



# California HIV Surveillance Report — 2015

The California HIV Surveillance Report is published annually by the California Department of Public Health, Center for Infectious Diseases, Office of AIDS, Sacramento, California.

Released on October 18, 2017

## Background

The California Department of Public Health (CDPH) Office of AIDS (OA) works with local health jurisdictions to collect, analyze, and disseminate surveillance data on people living with HIV in California. Providers and clinical laboratories provide HIV surveillance data to local health jurisdictions as a routine public health activity required by state law. [More information about HIV surveillance in California](#) can be found at:

<http://cdph.ca.gov/Programs/CID/DOA/Pages/OAsre.aspx>

This annual surveillance report summarizes information about people diagnosed with HIV infection in California. Information is also presented for the 61 California local health jurisdictions, including 58 counties and the three city-level health jurisdictions of Berkeley, Long Beach and Pasadena. There are three categories of data included in this report:

- Number and rate of new diagnoses of HIV infection during 2011–2015
- Number and rate of all persons living with diagnosed HIV infection during 2011–2015
- Number and rate of deaths among persons with diagnosed HIV infection during 2011–2015

Readers interested in [HIV surveillance data at the national level](#) are directed to the Centers for Disease Control and Prevention (CDC) HIV Surveillance Reports:

<http://www.cdc.gov/hiv/library/reports/surveillance/>

## Summary

- From 2011 through 2015, both the annual number and rate of new diagnoses of HIV infection in California declined. The number of new diagnoses declined by 2.9% — from 5,092 in 2011 to 4,948 in 2015, while the rate of new diagnoses per 100,000 population declined by 6.1%, from 13.5 to 12.7 during the same time period.
- From 2011 through 2015, the number of persons in California living with diagnosed HIV infection increased from approximately 118,000 to over 128,000. In 2015, the prevalence rate of diagnosed HIV infection was 330.1 per 100,000 population, compared to 313.8 in 2011— an increase of 5.2%.
- From 2011 through 2015, the annual number of deaths of persons with diagnosed HIV infection in California decreased from 1,720 to 1,642. In 2015, the crude death rate of persons with diagnosed HIV infection was 4.2 per 100,000 population — a 7.7% decrease since 2011. Data on deaths of persons with diagnosed HIV infection represent all causes of death, and may or may not be related to HIV infection.

**Suggested citation:** California Department of Public Health, Office of AIDS, California HIV Surveillance Report — 2015.

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## Technical Notes

The information presented in this report is based on HIV surveillance data reported to the OA through March 16, 2017 — over 14 months after the end of the last calendar year included in this report, allowing for a minimum of 12 months' reporting delay. Persons are presumed to reside in California if the most recent available address is located in the state.

The term HIV infection is defined as any diagnosis of HIV infection that met the CDC surveillance case definition, regardless of the stage of disease (stage 0, 1, 2, 3 [AIDS], or unknown) at time of initial diagnosis. This report does not include estimates of the number of persons who are infected with HIV, but not yet diagnosed. Because persons test at differing times after becoming infected, the number of persons with newly diagnosed HIV infection is not necessarily representative of persons newly infected with HIV (HIV incidence).

Please use caution when interpreting data on trends for groups with fewer than 20 cases. Small fluctuations from year to year can lead to dramatic changes in rates, which may not be indicative of changes in the epidemiology of HIV in these populations.

**Age:** The designation “adults and adolescents” refers to persons aged 12 years and older; “children” refers to persons aged less than 12 years. For newly diagnosed persons, the age group is based on the date of diagnosis. For persons living with HIV, the age group is based on the age at the end of the specified calendar year. For deaths, the age group is based on the age calculated at the end of the year of death.

**Gender:** Persons were classified as being transgender if a case report form affirming their transgender status was present in HIV surveillance data by March 16, 2017. Otherwise individuals were classified according to their sex-at-birth.

**Race and ethnicity:** Hispanic/Latino(a) persons can be of any race. Race/ethnicity data were collected using Asian/Native Hawaiian/Pacific Islander as a single category until 2003; therefore persons who were classified as Asian/Native Hawaiian/Pacific Islander prior to 2003 and for whom no subsequent race/ethnicity information is available are classified as Asian, because they cannot be disaggregated. Although California Government Code Section 8310.5 requires CDPH to tabulate information by expanded ethnicities for each major Asian and Pacific Islander group, the data shown here are not disaggregated into those groups in order to maintain the confidentiality of these persons.

**Geography:** Jurisdiction of residence was determined at the time of diagnosis for newly diagnosed persons. For all living and deceased cases, jurisdiction of residence was based on the most recent available address.

**Transmission category:** Transmission category is the term for classifying cases based on a person's reported HIV risk factors. The classification is based on the CDC algorithm and results from selecting the single risk factor most likely to have been responsible for transmission, even if multiple risk factors were reported. The CDC hierarchy of risk factors, from most likely to lead to HIV

transmission, to least likely, is as follows: male-to-male sexual contact (MSM) *and* injection drug use (IDU), MSM alone, IDU alone, receipt of clotting factor blood product for treatment of hemophilia or other chronic coagulation disorder, and high-risk-heterosexual (HRH) contact. Non-high-risk heterosexual contact was added by OA, and is last in the hierarchy. Classification is based on sex-at-birth.

Gay, bisexual, and other men who have sex with men are in the transmission category of male-to-male sexual contact (MSM); transgender women who have sex with men are also placed by CDC in this transmission category. Persons who inject drugs are in the transmission category of injection drug use (IDU). Persons whose transmission category is classified as high-risk heterosexual (HRH) contact are persons who reported engaging in heterosexual intercourse with a person of the opposite sex-at-birth, and that partner was known to be HIV positive or engaged in an activity that put them at high risk for HIV (i.e., MSM, IDU). The transmission category heterosexual contact non-high-risk (non-HRH) includes persons with no other identified risk, who reported engaging in heterosexual intercourse with a person of the opposite sex of their sex-at-birth. The heterosexual categories exclude men who report ever having had sexual contact with both men and women— these persons are classified as MSM. Perinatal includes persons who were exposed immediately before or during birth, or by breastfeeding. Cases of HIV infection reported without a risk factor listed in the hierarchy of transmission categories are classified as “unknown risk.” Other includes exposure to blood transfusion or blood products, receiving a transplant, and other unspecified risks.

**Deaths:** Persons living with diagnosed HIV infection are presumed to be alive, unless a date of death is available in the California HIV surveillance data system. Tables 1a to 1c contain data on newly diagnosed persons, including persons who died during the year they were diagnosed. Tables 2a to 2c include all persons living with HIV who were alive at the end of the specified calendar year, regardless of when they were diagnosed. Tables 3a to 3c include all persons who died during the calendar year if they resided in California as of the last known address. Deaths from any cause were included.

**Rates:** Rates per 100,000 persons are based on population estimates from the State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060 (Sacramento, California, December 2014). For rates at the city level we used the *State of California, Department of Finance, E-4 Population Estimates for Cities, Counties, and the State, 2011-2016, with 2010 Census Benchmark. Sacramento, California, May 2016*. Dashes (—) indicate where rates could not be calculated due to unknown population denominators.

Table 1a. Persons newly diagnosed with HIV infection, by year of diagnosis and selected demographic characteristics, 2011–2015 — California

Characteristic	2011			2012			2013			2014			2015			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
<b>Age at diagnosis (in years)</b>	0 to 11	15	0.3%	0.2	12	0.2%	0.2	19	0.4%	0.3	14	0.3%	0.2	7	0.1%	0.1
	12 to 14	2	0.04%	0.1	4	0.1%	0.3	6	0.1%	0.4	7	0.1%	0.5	1	0.0%	0.1
	15 to 17	27	0.5%	1.7	29	0.6%	1.8	26	0.6%	1.7	29	0.6%	1.9	28	0.6%	1.8
	18 to 19	135	2.7%	11.6	128	2.5%	11.1	117	2.5%	10.3	110	2.1%	9.9	128	2.6%	11.7
	20 to 24	722	14.2%	25.8	768	15.1%	27.1	699	14.8%	24.3	828	16.2%	28.5	849	17.2%	29.3
	25 to 29	835	16.4%	30.3	879	17.3%	32.0	814	17.2%	29.7	952	18.6%	34.7	956	19.3%	34.7
	30 to 34	725	14.2%	27.5	766	15.1%	28.6	726	15.4%	26.6	794	15.5%	28.7	729	14.7%	26.3
	35 to 39	652	12.8%	25.9	568	11.2%	22.6	545	11.5%	21.6	584	11.4%	22.8	553	11.2%	21.2
	40 to 44	622	12.2%	23.6	579	11.4%	21.9	530	11.2%	20.2	530	10.3%	20.4	473	9.6%	18.4
	45 to 49	559	11.0%	21.1	588	11.6%	22.5	497	10.5%	19.2	470	9.2%	18.3	451	9.1%	17.4
	50 to 54	395	7.8%	15.2	389	7.6%	14.8	329	7.0%	12.5	368	7.2%	13.9	363	7.3%	13.7
	55 to 59	226	4.4%	9.9	210	4.1%	8.9	221	4.7%	9.1	237	4.6%	9.6	206	4.2%	8.2
	60 to 64	86	1.7%	4.4	95	1.9%	4.8	109	2.3%	5.4	118	2.3%	5.7	113	2.3%	5.3
65 to 74	78	1.5%	4.0	61	1.2%	3.0	75	1.6%	3.5	72	1.4%	3.0	76	1.5%	3.2	
≥ 75	13	0.3%	0.8	13	0.3%	0.7	13	0.3%	0.7	10	0.2%	0.6	15	0.3%	0.8	
<b>Race/ethnicity</b>	Hispanic/Latino	2,089	41.0%	14.6	2,155	42.3%	14.9	1,988	42.1%	13.5	2,287	44.6%	15.3	2,167	43.8%	14.3
	American Indian/Alaska Native	18	0.4%	10.7	16	0.3%	9.5	15	0.3%	8.8	12	0.2%	7.0	17	0.3%	9.8
	Asian	251	4.9%	5.2	307	6.0%	6.2	301	6.4%	6.0	352	6.9%	6.9	315	6.4%	6.1
	Black/African American	961	18.9%	43.6	870	17.1%	39.4	832	17.6%	37.6	842	16.4%	37.8	883	17.8%	39.5
	Native Hawaiian/Other Pacific Islander	24	0.5%	17.7	16	0.3%	11.7	14	0.3%	10.1	5	0.1%	3.6	15	0.3%	10.5
	White	1,605	31.5%	10.7	1,597	31.4%	10.6	1,446	30.6%	9.6	1,497	29.2%	10.0	1,436	29.0%	9.6
	Multiple races	144	2.8%	15.3	128	2.5%	13.2	124	2.6%	12.5	128	2.5%	12.6	115	2.3%	11.0
<b>Gender</b>	Male	4,464	87.7%	23.9	4,461	87.7%	23.7	4,136	87.5%	21.8	4,469	87.2%	23.3	4,361	88.1%	22.5
	Female	562	11.0%	3.0	551	10.8%	2.9	525	11.1%	2.7	595	11.6%	3.1	522	10.5%	2.7
	Transgender: male-to-female	62	1.2%	—	75	1.5%	—	63	1.3%	—	58	1.1%	—	60	1.2%	—
	Transgender: female-to-male	2	0.04%	—	2	0.04%	—	2	0.04%	—	1	0.02%	—	5	0.1%	—
	Alternative gender identity	2	0.04%	—	0	0.0%	—	0	0.0%	—	0	0.0%	—	0	0.0%	—
	<b>Total</b>	<b>5,092</b>		<b>13.5</b>	<b>5,089</b>		<b>13.4</b>	<b>4,726</b>		<b>12.4</b>	<b>5,123</b>		<b>13.3</b>	<b>4,948</b>		<b>12.7</b>

Note: Rates are per 100,000 population. Dash (—) indicates rates not calculated due to unknown population denominators.

Table 1b. Persons newly diagnosed with HIV infection, by year of diagnosis and transmission category, 2011–2015 — California

Demographic group	Transmission category	2011		2012		2013		2014		2015	
		N	%	N	%	N	%	N	%	N	%
<b>Male adult or adolescent</b>											
(≥12 years old at diagnosis)	Male-to-male sexual contact (MSM)	3,504	77.5%	3,395	74.9%	3,133	74.7%	3,332	73.7%	3,273	74.1%
	Injection drug use (IDU)	159	3.5%	144	3.2%	143	3.4%	142	3.1%	134	3.0%
	MSM and IDU	213	4.7%	216	4.8%	164	3.9%	166	3.7%	156	3.5%
	High-risk heterosexual contact	113	2.5%	109	2.4%	145	3.5%	143	3.2%	103	2.3%
	Heterosexual contact (non-high-risk)	231	5.1%	268	5.9%	294	7.0%	302	6.7%	319	7.2%
	Perinatal	0	0.0%	0	0.0%	0	0.0%	1	0.02%	0	0.0%
	Unknown risk	299	6.6%	398	8.8%	314	7.5%	433	9.6%	433	9.8%
	<b>Subtotal</b>	<b>4,519</b>	<b>88.7%</b>	<b>4,530</b>	<b>89.0%</b>	<b>4,193</b>	<b>88.7%</b>	<b>4,519</b>	<b>88.2%</b>	<b>4,418</b>	<b>89.3%</b>
<b>Female adult or adolescent</b>											
(≥12 years old at diagnosis)	Injection drug use	73	13.1%	58	10.6%	54	10.5%	60	10.2%	59	11.3%
	High-risk heterosexual contact	257	46.1%	256	47.0%	219	42.6%	228	38.7%	194	37.2%
	Heterosexual contact (non-high-risk)	171	30.6%	169	31.0%	174	33.9%	239	40.6%	215	41.2%
	Perinatal	0	0.0%	0	0.0%	1	0.2%	2	0.3%	0	0.0%
	Unknown risk	57	10.2%	62	11.4%	66	12.8%	60	10.2%	54	10.3%
	<b>Subtotal</b>	<b>558</b>	<b>11.0%</b>	<b>545</b>	<b>10.7%</b>	<b>514</b>	<b>10.9%</b>	<b>589</b>	<b>11.5%</b>	<b>522</b>	<b>10.5%</b>
<b>Child</b>											
(<12 years old at diagnosis)	Perinatal	10	66.7%	13	92.9%	13	68.4%	12	80.0%	8	100.0%
	Unknown risk	4	26.7%	1	7.1%	6	31.6%	3	20.0%	0	0.0%
	Other	1	6.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	<b>Subtotal</b>	<b>15</b>	<b>0.3%</b>	<b>14</b>	<b>0.3%</b>	<b>19</b>	<b>0.4%</b>	<b>15</b>	<b>0.3%</b>	<b>8</b>	<b>0.2%</b>
<b>Total</b>		<b>5,092</b>		<b>5,089</b>		<b>4,726</b>		<b>5,123</b>		<b>4,948</b>	

Note: Transmission category classified by sex-at-birth. High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex-at-birth who is HIV-positive or has a high HIV risk (e.g., MSM, IDU). Heterosexual contact (non-high-risk): heterosexual intercourse with a person of the opposite sex-at-birth who does not have a high HIV risk. Other includes exposure to blood transfusion or blood products, receiving a transplant, occupational exposure, and other unspecified risks.

Table 1c. Persons newly diagnosed with HIV infection, by year of diagnosis and local health jurisdiction, 2011–2015 — California

County of residence at diagnosis	2011			2012			2013			2014			2015		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	214	4.2%	14.0	236	4.6%	15.3	216	4.6%	13.8	208	4.1%	13.1	261	5.3%	16.3
Alpine	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Amador	0	0.0%	0.0	4	0.1%	10.7	2	0.04%	5.4	0	0.0%	0.0	1	0.02%	2.7
Butte	3	0.1%	1.4	9	0.2%	4.1	8	0.2%	3.6	8	0.2%	3.6	8	0.2%	3.5
Calaveras	1	0.02%	2.2	0	0.0%	0.0	3	0.1%	6.6	3	0.1%	6.6	1	0.02%	2.2
Colusa	0	0.0%	0.0	2	0.04%	9.2	0	0.0%	0.0	0	0.0%	0.0	1	0.02%	4.4
Contra Costa	99	1.9%	9.3	89	1.7%	8.3	73	1.5%	6.7	106	2.1%	9.7	92	1.9%	8.3
Del Norte	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
El Dorado	8	0.2%	4.4	3	0.1%	1.6	4	0.1%	2.2	4	0.1%	2.2	7	0.1%	3.8
Fresno	112	2.2%	11.9	105	2.1%	11.1	89	1.9%	9.3	113	2.2%	11.7	101	2.0%	10.3
Glenn	0	0.0%	0.0	1	0.02%	3.5	0	0.0%	0.0	0	0.0%	0.0	1	0.02%	3.4
Humboldt	5	0.1%	3.7	4	0.1%	2.9	4	0.1%	2.9	6	0.1%	4.4	9	0.2%	6.6
Imperial	17	0.3%	9.6	15	0.3%	8.4	20	0.4%	11.2	18	0.4%	9.8	18	0.4%	9.6
Inyo	1	0.02%	5.3	0	0.0%	0.0	0	0.0%	0.0	3	0.1%	15.6	1	0.02%	5.2
Kern	93	1.8%	10.9	94	1.8%	10.9	110	2.3%	12.6	111	2.2%	12.6	122	2.5%	13.6
Kings	5	0.1%	3.3	8	0.2%	5.2	12	0.3%	7.9	8	0.2%	5.2	7	0.1%	4.5
Lake	2	0.04%	3.1	2	0.04%	3.1	1	0.02%	1.5	2	0.0%	3.1	1	0.02%	1.5
Lassen	1	0.02%	2.9	3	0.1%	8.6	0	0.0%	0.0	0	0.0%	0.0	1	0.02%	2.8
Los Angeles	2,041	40.1%	20.7	2,054	40.4%	20.7	1,802	38.1%	18.0	2,072	40.4%	20.6	1,968	39.8%	19.4
Madera	17	0.3%	11.2	11	0.2%	7.3	7	0.1%	4.6	13	0.3%	8.4	6	0.1%	3.8
Marin	24	0.5%	9.4	11	0.2%	4.3	14	0.3%	5.5	24	0.5%	9.3	23	0.5%	8.9
Mariposa	0	0.0%	0.0	3	0.1%	16.5	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Mendocino	2	0.04%	2.3	3	0.1%	3.4	2	0.04%	2.2	5	0.1%	5.6	3	0.1%	3.4
Merced	18	0.4%	6.9	15	0.3%	5.7	12	0.3%	4.6	15	0.3%	5.6	19	0.4%	7.0
Modoc	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Mono	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Monterey	27	0.5%	6.4	24	0.5%	5.7	29	0.6%	6.8	25	0.5%	5.9	31	0.6%	7.2
Napa	12	0.2%	8.7	3	0.1%	2.2	5	0.1%	3.6	10	0.2%	7.1	4	0.1%	2.8
Nevada	2	0.04%	2.0	6	0.1%	6.1	6	0.1%	6.1	3	0.1%	3.0	2	0.04%	2.0
Orange	305	6.0%	10.0	263	5.2%	8.6	306	6.5%	9.9	287	5.6%	9.2	325	6.6%	10.3
Placer	13	0.3%	3.6	15	0.3%	4.2	12	0.3%	3.3	14	0.3%	3.8	11	0.2%	2.9
Plumas	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Riverside	216	4.2%	9.7	254	5.0%	11.3	236	5.0%	10.4	262	5.1%	11.4	267	5.4%	11.5
Sacramento	175	3.4%	12.2	185	3.6%	12.9	167	3.5%	11.5	180	3.5%	12.3	147	3.0%	10.0
San Benito	6	0.1%	10.7	0	0.0%	0.0	1	0.02%	1.7	1	0.02%	1.7	4	0.1%	6.8
San Bernardino	189	3.7%	9.2	194	3.8%	9.4	186	3.9%	9.0	218	4.3%	10.4	185	3.7%	8.7
San Diego	503	9.9%	16.1	481	9.5%	15.2	483	10.2%	15.2	492	9.6%	15.3	487	9.8%	15.0
San Francisco	422	8.3%	51.7	455	8.9%	55.1	397	8.4%	47.6	329	6.4%	39.1	294	5.9%	34.6
San Joaquin	79	1.6%	11.4	48	0.9%	6.9	81	1.7%	11.5	73	1.4%	10.2	67	1.4%	9.3
San Luis Obispo	22	0.4%	8.2	18	0.4%	6.6	17	0.4%	6.3	11	0.2%	4.0	17	0.3%	6.2
San Mateo	73	1.4%	10.0	65	1.3%	8.8	50	1.1%	6.7	66	1.3%	8.8	59	1.2%	7.8
Santa Barbara	29	0.6%	6.8	30	0.6%	7.0	19	0.4%	4.4	25	0.5%	5.7	23	0.5%	5.2
Santa Clara	139	2.7%	7.7	137	2.7%	7.5	131	2.8%	7.1	164	3.2%	8.8	155	3.1%	8.2
Santa Cruz	28	0.5%	10.5	21	0.4%	7.8	13	0.3%	4.8	22	0.4%	8.1	12	0.2%	4.4
Shasta	5	0.1%	2.8	3	0.1%	1.7	10	0.2%	5.6	8	0.2%	4.5	3	0.1%	1.7
Sierra	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Siskiyou	3	0.1%	6.7	3	0.1%	6.6	0	0.0%	0.0	2	0.04%	4.4	2	0.04%	4.4
Solano	33	0.6%	8.0	42	0.8%	10.0	27	0.6%	6.4	53	1.0%	12.4	34	0.7%	7.9
Sonoma	42	0.8%	8.6	41	0.8%	8.4	37	0.8%	7.5	30	0.6%	6.0	31	0.6%	6.2
Stanislaus	23	0.5%	4.4	31	0.6%	5.9	41	0.9%	7.8	30	0.6%	5.6	26	0.5%	4.8
Sutter	2	0.04%	2.1	2	0.04%	2.1	5	0.1%	5.1	1	0.02%	1.0	1	0.02%	1.0
Tehama	2	0.04%	3.1	2	0.04%	3.1	1	0.02%	1.6	0	0.0%	0.0	1	0.02%	1.5
Trinity	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Tulare	33	0.6%	7.4	29	0.6%	6.4	30	0.6%	6.6	35	0.7%	7.6	31	0.6%	6.6
Tuolumne	5	0.1%	9.0	2	0.04%	3.7	1	0.02%	1.8	0	0.0%	0.0	2	0.04%	3.7
Ventura	32	0.6%	3.9	47	0.9%	5.6	47	1.0%	5.6	52	1.0%	6.2	51	1.0%	6.0
Yolo	8	0.2%	3.9	13	0.3%	6.3	6	0.1%	2.9	9	0.2%	4.3	20	0.4%	9.5
Yuba	1	0.02%	1.4	3	0.1%	4.1	3	0.1%	4.1	2	0.04%	2.7	4	0.1%	5.3
<b>Total</b>	<b>5,092</b>		<b>13.5</b>	<b>5,089</b>		<b>13.4</b>	<b>4,726</b>		<b>12.4</b>	<b>5,123</b>		<b>13.3</b>	<b>4,947</b>		<b>12.7</b>
Berkeley city	12	0.2%	10.4	15	0.3%	12.9	13	0.3%	11.1	19	0.4%	16.0	23	0.5%	19.2
Long Beach city	159	3.1%	33.8	192	3.8%	40.3	134	2.8%	27.9	127	2.5%	26.4	128	2.6%	26.4
Pasadena city	15	0.3%	10.8	29	0.6%	20.8	26	0.6%	18.6	23	0.4%	16.5	31	0.6%	22.0

Note: Rates are per 100,000 population. Counts are based on residence information at the time of diagnosis. Numbers for the city health jurisdictions of Berkeley, Long Beach and Pasadena are subsets of the numbers for the counties in which they are located (Alameda, Los Angeles, and Los Angeles, respectively).



Table 2a. Persons living with diagnosed HIV infection, by year and selected demographic characteristics, 2011–2015 — California

Characteristic	2011			2012			2013			2014			2015			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
<b>Age at year end (years)</b>	0 to 11	164	0.1%	2.7	147	0.1%	2.4	149	0.1%	2.5	143	0.1%	2.4	130	0.1%	2.1
	12 to 14	86	0.1%	5.6	79	0.1%	5.2	74	0.1%	4.9	73	0.1%	4.8	67	0.1%	4.4
	15 to 17	176	0.1%	10.8	158	0.1%	9.9	139	0.1%	8.9	127	0.1%	8.2	119	0.1%	7.7
	18 to 19	304	0.3%	26.2	297	0.2%	25.9	274	0.2%	24.2	245	0.2%	22.0	250	0.2%	22.9
	20 to 24	2,877	2.4%	102.6	2,922	2.4%	102.9	2,893	2.3%	100.6	2,944	2.3%	101.5	2,939	2.3%	101.4
	25 to 29	6,351	5.4%	230.2	6,644	5.5%	242.2	6,804	5.5%	248.4	7,076	5.6%	257.7	7,200	5.6%	261.0
	30 to 34	9,052	7.7%	343.6	9,245	7.6%	344.8	9,430	7.6%	345.7	9,674	7.7%	350.1	9,862	7.7%	355.3
	35 to 39	11,124	9.4%	441.0	10,923	9.0%	433.9	10,888	8.8%	430.7	11,055	8.8%	432.5	11,284	8.8%	433.3
	40 to 44	17,944	15.2%	680.8	16,896	14.0%	639.4	15,767	12.7%	599.5	14,642	11.6%	562.4	13,530	10.5%	527.4
	45 to 49	23,574	20.0%	891.8	22,984	19.0%	879.5	22,176	17.9%	858.2	20,811	16.5%	808.4	19,894	15.5%	765.8
	50 to 54	19,838	16.8%	762.1	21,249	17.6%	809.4	22,481	18.2%	851.4	23,352	18.6%	879.2	23,872	18.6%	902.8
	55 to 59	13,165	11.2%	574.7	14,382	11.9%	609.4	15,512	12.5%	641.6	16,505	13.1%	669.4	17,795	13.9%	707.4
	60 to 64	7,610	6.4%	393.7	8,444	7.0%	428.8	9,339	7.5%	463.1	10,220	8.1%	491.3	11,151	8.7%	518.7
	65 to 74	4,904	4.2%	254.2	5,716	4.7%	280.9	6,640	5.4%	307.7	7,564	6.0%	318.2	8,730	6.8%	365.6
≥ 75	838	0.7%	48.4	982	0.8%	55.9	1,143	0.9%	63.8	1,341	1.1%	74.0	1,592	1.2%	86.3	
<b>Race/ethnicity</b>	Hispanic/Latino	38,196	32.4%	267.5	39,841	32.9%	275.0	41,299	33.4%	281.1	42,932	34.1%	287.5	44,480	34.6%	293.2
	American Indian/Alaska Native	395	0.3%	235.6	398	0.3%	235.8	399	0.3%	234.4	364	0.3%	212.0	400	0.3%	231.3
	Asian	3,851	3.3%	79.1	4,138	3.4%	84.1	4,402	3.6%	88.1	4,705	3.7%	92.6	4,961	3.9%	96.2
	Black/African American	21,009	17.8%	953.6	21,497	17.8%	973.1	21,942	17.7%	990.5	22,253	17.7%	999.6	22,595	17.6%	1010.3
	Native Hawaiian/Pacific Islander	239	0.2%	176.5	253	0.2%	184.8	261	0.2%	188.0	264	0.2%	187.7	274	0.2%	192.1
	White	51,586	43.7%	343.7	52,173	43.1%	347.6	52,591	42.5%	350.7	52,382	41.7%	349.7	52,842	41.1%	352.9
	Multiple races	2,724	2.3%	288.5	2,761	2.3%	284.9	2,808	2.3%	282.4	2,835	2.3%	278.8	2,856	2.2%	274.4
	Unknown	7	0.01%	—	7	0.01%	—	7	0.01%	—	7	0.01%	—	7	0.01%	—
<b>Gender</b>	Male	102,568	86.9%	548.3	105,323	87.0%	558.5	107,650	87.0%	566.4	109,409	87.0%	570.5	111,763	87.0%	577.6
	Female	14,006	11.9%	74.1	14,267	11.8%	74.9	14,538	11.8%	75.7	14,825	11.8%	76.5	15,069	11.7%	77.1
	Transgender: Male-to-female	1,393	1.2%	—	1,436	1.2%	—	1,479	1.2%	—	1,495	1.2%	—	1,537	1.2%	—
	Transgender: Female-to-male	35	0.03%	—	37	0.03%	—	37	0.03%	—	38	0.03%	—	42	0.03%	—
	Alternative gender identity	5	0.004%	—	5	0.004%	—	5	0.004%	—	5	0.004%	—	4	0.003%	—
<b>Total</b>	<b>118,007</b>		<b>313.8</b>	<b>121,068</b>		<b>319.4</b>	<b>123,709</b>		<b>323.8</b>	<b>125,772</b>		<b>326.3</b>	<b>128,415</b>		<b>330.1</b>	

Note: Rates are per 100,000 population. Dash (—) indicates rates not calculated due to unknown population denominators. Until 2003, Asian/Native Hawaiian/Pacific Islander was classified as a single category; therefore persons with race/ethnicity data only available prior to 2003 are classified as Asian because they cannot be disaggregated.

Table 2b. Persons living with diagnosed HIV infection, by year and transmission category, 2011–2015 — California

Demographic group	Transmission category	2011		2012		2013		2014		2015	
		N	%	N	%	N	%	N	%	N	%
<b>Male adult or adolescent</b>											
( $\geq 12$ years at year end)											
	Male-to-male sexual contact (MSM)	77,940	75.0%	80,317	75.3%	82,249	75.4%	83,616	75.4%	85,554	75.5%
	Injection drug use (IDU)	5,455	5.3%	5,405	5.1%	5,358	4.9%	5,308	4.8%	5,264	4.6%
	MSM and IDU	9,712	9.3%	9,600	9.0%	9,497	8.7%	9,267	8.4%	9,128	8.1%
	High-risk heterosexual contact	3,372	3.2%	3,416	3.2%	3,490	3.2%	3,573	3.2%	3,597	3.2%
	Heterosexual contact (non-high-risk)	3,331	3.2%	3,548	3.3%	3,787	3.5%	4,034	3.6%	4,291	3.8%
	Perinatal	255	0.2%	263	0.2%	271	0.2%	281	0.3%	288	0.3%
	Unknown risk	3,533	3.4%	3,865	3.6%	4,141	3.8%	4,496	4.1%	4,870	4.3%
	Other	291	0.3%	281	0.3%	273	0.3%	268	0.2%	254	0.2%
	<b>Subtotal</b>	<b>103,889</b>	<b>88.0%</b>	<b>106,695</b>	<b>88.1%</b>	<b>109,066</b>	<b>88.2%</b>	<b>110,843</b>	<b>88.1%</b>	<b>113,246</b>	<b>88.2%</b>
<b>Female adult or adolescent</b>											
( $\geq 12$ years at year end)											
	Injection drug use	2,995	21.5%	2,948	20.7%	2,890	19.9%	2,837	19.2%	2,785	18.5%
	High-risk heterosexual contact	7,436	53.3%	7,563	53.2%	7,670	52.9%	7,778	52.6%	7,862	52.3%
	Heterosexual contact (non-high-risk)	2,360	16.9%	2,497	17.6%	2,650	18.3%	2,847	19.3%	3,020	20.1%
	Perinatal	292	2.1%	303	2.1%	315	2.2%	320	2.2%	333	2.2%
	Unknown risk	716	5.1%	763	5.4%	817	5.6%	857	5.8%	897	6.0%
	Other	155	1.1%	152	1.1%	152	1.0%	147	1.0%	142	0.9%
	<b>Subtotal</b>	<b>13,954</b>	<b>11.8%</b>	<b>14,226</b>	<b>11.8%</b>	<b>14,494</b>	<b>11.7%</b>	<b>14,786</b>	<b>11.8%</b>	<b>15,039</b>	<b>11.7%</b>
<b>Child</b>											
(<12 years old at year end)											
	Perinatal	148	90.2%	131	89.1%	126	84.6%	120	83.9%	111	85.4%
	Unknown risk	15	9.1%	15	10.2%	22	14.8%	22	15.4%	18	13.8%
	Other	1	0.6%	1	0.7%	1	0.7%	1	0.7%	1	0.8%
	<b>Subtotal</b>	<b>164</b>	<b>0.1%</b>	<b>147</b>	<b>0.1%</b>	<b>149</b>	<b>0.1%</b>	<b>143</b>	<b>0.1%</b>	<b>130</b>	<b>0.1%</b>
<b>Total</b>		<b>118,007</b>		<b>121,068</b>		<b>123,709</b>		<b>125,772</b>		<b>128,415</b>	

Note: Transmission category classified by sex-at-birth. High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex-at-birth who is HIV-positive or has a high HIV risk (e.g., MSM, IDU). Heterosexual contact (non-high-risk): heterosexual intercourse with a person of the opposite sex-at-birth who does not have a high HIV risk. Other includes exposure to blood transfusion or blood products, receiving a transplant, occupational exposure, and other unspecified risks.

Table 2c. Persons living with diagnosed HIV infection, by year and local health jurisdiction, 2011–2015 — California

County of residence	2011			2012			2013			2014			2015		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	5,532	4.7%	362.5	5,725	4.7%	372.0	5,877	4.8%	375.9	6,056	4.8%	382.8	6,205	4.8%	387.8
Alpine	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Amador	56	0.05%	147.2	58	0.05%	155.8	54	0.04%	146.2	50	0.04%	135.1	49	0.04%	131.8
Butte	226	0.2%	102.3	230	0.2%	103.9	232	0.2%	104.5	240	0.2%	106.9	237	0.2%	104.6
Calaveras	29	0.02%	63.9	29	0.02%	64.1	32	0.03%	70.8	35	0.03%	76.9	39	0.03%	84.9
Colusa	2	0.002%	9.2	5	0.004%	23.0	5	0.004%	22.7	5	0.004%	22.5	5	0.004%	22.2
Contra Costa	2,069	1.8%	195.1	2,143	1.8%	200.5	2,235	1.8%	206.6	2,289	1.8%	209.0	2,339	1.8%	210.9
Del Norte	22	0.02%	76.3	21	0.02%	72.7	19	0.02%	66.6	18	0.01%	63.2	20	0.02%	70.0
El Dorado	157	0.1%	86.5	159	0.1%	86.6	158	0.1%	85.8	160	0.1%	86.8	163	0.1%	88.2
Fresno	1,483	1.3%	157.7	1,606	1.3%	169.2	1,697	1.4%	177.1	1,770	1.4%	182.6	1,826	1.4%	186.0
Glenn	11	0.01%	38.6	12	0.01%	42.3	12	0.01%	42.0	12	0.01%	41.6	13	0.01%	44.6
Humboldt	183	0.2%	133.9	176	0.1%	129.2	177	0.1%	129.7	183	0.1%	133.8	212	0.2%	154.6
Imperial	224	0.2%	126.2	239	0.2%	133.9	246	0.2%	137.2	256	0.2%	139.8	269	0.2%	143.3
Inyo	11	0.01%	57.9	14	0.01%	72.7	12	0.01%	62.4	18	0.01%	93.5	17	0.01%	88.1
Kern	1,616	1.4%	189.4	1,577	1.3%	183.3	1,545	1.2%	177.6	1,587	1.3%	180.7	1,657	1.3%	185.2
Kings	229	0.2%	149.3	244	0.2%	160.0	244	0.2%	160.0	262	0.2%	170.6	294	0.2%	189.5
Lake	125	0.1%	193.0	120	0.1%	185.5	124	0.1%	191.4	135	0.1%	206.2	169	0.1%	255.2
Lassen	23	0.02%	65.7	25	0.02%	71.5	22	0.02%	62.9	21	0.02%	59.9	24	0.02%	68.2
Los Angeles	45,656	38.7%	462.9	47,353	39.1%	476.1	48,964	39.6%	489.1	50,204	39.9%	497.9	50,652	39.5%	499.2
Madera	153	0.1%	100.5	156	0.1%	102.9	148	0.1%	96.5	175	0.1%	113.0	174	0.1%	110.3
Marin	812	0.7%	319.0	778	0.6%	305.9	789	0.6%	307.9	900	0.7%	349.1	861	0.7%	332.7
Mariposa	16	0.01%	88.3	22	0.02%	121.2	20	0.02%	110.5	19	0.02%	105.0	21	0.02%	115.7
Mendocino	132	0.1%	149.1	173	0.1%	194.2	170	0.1%	191.2	181	0.1%	203.8	177	0.1%	199.1
Merced	183	0.2%	70.3	192	0.2%	73.3	195	0.2%	74.0	202	0.2%	75.8	219	0.2%	81.2
Modoc	1	0.001%	10.3	1	0.001%	10.4	1	0.001%	10.6	2	0.002%	21.3	2	0.002%	21.3
Mono	7	0.01%	48.5	6	0.005%	41.2	4	0.003%	27.8	2	0.002%	13.9	5	0.004%	34.4
Monterey	628	0.5%	149.6	633	0.5%	150.2	646	0.5%	152.3	674	0.5%	158.0	672	0.5%	156.4
Napa	217	0.2%	156.8	221	0.2%	159.2	230	0.2%	164.5	242	0.2%	171.4	296	0.2%	208.0
Nevada	68	0.1%	68.7	74	0.1%	75.2	82	0.1%	83.4	84	0.1%	85.3	94	0.1%	95.3
Orange	6,955	5.9%	228.5	6,986	5.8%	227.4	7,031	5.7%	227.0	7,195	5.7%	230.2	7,297	5.7%	231.6
Placer	190	0.2%	53.3	212	0.2%	58.8	220	0.2%	60.3	230	0.2%	62.3	230	0.2%	61.6
Plumas	8	0.01%	39.7	8	0.01%	40.5	8	0.01%	41.1	8	0.01%	41.2	13	0.01%	67.1
Riverside	5,265	4.5%	236.9	5,483	4.5%	243.9	5,694	4.6%	251.5	5,924	4.7%	258.2	6,636	5.2%	285.6
Sacramento	3,561	3.0%	248.7	3,648	3.0%	254.0	3,746	3.0%	258.7	3,813	3.0%	261.0	3,768	2.9%	255.4
San Benito	44	0.04%	78.4	41	0.03%	72.1	40	0.03%	69.7	40	0.03%	68.7	42	0.03%	71.1
San Bernardino	3,160	2.7%	153.9	3,203	2.6%	155.1	3,235	2.6%	155.9	3,358	2.7%	160.2	3,467	2.7%	163.8
San Diego	12,257	10.4%	391.2	12,362	10.2%	391.1	12,523	10.1%	393.3	12,809	10.2%	398.5	12,877	10.0%	396.9
San Francisco	14,567	12.3%	1,784.9	14,761	12.2%	1,788.5	14,666	11.9%	1,758.9	13,620	10.8%	1,620.7	14,161	11.0%	1,668.8
San Joaquin	1,151	1.0%	166.0	1,137	0.9%	162.8	1,217	1.0%	172.9	1,332	1.1%	186.6	1,373	1.1%	189.8
San Luis Obispo	655	0.6%	242.6	649	0.5%	239.8	665	0.5%	244.7	615	0.5%	225.3	542	0.4%	197.6
San Mateo	1,463	1.2%	201.0	1,516	1.3%	206.1	1,536	1.2%	207.0	1,568	1.2%	209.8	1,565	1.2%	207.9
Santa Barbara	541	0.5%	126.8	559	0.5%	130.9	570	0.5%	131.6	603	0.5%	138.3	611	0.5%	139.2
Santa Clara	3,250	2.8%	180.0	3,322	2.7%	182.0	3,334	2.7%	180.2	3,392	2.7%	181.2	3,416	2.7%	180.7
Santa Cruz	428	0.4%	160.9	431	0.4%	160.1	428	0.3%	157.6	447	0.4%	164.2	485	0.4%	177.2
Shasta	186	0.16%	104.4	207	0.17%	115.9	210	0.17%	117.6	213	0.17%	118.8	204	0.16%	113.3
Sierra	1	0.001%	30.6	1	0.001%	30.5	1	0.001%	30.6	2	0.002%	61.2	3	0.002%	92.1
Siskiyou	27	0.02%	59.9	30	0.02%	65.8	30	0.02%	66.3	32	0.03%	70.7	40	0.03%	88.1
Solano	1,123	1.0%	270.6	1,119	0.9%	266.4	1,136	0.9%	267.9	1,179	0.9%	275.0	1,239	1.0%	286.2
Sonoma	1,238	1.0%	253.9	1,247	1.0%	254.7	1,264	1.0%	256.4	1,296	1.0%	260.6	1,309	1.0%	261.1
Stanislaus	518	0.4%	99.9	528	0.4%	100.9	536	0.4%	101.7	566	0.5%	106.3	588	0.5%	109.2
Sutter	73	0.06%	76.7	75	0.06%	77.2	78	0.06%	80.1	78	0.06%	80.2	77	0.06%	78.7
Tehama	38	0.03%	59.6	42	0.03%	65.3	43	0.03%	66.7	42	0.03%	64.8	40	0.03%	61.4
Trinity	15	0.01%	108.6	13	0.01%	94.3	14	0.01%	101.6	15	0.01%	108.8	17	0.01%	123.0
Tulare	258	0.22%	57.6	284	0.23%	62.7	304	0.25%	66.7	329	0.26%	71.3	366	0.29%	78.3
Tuolumne	43	0.04%	77.3	39	0.03%	71.4	38	0.03%	69.3	40	0.03%	73.3	41	0.03%	75.1
Ventura	905	0.8%	109.0	926	0.8%	111.1	946	0.8%	112.7	976	0.8%	115.5	1,013	0.8%	119.1
Yolo	177	0.15%	87.2	202	0.17%	98.3	209	0.17%	101.2	218	0.17%	104.8	231	0.18%	110.2
Yuba	39	0.03%	53.5	45	0.04%	61.3	47	0.04%	63.9	50	0.04%	67.3	53	0.04%	70.6
<b>Total</b>	<b>118,007</b>		<b>313.8</b>	<b>121,068</b>		<b>319.4</b>	<b>123,709</b>		<b>323.8</b>	<b>125,772</b>		<b>326.3</b>	<b>128,415</b>		<b>330.1</b>
Berkeley city	422	0.4%	366.3	442	0.4%	380.8	458	0.4%	390.1	481	0.4%	404.5	496	0.4%	413.6
Long Beach city	4,500	3.8%	955.9	4,588	3.8%	961.9	4,653	3.8%	970.1	4,667	3.7%	968.7	4,661	3.6%	961.1
Pasadena city	549	0.5%	393.6	563	0.5%	404.4	587	0.5%	420.3	603	0.5%	431.4	597	0.5%	423.3

Note: Rates are per 100,000 population. Numbers for the city health jurisdictions of Berkeley, Long Beach and Pasadena are subsets of the numbers for the counties in which they are located (Alameda, Los Angeles, and Los Angeles, respectively).

Table 3a. Deaths of persons with diagnosed HIV infection, by year and selected demographic characteristics, 2011–2015 — California

Characteristic	2011			2012			2013			2014			2015			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
<b>Age at year end (years)</b>	0 to 11	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
	12 to 14	0	0.0%	0.0	1	0.1%	0.0	0	0.0%	0.0	1	0.1%	0.0	0	0.0%	0.0
	15 to 17	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
	18 to 19	0	0.0%	0.0	1	0.1%	0.1	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
	20 to 24	19	1.1%	1.2	11	0.7%	0.7	8	0.5%	0.5	10	0.6%	0.6	10	0.6%	0.6
	25 to 29	34	2.0%	2.9	27	1.6%	2.4	47	2.9%	4.1	27	1.6%	2.4	25	1.5%	2.3
	30 to 34	59	3.4%	2.1	64	3.8%	2.3	55	3.4%	1.9	48	2.9%	1.7	64	3.9%	2.2
	35 to 39	106	6.2%	3.8	95	5.7%	3.5	80	4.9%	2.9	78	4.7%	2.8	83	5.1%	3.0
	40 to 44	170	9.9%	6.5	158	9.4%	5.9	133	8.1%	4.9	122	7.3%	4.4	117	7.1%	4.2
	45 to 49	324	18.8%	12.8	257	15.3%	10.2	261	15.9%	10.3	245	14.7%	9.6	188	11.4%	7.2
	50 to 54	326	19.0%	12.4	338	20.2%	12.8	281	17.2%	10.7	307	18.4%	11.8	283	17.2%	11.0
	55 to 59	290	16.9%	11.0	264	15.8%	10.1	282	17.2%	10.9	288	17.2%	11.2	328	20.0%	12.6
	60 to 64	162	9.4%	6.2	208	12.4%	7.9	214	13.1%	8.1	248	14.8%	9.3	219	13.3%	8.3
	65 to 74	181	10.5%	7.9	193	11.5%	8.2	206	12.6%	8.5	230	13.8%	9.3	241	14.7%	9.6
	≥ 75	49	2.8%	2.5	59	3.5%	3.0	71	4.3%	3.5	68	4.1%	3.3	84	5.1%	3.9
<b>Race/ethnicity</b>	Hispanic/Latino	417	24.2%	2.9	415	24.8%	2.9	424	25.9%	2.9	444	26.6%	3.0	410	25.0%	2.7
	American Indian/Alaska Native	2	0.1%	1.2	3	0.2%	1.8	8	0.5%	4.7	2	0.1%	1.2	3	0.2%	1.7
	Asian	29	1.7%	0.6	24	1.4%	0.5	21	1.3%	0.4	27	1.6%	0.5	36	2.2%	0.7
	Black/African American	400	23.3%	18.2	356	21.2%	16.1	358	21.9%	16.2	358	21.4%	16.1	377	23.0%	16.9
	Native Hawaiian/Other Pacific Islander	2	0.1%	1.5	0	0.0%	0.0	3	0.2%	2.2	1	0.1%	0.7	3	0.2%	2.1
	White	790	45.9%	5.3	795	47.4%	5.3	734	44.8%	4.9	748	44.7%	5.0	723	44.0%	4.8
	Multiple races	80	4.7%	8.5	83	5.0%	8.6	90	5.5%	9.1	92	5.5%	9.0	90	5.5%	8.6
<b>Gender</b>	Male	1,464	85.1%	7.8	1,412	84.2%	7.5	1,399	85.4%	7.4	1,434	85.8%	7.5	1,413	86.1%	7.3
	Female	237	13.8%	1.3	241	14.4%	1.3	215	13.1%	1.1	216	12.9%	1.1	208	12.7%	1.1
	Transgender: Male-to-female	19	1.1%	—	23	1.4%	—	23	1.4%	—	22	1.3%	—	20	1.2%	—
	Transgender: Female-to-male	0	0.0%	—	0	0.0%	—	1	0.1%	—	0	0.0%	—	0	0.0%	—
	Alternative gender identity	0	0.0%	—	0	0.0%	—	0	0.0%	—	0	0.0%	—	1	0.0%	—
<b>Total</b>	<b>1,720</b>		<b>4.6</b>	<b>1,676</b>		<b>4.4</b>	<b>1,638</b>		<b>4.3</b>	<b>1,672</b>		<b>4.3</b>	<b>1,642</b>		<b>4.2</b>	

Note: Rates are per 100,000 population. Dash (—) indicates rates not calculated due to unknown population denominators.

Table 3b. Deaths of persons with diagnosed HIV infection, by year and transmission category, 2011–2015 — California

Demographic group	Transmission category	2011		2012		2013		2014		2015	
		N	%	N	%	N	%	N	%	N	%
<b>Male adult or adolescent</b> (≥12 years old at year end)	Male-to-male sexual contact (MSM)	884	59.6%	890	62.0%	912	64.1%	936	64.3%	889	62.0%
	Injection drug use (IDU)	162	10.9%	165	11.5%	158	11.1%	138	9.5%	149	10.4%
	MSM and IDU	237	16.0%	206	14.4%	195	13.7%	220	15.1%	221	15.4%
	High-risk heterosexual contact	47	3.2%	46	3.2%	45	3.2%	47	3.2%	57	4.0%
	Heterosexual contact (non-high-risk)	59	4.0%	41	2.9%	49	3.4%	44	3.0%	44	3.1%
	Perinatal	2	0.1%	5	0.3%	2	0.1%	2	0.1%	1	0.1%
	Unknown risk	85	5.7%	76	5.3%	55	3.9%	65	4.5%	64	4.5%
	Other	7	0.5%	6	0.4%	6	0.4%	4	0.3%	9	0.6%
	<b>Subtotal</b>	<b>1,483</b>	<b>86.2%</b>	<b>1,435</b>	<b>85.6%</b>	<b>1,422</b>	<b>86.8%</b>	<b>1,456</b>	<b>87.1%</b>	<b>1,434</b>	<b>87.3%</b>
<b>Female adult or adolescent</b> (≥12 years old at year end)	Injection drug use	105	44.3%	92	38.2%	104	48.1%	88	40.7%	94	45.2%
	High-risk heterosexual contact	89	37.6%	90	37.3%	75	34.7%	86	39.8%	67	32.2%
	Heterosexual contact (non-high-risk)	25	10.5%	36	14.9%	25	11.6%	25	11.6%	28	13.5%
	Perinatal	2	0.8%	3	1.2%	0	0.0%	0	0.0%	2	1.0%
	Unknown risk	15	6.3%	18	7.5%	12	5.6%	16	7.4%	14	6.7%
	Other	1	0.4%	2	0.8%	0	0.0%	1	0.5%	3	1.4%
	<b>Subtotal</b>	<b>237</b>	<b>13.8%</b>	<b>241</b>	<b>14.4%</b>	<b>216</b>	<b>13.2%</b>	<b>216</b>	<b>12.9%</b>	<b>208</b>	<b>12.7%</b>
<b>Child</b> (<12 years old at year end)	Perinatal	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	<b>Subtotal</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>
<b>Total</b>		<b>1,720</b>		<b>1,676</b>		<b>1,638</b>		<b>1,672</b>		<b>1,642</b>	

Note: Transmission category classified by sex-at-birth. High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex-at-birth who is HIV-positive or has a high HIV risk (e.g., MSM, IDU). Heterosexual contact (non-high-risk): heterosexual intercourse with a person of the opposite sex-at-birth who does not have a high HIV risk. Other includes exposure to blood transfusion or blood products, receiving a transplant, occupational exposure, and other unspecified risks.

Table 3c. Deaths of persons with diagnosed HIV infection, by year and local health jurisdiction, 2011–2015 — California

County of residence	2011			2012			2013			2014			2015		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	71	4.1%	4.7	72	4.3%	4.7	86	5.3%	5.5	73	4.4%	4.6	80	4.9%	5.0
Alpine	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Amador	1	0.1%	2.6	2	0.1%	5.4	2	0.1%	5.4	1	0.1%	2.7	1	0.1%	2.7
Butte	7	0.4%	3.2	8	0.5%	3.6	5	0.3%	2.3	9	0.5%	4.0	9	0.5%	4.0
Calaveras	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	2.2	1	0.1%	2.2	0	0.0%	0.0
Colusa	1	0.1%	4.6	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Contra Costa	54	3.1%	5.1	26	1.6%	2.4	20	1.2%	1.8	19	1.1%	1.7	39	2.4%	3.5
Del Norte	0	0.0%	0.0	1	0.1%	3.5	1	0.1%	3.5	1	0.1%	3.5	1	0.1%	3.5
El Dorado	5	0.3%	2.8	0	0.0%	0.0	4	0.2%	2.2	2	0.1%	1.1	2	0.1%	1.1
Fresno	37	2.2%	3.9	27	1.6%	2.8	39	2.4%	4.1	35	2.1%	3.6	32	1.9%	3.3
Glenn	1	0.1%	3.5	0	0.0%	0.0	0	0.0%	0.0	2	0.1%	6.9	0	0.0%	0.0
Humboldt	6	0.3%	4.4	4	0.2%	2.9	6	0.4%	4.4	2	0.1%	1.5	10	0.6%	7.3
Imperial	6	0.3%	3.4	2	0.1%	1.1	5	0.3%	2.8	5	0.3%	2.7	1	0.1%	0.5
Inyo	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	5.2
Kern	33	1.9%	3.9	22	1.3%	2.6	29	1.8%	3.3	23	1.4%	2.6	23	1.4%	2.6
Kings	1	0.1%	0.7	1	0.1%	0.7	1	0.1%	0.7	2	0.1%	1.3	0	0.0%	0.0
Lake	0	0.0%	0.0	7	0.4%	10.8	1	0.1%	1.5	3	0.2%	4.6	1	0.1%	1.5
Lassen	0	0.0%	0.0	1	0.1%	2.9	1	0.1%	2.9	0	0.0%	0.0	0	0.0%	0.0
Los Angeles	598	34.8%	6.1	584	34.8%	5.9	611	37.3%	6.1	639	38.2%	6.3	595	36.2%	5.9
Madera	4	0.2%	2.6	3	0.2%	2.0	5	0.3%	3.3	3	0.2%	1.9	0	0.0%	0.0
Marin	9	0.5%	3.5	14	0.8%	5.5	4	0.2%	1.6	9	0.5%	3.5	16	1.0%	6.2
Mariposa	0	0.0%	0.0	1	0.1%	0.0	2	0.1%	11.0	0	0.0%	0.0	0	0.0%	0.0
Mendocino	2	0.1%	2.3	3	0.2%	3.4	3	0.2%	3.4	3	0.2%	3.4	1	0.1%	1.1
Merced	3	0.2%	1.2	4	0.2%	1.5	2	0.1%	0.8	10	0.6%	3.8	4	0.2%	1.5
Modoc	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Mono	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Monterey	7	0.4%	1.7	15	0.9%	3.6	8	0.5%	1.9	7	0.4%	1.6	12	0.7%	2.8
Napa	2	0.1%	1.4	6	0.4%	4.3	4	0.2%	2.9	5	0.3%	3.5	4	0.2%	2.8
Nevada	1	0.1%	1.0	2	0.1%	2.0	1	0.1%	1.0	2	0.1%	2.0	2	0.1%	2.0
Orange	90	5.2%	3.0	87	5.2%	2.8	69	4.2%	2.2	66	3.9%	2.1	75	4.6%	2.4
Placer	2	0.1%	0.6	3	0.2%	0.8	3	0.2%	0.8	4	0.2%	1.1	5	0.3%	1.3
Plumas	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Riverside	103	6.0%	4.6	107	6.4%	4.8	95	5.8%	4.2	115	6.9%	5.0	106	6.5%	4.6
Sacramento	48	2.8%	3.4	64	3.8%	4.5	49	3.0%	3.4	62	3.7%	4.2	42	2.6%	2.8
San Benito	0	0.0%	0.0	2	0.1%	3.5	1	0.1%	1.7	0	0.0%	0.0	0	0.0%	0.0
San Bernardino	51	3.0%	2.5	58	3.5%	2.8	54	3.3%	2.6	63	3.8%	3.0	59	3.6%	2.8
San Diego	152	8.8%	4.9	127	7.6%	4.0	133	8.1%	4.2	122	7.3%	3.8	122	7.4%	3.8
San Francisco	230	13.4%	28.2	226	13.5%	27.4	226	13.8%	27.1	175	10.5%	20.8	214	13.0%	25.2
San Joaquin	27	1.6%	3.9	28	1.7%	4.0	25	1.5%	3.6	30	1.8%	4.2	30	1.8%	4.1
San Luis Obispo	6	0.3%	2.2	8	0.5%	3.0	9	0.5%	3.3	9	0.5%	3.3	7	0.4%	2.6
San Mateo	20	1.2%	2.7	15	0.9%	2.0	13	0.8%	1.8	17	1.0%	2.3	13	0.8%	1.7
Santa Barbara	6	0.3%	1.4	12	0.7%	2.8	7	0.4%	1.6	10	0.6%	2.3	7	0.4%	1.6
Santa Clara	45	2.6%	2.5	33	2.0%	1.8	33	2.0%	1.8	38	2.3%	2.0	44	2.7%	2.3
Santa Cruz	7	0.4%	2.6	12	0.7%	4.5	5	0.3%	1.8	6	0.4%	2.2	2	0.1%	0.7
Shasta	6	0.3%	3.4	5	0.3%	2.8	5	0.3%	2.8	6	0.4%	3.3	6	0.4%	3.3
Sierra	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Siskiyou	1	0.1%	2.2	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	2.2	0	0.0%	0.0
Solano	22	1.3%	5.3	18	1.1%	4.3	15	0.9%	3.5	27	1.6%	6.3	12	0.7%	2.8
Sonoma	16	0.9%	3.3	15	0.9%	3.1	10	0.6%	2.0	19	1.1%	3.8	24	1.5%	4.8
Stanislaus	8	0.5%	1.5	14	0.8%	2.7	16	1.0%	3.0	15	0.9%	2.8	11	0.7%	2.0
Sutter	0	0.0%	0.0	1	0.1%	1.0	2	0.1%	2.1	0	0.0%	0.0	1	0.1%	1.0
Tehama	3	0.2%	4.7	0	0.0%	0.0	3	0.2%	4.7	1	0.1%	1.5	0	0.0%	0.0
Trinity	0	0.0%	0.0	1	0.1%	7.3	1	0.1%	7.3	0	0.0%	0.0	0	0.0%	0.0
Tulare	7	0.4%	1.6	6	0.4%	1.3	6	0.4%	1.3	7	0.4%	1.5	9	0.5%	1.9
Tuolumne	2	0.1%	3.6	2	0.1%	3.7	2	0.1%	3.6	0	0.0%	0.0	0	0.0%	0.0
Ventura	14	0.8%	1.7	23	1.4%	2.8	10	0.6%	1.2	20	1.2%	2.4	14	0.9%	1.6
Yolo	3	0.2%	1.5	3	0.2%	1.5	3	0.2%	1.5	2	0.1%	1.0	3	0.2%	1.4
Yuba	2	0.1%	2.7	1	0.1%	1.4	2	0.1%	2.7	1	0.1%	1.3	2	0.1%	2.7
<b>Total</b>	<b>1,720</b>		<b>4.6</b>	<b>1,676</b>		<b>4.4</b>	<b>1,638</b>		<b>4.3</b>	<b>1,672</b>		<b>4.3</b>	<b>1,642</b>		<b>4.2</b>
Berkeley city	2	0.1%	1.7	2	0.1%	1.7	6	0.4%	5.1	4	0.2%	3.4	5	0.3%	4.2
Long Beach city	72	4.2%	15.3	60	3.6%	12.6	78	4.8%	16.3	57	3.4%	11.8	48	2.9%	9.9
Pasadena city	9	0.5%	6.5	10	0.6%	7.2	9	0.5%	6.4	6	0.4%	4.3	10	0.6%	7.1

Note: Rates are per 100,000 population. Numbers for the city health jurisdictions of Berkeley, Long Beach and Pasadena are subsets of the numbers for the counties in which they are located (numbers on Alameda, and Los Angeles counties (above) include the respective city LHJ numbers).