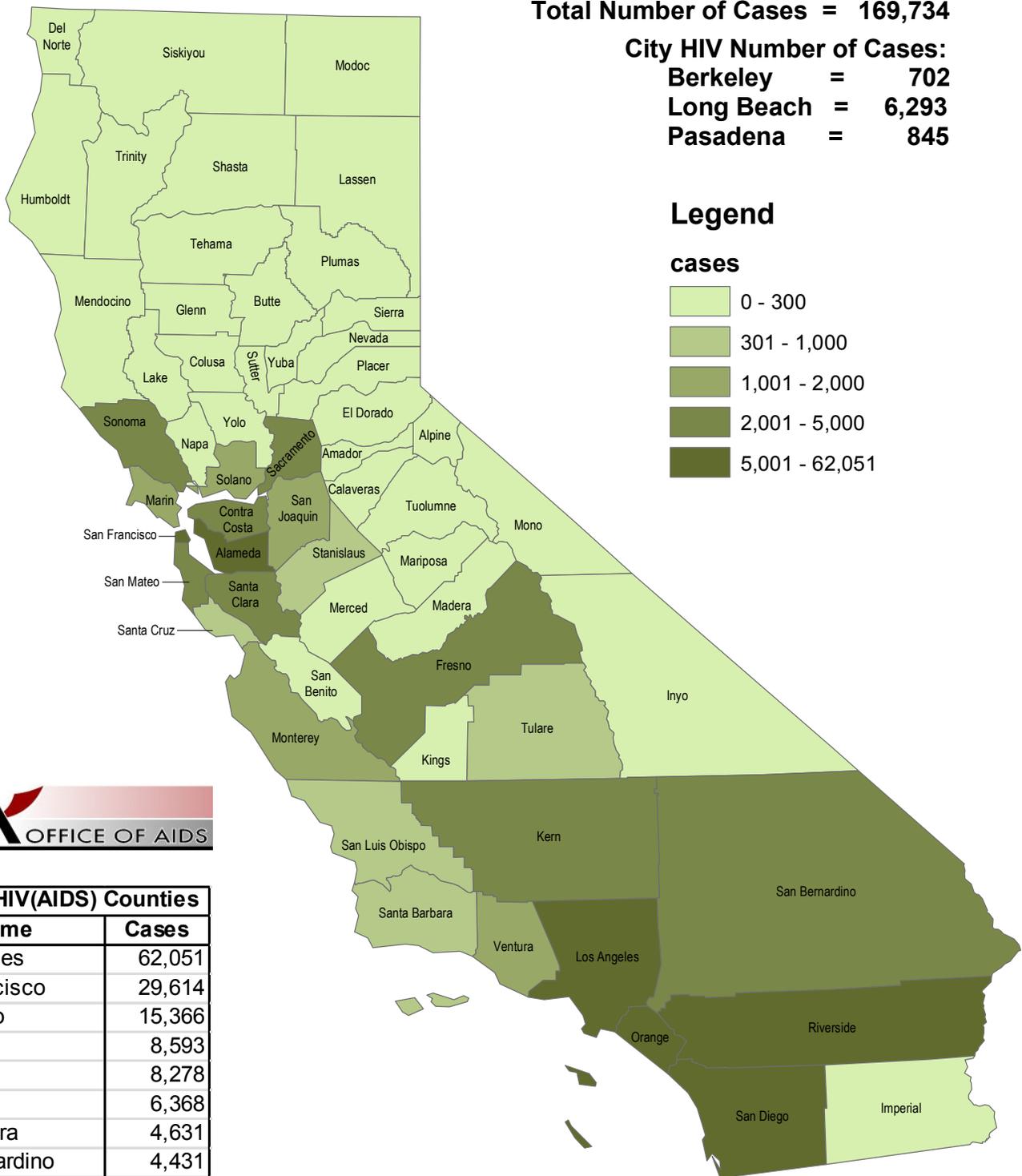
<sup>b</sup>Includes perinatal, blood, and other transmission routes for HIV. <sup>c</sup>Includes cases for whom no risk exposure was identified/reported.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 23, 2014.

For more information, call the HIV/AIDS Surveillance Section at (916) 449-5835.

# HIV(AIDS) CASES IN CALIFORNIA CUMULATIVE AS OF DECEMBER 31, 2013

## Figure 4.



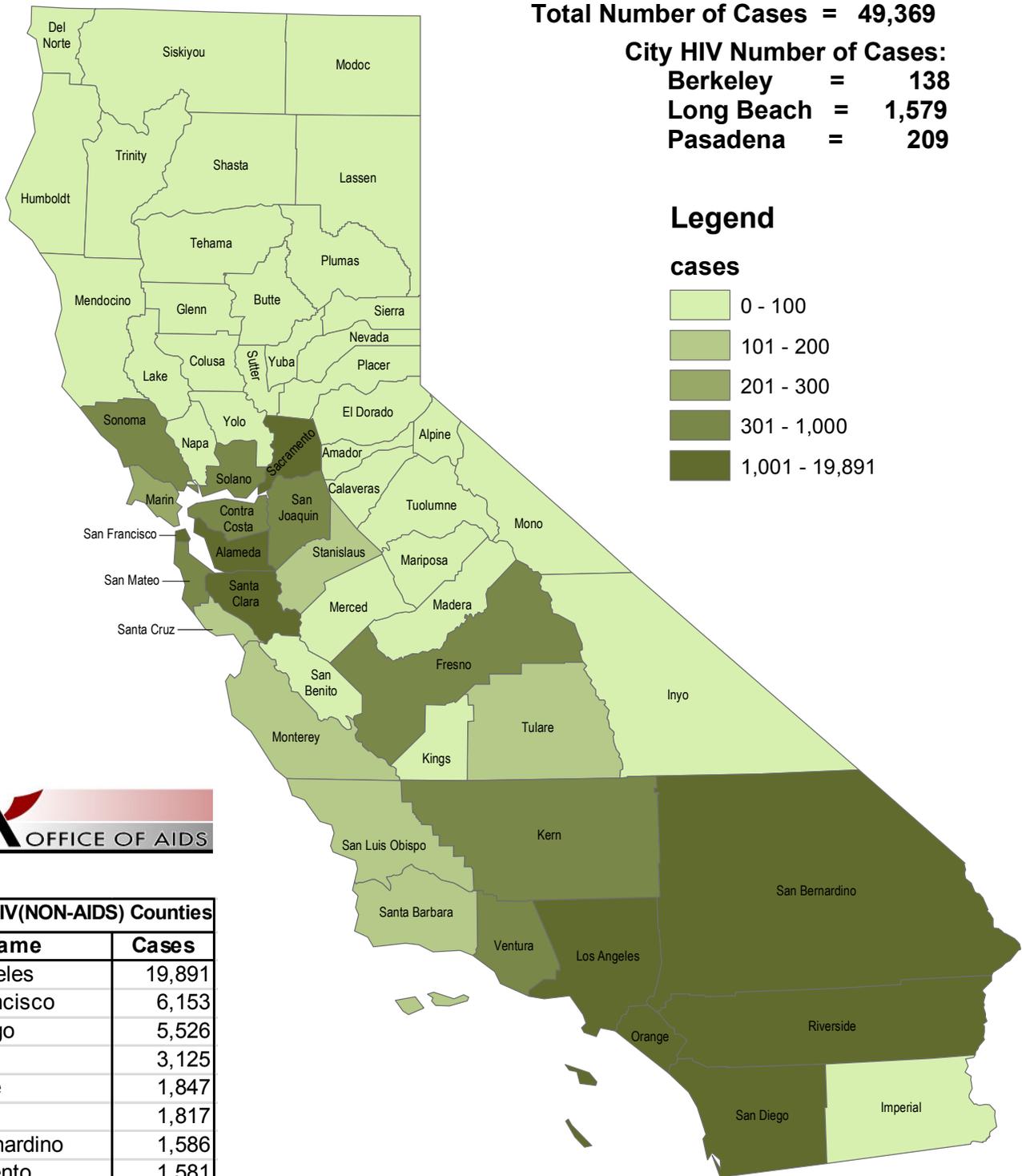
TOP 10 HIV(AIDS) Counties	
Name	Cases
Los Angeles	62,051
San Francisco	29,614
San Diego	15,366
Alameda	8,593
Orange	8,278
Riverside	6,368
Santa Clara	4,631
San Bernardino	4,431
Sacramento	4,223
Contra Costa	3,183

HIV(AIDS) reporting by name began in March 1983.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 23, 2014.  
 For more information, call the HIV/AIDS Surveillance Section at (916) 449-5835.

# HIV (NON-AIDS) CASES IN CALIFORNIA CUMULATIVE AS OF DECEMBER 31, 2013

## Figure 5.



HIV(non-AIDS) reporting by name began in April 2006.

Source: California Department of Public Health, Office of AIDS, HIV/AIDS Surveillance Section, data as of December 23, 2014.  
 For more information, call the HIV/AIDS Surveillance Section at (916) 449-5835.