



California HIV Surveillance Report — 2017

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 March 13, 2019

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 the [Office of AIDS website](#).

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 2013–2017
- Number and rate of all persons living with diagnosed HIV infection during 2013–2017
- Number and rate of deaths among persons with diagnosed HIV infection during 2013–2017

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

Summary

- From 2013 through 2017, the annual number of new HIV diagnoses increased while the rate of HIV infection declined in California. The number of new diagnoses increased by 0.8% — from 4,752 in 2013 to 4,791 in 2017, while the rate of new diagnoses per 100,000 population declined by 2.4%, from 12.4 to 12.1 during the same time period.
- From 2013 through 2017, the number of persons in California living with diagnosed HIV infection increased from approximately 124,235 to over 135,000. In 2017, the prevalence rate of diagnosed HIV infection was 340.3 per 100,000 population, compared to 323.8 in 2013— an increase of 5.1%.
- Of the 135,082 people living with diagnosed HIV infection in 2017, 73.6% were in HIV care and 63.3% achieved viral suppression. California's Integrated Plan objectives are to increase the percentage of Californians with diagnosed HIV infection who are in HIV medical care to at least 90% and increase viral suppression to 80% by 2021.
- From 2013 through 2017, the annual number of deaths of persons with diagnosed HIV infection in California increased from 1,735 to 1,874. In 2017, the crude death rate of persons with diagnosed HIV infection was 4.7 per 100,000 population — a 4.4% increase since 2013. 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 — 2017.

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Technical Notes

The information presented in this report is based on HIV surveillance data reported to the OA through January 9, 2019, 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 at death.

Gender: Persons were classified as being transgender if a case report form affirming their transgender status was present in HIV surveillance data by January 9, 2019. Otherwise individuals were classified according to their sex-at-birth.

Race and ethnicity: Hispanic/Latinx 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 (MMSC) *and* injection drug use (IDU), MMSC 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-HRH 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 MMSC; 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 IDU. Persons whose transmission category is classified as 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., MMSC, IDU). The transmission category heterosexual contact 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 MMSC. 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 2d 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, January 2018). 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, 2011-2018, with 2010 Census Benchmark. Sacramento, California, May 2018*. Dashes (—) indicate where rates could not be calculated due to unknown population denominators.

In Care: Persons who had at least one CD4, viral load, or HIV-1 genotype test during the calendar year were considered to be in care.

Viral Suppression: Persons whose most recent HIV viral load test result during the calendar year was ≤ 200 copies/ml were considered to be virally suppressed.

Table 1a. Persons newly diagnosed with HIV infection, by year of diagnosis and selected demographic characteristics, 2013–2017 — California

Characteristic	2013			2014			2015			2016			2017			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
Age at diagnosis (in years)	0 to 11	20	0.4%	0.3	16	0.3%	0.3	10	0.2%	0.2	11	0.2%	0.2	5	0.1%	0.1
	12 to 14	6	0.1%	0.4	6	0.1%	0.4	1	0.0%	0.1	3	0.1%	0.2	4	0.1%	0.3
	15 to 17	26	0.5%	1.6	30	0.6%	1.9	31	0.6%	2.0	30	0.6%	1.9	32	0.7%	2.1
	18 to 19	120	2.5%	9.5	111	2.1%	8.8	132	2.6%	10.4	124	2.4%	9.9	126	2.6%	10.2
	20 to 24	708	14.9%	24.4	854	16.4%	28.8	886	17.2%	29.6	859	16.6%	28.3	788	16.4%	25.9
	25 to 29	825	17.4%	31.7	972	18.6%	38.0	984	19.1%	39.0	1,037	20.0%	41.0	960	20.0%	37.3
	30 to 34	730	15.4%	26.6	808	15.5%	29.1	765	14.8%	27.7	773	14.9%	28.3	750	15.7%	27.9
	35 to 39	542	11.4%	21.5	591	11.3%	23.3	580	11.2%	22.5	606	11.7%	23.0	572	11.9%	21.3
	40 to 44	530	11.2%	20.1	546	10.5%	20.9	486	9.4%	18.9	467	9.0%	18.5	433	9.0%	17.2
	45 to 49	492	10.4%	19.0	473	9.1%	18.3	471	9.1%	18.0	427	8.2%	16.2	385	8.0%	14.6
	50 to 54	333	7.0%	12.6	370	7.1%	13.9	380	7.4%	14.4	411	7.9%	15.8	332	6.9%	12.9
	55 to 59	222	4.7%	9.2	235	4.5%	9.6	215	4.2%	8.6	230	4.4%	9.1	208	4.3%	8.1
	60 to 64	110	2.3%	5.4	119	2.3%	5.7	118	2.3%	5.5	110	2.1%	5.0	115	2.4%	5.1
	65 to 74	75	1.6%	2.8	75	1.4%	2.6	81	1.6%	2.7	80	1.5%	2.5	68	1.4%	2.1
	≥ 75	13	0.3%	0.6	11	0.2%	0.5	16	0.3%	0.7	14	0.3%	0.6	13	0.3%	0.5
Race/ethnicity	Hispanic/Latinx	2,039	42.9%	13.8	2,352	45.1%	15.7	2,276	44.1%	15.0	2,356	45.5%	15.3	2,232	46.6%	14.3
	American Indian/Alaska Native	12	0.3%	7.3	10	0.2%	6.0	16	0.3%	9.7	17	0.3%	10.3	18	0.4%	10.8
	Asian	291	6.1%	5.8	354	6.8%	7.0	317	6.1%	6.2	335	6.5%	6.5	344	7.2%	6.7
	Black/African American	798	16.8%	35.9	832	15.9%	37.3	899	17.4%	40.0	957	18.5%	42.3	802	16.7%	35.2
	Native Hawaiian/Other Pacific Islander	13	0.3%	9.8	5	0.1%	3.8	13	0.3%	9.9	12	0.2%	9.1	12	0.3%	9.1
	White	1,416	29.8%	9.4	1,479	28.3%	9.8	1,449	28.1%	9.6	1,340	25.9%	8.8	1,245	26.0%	8.2
	Multiple races	183	3.9%	18.1	185	3.5%	17.7	186	3.6%	17.2	165	3.2%	14.8	138	2.9%	12.0
Gender	Cisgender men	4,154	87.4%	21.8	4,544	87.1%	23.6	4,536	88.0%	23.3	4,477	86.4%	22.9	4,188	87.4%	21.2
	Cisgender women	526	11.1%	2.7	606	11.6%	3.1	542	10.5%	2.8	611	11.8%	3.1	526	11.0%	2.6
	Transgender women	70	1.5%	-	66	1.3%	-	73	1.4%	-	89	1.7%	-	72	1.5%	-
	Transgender men	2	0.0%	-	1	0.0%	-	5	0.1%	-	5	0.1%	-	5	0.1%	-
	Alternative Gender Identity	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Total	4,752		12.4	5,217		13.5	5,156		13.2	5,182		13.2	4,791		12.1	

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 1b. Persons newly diagnosed with HIV infection, by year of diagnosis and transmission category, 2013–2017 — California

Demographic group	Transmission category	2013		2014		2015		2016		2017	
		N	%	N	%	N	%	N	%	N	%
Male adult or adolescent (≥12 years old at diagnosis)	Male-to-male sexual contact (MMSC)	3,247	77.0%	3,497	76.0%	3,490	75.8%	3,355	73.6%	3,039	71.4%
	Injection drug use (IDU)	141	3.3%	156	3.4%	141	3.1%	140	3.1%	146	3.4%
	MMSCIDU	179	4.2%	185	4.0%	169	3.7%	172	3.8%	177	4.2%
	High-risk heterosexual contact	141	3.3%	143	3.1%	107	2.3%	133	2.9%	109	2.6%
	Heterosexual contact (non-high-risk)	263	6.2%	286	6.2%	323	7.0%	360	7.9%	324	7.6%
	Perinatal	0	0.0%	2	0.0%	1	0.0%	0	0.0%	0	0.0%
	Unknown risk	246	5.8%	334	7.3%	375	8.1%	401	8.8%	461	10.8%
	Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	0.0%
	Subtotal	4,217	88.7%	4,603	88.2%	4,606	89.3%	4,561	88.0%	4,257	88.9%
Female adult or adolescent (≥12 years old at diagnosis)	Injection drug use	58	11.3%	65	10.9%	63	11.7%	62	10.2%	77	14.6%
	High-risk heterosexual contact	223	43.3%	234	39.1%	201	37.2%	197	32.3%	177	33.5%
	Heterosexual contact (non-high-risk)	170	33.0%	240	40.1%	220	40.7%	270	44.3%	211	39.9%
	Perinatal	1	0.2%	2	0.3%	0	0.0%	2	0.3%	1	0.2%
	Unknown risk	63	12.2%	57	9.5%	56	10.4%	79	13.0%	63	11.9%
	Subtotal	515	10.8%	598	11.5%	540	10.5%	610	11.8%	529	11.0%
Child (<12 years old at diagnosis)	Perinatal (Born in CA)	2	10.0%	4	25.0%	3	30.0%	4	36.4%	4	80.0%
	Perinatal (Born in other US States)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Perinatal (Foreign-born)	11	55.0%	7	43.8%	4	40.0%	3	27.3%	1	20.0%
	Perinatal (Unrecorded birth country)	1	5.0%	1	6.3%	0	0.0%	1	9.1%	0	0.0%
	Unknown risk	6	30.0%	4	25.0%	3	30.0%	2	18.2%	0	0.0%
	Other	0	0.0%	0	0.0%	0	0.0%	1	9.1%	0	0.0%
	Subtotal	20	0.4%	16	0.3%	10	0.2%	11	0.2%	5	0.1%
	Total	4,752		5,217		5,156		5,182		4,791	

Note: Transmission category classified by sex-at-birth. High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex-at-birth who has a high risk of HIV (e.g., MMSC, IDU). Heterosexual contact (non-high-risk): heterosexual intercourse with a person of the opposite sex-at-birth who does not have a high risk for HIV. Other includes hemophilia, blood transfusion, and risk factor not reported or not identified. The number of perinatal diagnoses in a given year do not reflect the number of transmissions during that year since some cases are not diagnosed at birth. Perinatal children who were less than 12 years old at diagnosis and were exposed to HIV perinatally are further categorized by the country of birth.

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Table 1c. Persons newly diagnosed with HIV infection, by year of diagnosis and local health jurisdiction, 2013–2017 — California

County of residence at diagnosis	2013			2014			2015			2016			2017		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	218	4.6%	13.8	211	4.0%	13.2	264	5.1%	16.3	268	5.2%	16.4	206	4.3%	12.4
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	2	0.0%	5.3	0	0.0%	0.0	1	0.0%	2.7	2	0.0%	5.4	1	0.0%	2.7
Butte	8	0.2%	3.6	8	0.2%	3.6	8	0.2%	3.6	14	0.3%	6.2	7	0.1%	3.1
Calaveras	3	0.1%	6.6	3	0.1%	6.7	1	0.0%	2.2	1	0.0%	2.2	0	0.0%	0.0
Colusa	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	4.5	1	0.0%	4.5	2	0.0%	8.8
Contra Costa	72	1.5%	6.6	107	2.1%	9.7	92	1.8%	8.2	119	2.3%	10.5	107	2.2%	9.4
Del Norte	0	0.0%	0.0	0	0.0%	0.0	2	0.0%	7.4	0	0.0%	0.0	0	0.0%	0.0
El Dorado	4	0.1%	2.2	4	0.1%	2.2	7	0.1%	3.8	4	0.1%	2.2	8	0.2%	4.3
Fresno	89	1.9%	9.3	111	2.1%	11.5	102	2.0%	10.4	134	2.6%	13.5	158	3.3%	15.8
Glenn	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	3.5	2	0.0%	6.9	2	0.0%	6.8
Humboldt	4	0.1%	3.0	6	0.1%	4.5	9	0.2%	6.7	6	0.1%	4.4	4	0.1%	2.9
Imperial	20	0.4%	11.1	19	0.4%	10.4	19	0.4%	10.3	14	0.3%	7.5	40	0.8%	21.1
Inyo	0	0.0%	0.0	3	0.1%	16.1	1	0.0%	5.4	2	0.0%	10.7	2	0.0%	10.7
Kern	109	2.3%	12.5	110	2.1%	12.5	120	2.3%	13.6	106	2.0%	11.9	152	3.2%	16.9
Kings	12	0.3%	8.0	8	0.2%	5.4	8	0.2%	5.3	8	0.2%	5.4	19	0.4%	12.6
Lake	1	0.0%	1.5	2	0.0%	3.1	2	0.0%	3.1	1	0.0%	1.5	4	0.1%	6.1
Lassen	0	0.0%	0.0	0	0.0%	0.0	3	0.1%	9.7	1	0.0%	3.3	2	0.0%	6.5
Los Angeles	1,818	38.3%	18.1	2,133	40.9%	21.1	2,095	40.6%	20.6	1,982	38.2%	19.4	1,731	36.1%	16.8
Madera	7	0.1%	4.6	13	0.2%	8.4	6	0.1%	3.9	7	0.1%	4.5	14	0.3%	8.9
Marin	14	0.3%	5.4	24	0.5%	9.2	23	0.4%	8.8	29	0.6%	11.0	16	0.3%	6.1
Mariposa	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	5.5	1	0.0%	5.5
Mendocino	2	0.0%	2.3	5	0.1%	5.6	3	0.1%	3.4	3	0.1%	3.4	4	0.1%	4.5
Merced	13	0.3%	4.9	15	0.3%	5.6	21	0.4%	7.8	21	0.4%	7.7	26	0.5%	9.4
Modoc	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	10.5	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	2	0.0%	14.5
Monterey	29	0.6%	6.8	24	0.5%	5.6	32	0.6%	7.3	41	0.8%	9.3	46	1.0%	10.3
Napa	5	0.1%	3.6	10	0.2%	7.1	4	0.1%	2.8	12	0.2%	8.4	7	0.1%	4.9
Nevada	6	0.1%	6.1	5	0.1%	5.1	2	0.0%	2.0	4	0.1%	4.1	3	0.1%	3.0
Orange	304	6.4%	9.8	285	5.5%	9.1	328	6.4%	10.4	350	6.8%	11.0	315	6.6%	9.8
Placer	13	0.3%	3.6	13	0.2%	3.5	13	0.3%	3.5	20	0.4%	5.3	18	0.4%	4.7
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	236	5.0%	10.4	263	5.0%	11.4	273	5.3%	11.7	296	5.7%	12.5	275	5.7%	11.5
Sacramento	171	3.6%	11.7	184	3.5%	12.5	162	3.1%	10.9	188	3.6%	12.5	156	3.3%	10.2
San Benito	1	0.0%	1.8	1	0.0%	1.7	4	0.1%	6.9	1	0.0%	1.7	8	0.2%	13.7
San Bernardino	189	4.0%	9.0	220	4.2%	10.4	193	3.7%	9.1	221	4.3%	10.3	248	5.2%	11.4
San Diego	485	10.2%	15.1	503	9.6%	15.5	496	9.6%	15.1	514	9.9%	15.6	413	8.6%	12.4
San Francisco	397	8.4%	47.1	327	6.3%	38.3	297	5.8%	34.4	266	5.1%	30.5	247	5.2%	28.1
San Joaquin	79	1.7%	11.2	71	1.4%	9.9	73	1.4%	10.0	54	1.0%	7.3	63	1.3%	8.4
San Luis Obispo	17	0.4%	6.2	10	0.2%	3.6	17	0.3%	6.1	18	0.3%	6.5	9	0.2%	3.2
San Mateo	51	1.1%	6.8	70	1.3%	9.3	65	1.3%	8.5	58	1.1%	7.6	56	1.2%	7.2
Santa Barbara	19	0.4%	4.4	26	0.5%	5.9	23	0.4%	5.2	29	0.6%	6.5	26	0.5%	5.8
Santa Clara	137	2.9%	7.3	165	3.2%	8.7	158	3.1%	8.3	139	2.7%	7.2	156	3.3%	8.0
Santa Cruz	13	0.3%	4.8	22	0.4%	8.1	12	0.2%	4.4	20	0.4%	7.2	7	0.1%	2.5
Shasta	9	0.2%	5.0	8	0.2%	4.5	3	0.1%	1.7	8	0.2%	4.5	2	0.0%	1.1
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	0	0.0%	0.0	2	0.0%	4.5	2	0.0%	4.5	3	0.1%	6.8	0	0.0%	0.0
Solano	27	0.6%	6.4	55	1.1%	12.9	35	0.7%	8.2	31	0.6%	7.1	34	0.7%	7.7
Sonoma	37	0.8%	7.5	30	0.6%	6.0	30	0.6%	6.0	39	0.8%	7.7	30	0.6%	5.9
Stanislaus	38	0.8%	7.2	39	0.7%	7.3	31	0.6%	5.8	32	0.6%	5.9	53	1.1%	9.6
Sutter	6	0.1%	6.2	1	0.0%	1.0	1	0.0%	1.0	9	0.2%	9.2	6	0.1%	6.1
Tehama	1	0.0%	1.6	0	0.0%	0.0	1	0.0%	1.6	1	0.0%	1.6	3	0.1%	4.7
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	30	0.6%	6.6	35	0.7%	7.6	32	0.6%	6.9	34	0.7%	7.3	18	0.4%	3.8
Tuolumne	1	0.0%	1.8	0	0.0%	0.0	2	0.0%	3.7	1	0.0%	1.8	0	0.0%	0.0
Ventura	46	1.0%	5.5	54	1.0%	6.4	51	1.0%	6.0	46	0.9%	5.4	71	1.5%	8.3
Yolo	6	0.1%	2.9	10	0.2%	4.8	22	0.4%	10.3	18	0.3%	8.3	10	0.2%	4.5
Yuba	3	0.1%	4.0	2	0.0%	2.7	4	0.1%	5.3	3	0.1%	3.9	3	0.1%	3.9
Total	4,752		12.4	5,217		13.5	5,156		13.2	5,182		13.2	4,791		12.1
Berkeley city	13	0.3%	11.1	21	0.4%	17.7	24	0.5%	19.9	22	0.4%	18.1	14	0.3%	11.4
Long Beach city	134	2.8%	28.6	127	2.4%	27.0	139	2.7%	29.5	131	2.5%	27.9	117	2.4%	24.9
Pasadena city	27	0.6%	19.3	23	0.4%	16.4	32	0.6%	22.6	20	0.4%	14.1	18	0.4%	12.6

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). All counts are based on the availability of resident county in the database at the time of diagnosis.

Table 2a. Persons living with diagnosed HIV infection, by year and selected demographic characteristics, 2013–2017 — California

Characteristic	2013			2014			2015			2016			2017			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
Age at year end (years)	0 to11	156	0.1%	2.6	152	0.1%	2.5	139	0.1%	2.3	124	0.1%	2.0	110	0.1%	1.8
	12 to 14	73	0.1%	4.7	72	0.1%	4.7	69	0.1%	4.5	82	0.1%	5.4	78	0.1%	5.1
	15 to 17	142	0.1%	9.0	129	0.1%	8.3	124	0.1%	8.0	112	0.1%	7.2	98	0.1%	6.3
	18 to 19	283	0.2%	22.5	247	0.2%	19.5	255	0.2%	20.1	249	0.2%	20.0	239	0.2%	19.3
	20 to 24	3,008	2.4%	103.8	3,074	2.4%	103.8	3,098	2.4%	103.3	3,088	2.3%	101.7	2,950	2.2%	96.8
	25 to 29	6,980	5.6%	267.9	7,301	5.8%	285.7	7,491	5.8%	297.2	7,805	5.9%	308.5	7,821	5.8%	304.1
	30 to 34	9,544	7.7%	348.2	9,820	7.8%	353.5	10,072	7.8%	364.2	10,432	7.8%	381.9	10,726	7.9%	399.7
	35 to 39	10,968	8.8%	435.1	11,140	8.8%	438.4	11,436	8.8%	443.3	11,943	9.0%	454.3	12,178	9.0%	453.4
	40 to 44	15,848	12.8%	599.9	14,739	11.7%	563.6	13,630	10.5%	530.6	13,036	9.8%	515.2	12,839	9.5%	509.1
	45 to 49	22,200	17.9%	855.8	20,855	16.5%	806.0	19,975	15.4%	765.5	19,160	14.4%	726.9	18,009	13.3%	680.6
	50 to 54	22,495	18.1%	852.2	23,348	18.5%	879.1	23,887	18.5%	904.4	23,746	17.9%	910.7	23,054	17.1%	893.7
	55 to 59	15,495	12.5%	642.0	16,471	13.0%	669.5	17,778	13.7%	709.2	19,222	14.5%	757.6	20,467	15.2%	800.6
	60 to 64	9,304	7.5%	460.9	10,184	8.1%	489.6	11,118	8.6%	517.8	12,248	9.2%	553.6	13,331	9.9%	585.7
	65 to 74	6,610	5.3%	243.5	7,520	6.0%	262.5	8,675	6.7%	287.5	9,826	7.4%	311.4	11,071	8.2%	336.2
≥ 75	1,129	0.9%	53.6	1,324	1.0%	61.2	1,569	1.2%	70.2	1,835	1.4%	79.6	2,111	1.6%	88.3	
Race/ethnicity	Hispanic/Latinx	41,881	33.7%	283.5	43,571	34.5%	290.3	45,211	35.0%	297.2	47,180	35.5%	306.1	48,769	36.1%	312.3
	American Indian/Alaska Native	360	0.3%	218.1	356	0.3%	215.2	357	0.3%	215.7	370	0.3%	223.4	376	0.3%	225.9
	Asian	4,207	3.4%	84.3	4,511	3.6%	89.4	4,774	3.7%	93.8	5,081	3.8%	99.2	5,396	4.0%	104.6
	Black/African American	21,631	17.4%	974.4	21,925	17.3%	981.7	22,315	17.3%	993.0	22,885	17.2%	1,012.3	23,237	17.2%	1,019.0
	Native Hawaiian/Other Pacific Islander	227	0.2%	171.6	231	0.2%	174.6	242	0.2%	183.4	252	0.2%	191.7	255	0.2%	194.4
	White	52,010	41.9%	344.9	51,770	41.0%	342.6	52,312	40.5%	345.7	52,963	39.8%	349.6	52,878	39.1%	348.1
	Multiple races	3,915	3.2%	386.9	4,008	3.2%	383.2	4,101	3.2%	380.0	4,173	3.1%	375.2	4,167	3.1%	363.1
	Unknown race	4	0.0%	-	4	0.0%	-	4	0.0%	-	4	0.0%	-	4	0.0%	-
Gender	Cisgender men	107,989	86.9%	565.9	109,804	86.9%	569.8	112,405	86.9%	578.4	115,540	86.9%	590.0	117,421	86.9%	594.2
	Cisgender women	14,586	11.7%	75.6	14,885	11.8%	76.5	15,161	11.7%	77.2	15,567	11.7%	78.7	15,813	11.7%	79.3
	Transgender women	1,618	1.3%	-	1,643	1.3%	-	1,704	1.3%	-	1,750	1.3%	-	1,790	1.3%	-
	Transgender men	37	0.0%	-	39	0.0%	-	42	0.0%	-	47	0.0%	-	53	0.04%	-
	Alternative Gender Identity	5	0.0%	-	5	0.0%	-	4	0.0%	-	4	0.0%	-	5	0.00%	-
	Total	124,235		323.8	126,376		326.2	129,316		331.1	132,908		337.7	135,082		340.3

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, 2013–2017 — California

Demographic group	Transmission category	2013		2014		2015		2016		2017	
		N	%	N	%	N	%	N	%	N	%
Male adult or adolescent (≥12 years old at year end)											
	Male-to-male sexual contact (MMSC)	83,680	76.4%	85,197	76.5%	87,429	76.7%	89,923	76.7%	91,436	76.7%
	Injection drug use (IDU)	5,312	4.8%	5,277	4.7%	5,242	4.6%	5,228	4.5%	5,181	4.3%
	MMSCIDU	9,825	9.0%	9,603	8.6%	9,467	8.3%	9,463	8.1%	9,294	7.8%
	High-risk heterosexual contact	3,435	3.1%	3,512	3.2%	3,548	3.1%	3,625	3.1%	3,653	3.1%
	Heterosexual contact (non-high-risk)	3,389	3.1%	3,626	3.3%	3,891	3.4%	4,200	3.6%	4,443	3.7%
	Perinatal	273	0.2%	283	0.3%	290	0.3%	297	0.3%	293	0.2%
	Unknown risk	3,355	3.1%	3,618	3.2%	3,932	3.4%	4,255	3.6%	4,623	3.9%
	Other	270	0.2%	265	0.2%	251	0.2%	246	0.2%	240	0.2%
	Subtotal	109,539	88.2%	111,381	88.1%	114,050	88.2%	117,237	88.2%	119,163	88.2%
Female adult or adolescent (≥12 years old at year end)											
	Injection drug use	2,922	20.1%	2,872	19.3%	2,820	18.6%	2,806	18.0%	2,788	17.6%
	High-risk heterosexual contact	7,704	53.0%	7,813	52.6%	7,913	52.3%	8,033	51.7%	8,098	51.2%
	Heterosexual contact (non-high-risk)	2,644	18.2%	2,850	19.2%	3,028	20.0%	3,267	21.0%	3,435	21.7%
	Perinatal	316	2.2%	322	2.2%	338	2.2%	353	2.3%	358	2.3%
	Unknown risk	802	5.5%	839	5.7%	887	5.9%	949	6.1%	994	6.3%
	Other	152	1.0%	147	1.0%	141	0.9%	139	0.9%	136	0.9%
	Subtotal	14,540	11.7%	14,843	11.7%	15,127	11.7%	15,547	11.7%	15,809	11.7%
Child (<12 years old at year end)											
	Perinatal	129	82.7%	124	81.6%	114	82.0%	103	83.1%	92	83.6%
	Unknown risk	26	16.7%	27	17.8%	24	17.3%	19	15.3%	16	14.5%
	Other	1	0.6%	1	0.7%	1	0.7%	2	1.6%	2	1.8%
	Subtotal	156	0.1%	152	0.1%	139	0.1%	124	0.1%	110	0.1%
	Total	124,235		126,376		129,316		132,908		135,082	

Note: Transmission category classified by sex-at-birth. High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex-at-birth who has a high risk of HIV (e.g., MMSC, IDU). Heterosexual contact (non-high-risk): heterosexual intercourse with a person of the opposite sex-at-birth who does not have a high risk for HIV. Other includes hemophilia, blood transfusion, and risk factor not reported or not identified.

Table 2c. Persons living with diagnosed HIV infection, by year and current local health jurisdiction, 2013–2017 — California

County of current residence	2013			2014			2015			2016			2017		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	5,859	4.7%	371.8	6,037	4.8%	377.4	6,217	4.8%	383.8	6,337	4.8%	386.9	6,419	4.8%	387.7
Alpine	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	2	0.0%	174.2	2	0.0%	175.0
Amador	53	0.0%	141.0	49	0.0%	130.9	79	0.1%	211.7	195	0.1%	524.3	219	0.2%	587.7
Butte	223	0.2%	100.3	231	0.2%	103.2	233	0.2%	103.8	264	0.2%	117.3	273	0.2%	120.5
Calaveras	31	0.0%	68.7	34	0.0%	75.5	38	0.0%	84.6	45	0.0%	100.5	45	0.0%	100.4
Colusa	5	0.0%	22.8	5	0.0%	22.6	5	0.0%	22.5	6	0.0%	26.8	11	0.0%	48.6
Contra Costa	2,236	1.8%	205.2	2,292	1.8%	207.8	2,371	1.8%	212.3	2,595	2.0%	229.7	2,648	2.0%	231.6
Del Norte	19	0.0%	69.0	17	0.0%	62.4	22	0.0%	81.1	27	0.0%	99.9	26	0.0%	96.1
El Dorado	161	0.1%	88.3	164	0.1%	89.8	164	0.1%	89.5	194	0.1%	105.3	196	0.1%	105.9
Fresno	1,649	1.3%	171.9	1,718	1.4%	177.2	1,779	1.4%	181.6	1,877	1.4%	189.8	1,969	1.5%	196.9
Glenn	12	0.0%	41.8	12	0.0%	41.6	13	0.0%	44.9	19	0.0%	65.4	22	0.0%	75.3
Humboldt	183	0.1%	135.6	190	0.2%	141.0	220	0.2%	162.9	238	0.2%	174.9	230	0.2%	168.1
Imperial	248	0.2%	137.5	259	0.2%	141.4	275	0.2%	148.4	295	0.2%	157.6	329	0.2%	173.7
Inyo	13	0.0%	69.9	18	0.0%	96.6	17	0.0%	91.2	23	0.0%	123.3	21	0.0%	112.3
Kern	1,523	1.2%	175.3	1,573	1.2%	179.4	1,615	1.2%	182.8	1,584	1.2%	178.2	1,672	1.2%	186.2
Kings	168	0.1%	111.8	167	0.1%	111.8	165	0.1%	110.2	172	0.1%	115.1	182	0.1%	121.0
Lake	96	0.1%	148.2	102	0.1%	156.5	139	0.1%	213.3	149	0.1%	228.8	146	0.1%	224.1
Lassen	21	0.0%	65.0	21	0.0%	66.0	24	0.0%	77.5	26	0.0%	84.8	26	0.0%	84.8
Los Angeles	49,567	39.9%	492.9	50,896	40.3%	502.7	51,295	39.7%	503.6	51,087	38.4%	499.4	51,487	38.1%	500.4
Madera	154	0.1%	101.2	180	0.1%	116.7	179	0.1%	115.5	183	0.1%	117.5	192	0.1%	122.1
Marin	793	0.6%	306.7	902	0.7%	345.6	852	0.7%	325.1	849	0.6%	322.5	813	0.6%	307.5
Mariposa	19	0.0%	104.7	18	0.0%	99.3	19	0.0%	105.0	20	0.0%	110.8	18	0.0%	99.7
Mendocino	170	0.1%	193.0	181	0.1%	204.5	179	0.1%	202.4	183	0.1%	205.6	180	0.1%	201.5
Merced	182	0.1%	68.7	187	0.1%	69.9	210	0.2%	77.9	271	0.2%	99.4	294	0.2%	106.6
Modoc	1	0.0%	10.4	2	0.0%	20.9	2	0.0%	21.0	2	0.0%	21.1	1	0.0%	10.6
Mono	3	0.0%	21.6	2	0.0%	14.4	5	0.0%	36.2	7	0.0%	50.8	8	0.0%	57.9
Monterey	646	0.5%	151.5	670	0.5%	155.9	672	0.5%	154.0	704	0.5%	159.6	730	0.5%	163.9
Napa	185	0.1%	132.8	196	0.2%	139.4	245	0.2%	173.1	268	0.2%	188.4	273	0.2%	191.0
Nevada	80	0.1%	81.9	83	0.1%	84.4	92	0.1%	93.7	122	0.1%	123.8	124	0.1%	125.4
Orange	6,929	5.6%	222.7	7,070	5.6%	225.3	7,167	5.5%	226.7	7,193	5.4%	226.1	7,294	5.4%	227.8
Placer	232	0.2%	63.7	241	0.2%	65.5	249	0.2%	67.2	342	0.3%	90.9	350	0.3%	91.9
Plumas	8	0.0%	40.5	8	0.0%	40.6	13	0.0%	66.4	16	0.0%	82.1	19	0.0%	97.8
Riverside	5,756	4.6%	252.8	5,977	4.7%	259.2	6,785	5.2%	291.3	8,189	6.2%	346.9	9,017	6.7%	376.4
Sacramento	3,744	3.0%	257.2	3,840	3.0%	260.5	3,946	3.1%	264.8	4,367	3.3%	289.8	4,405	3.3%	288.9
San Benito	39	0.0%	68.7	38	0.0%	66.5	38	0.0%	66.0	42	0.0%	72.4	50	0.0%	85.4
San Bernardino	3,261	2.6%	155.9	3,380	2.7%	160.0	3,575	2.8%	167.9	4,180	3.1%	194.6	4,401	3.3%	203.0
San Diego	12,571	10.1%	391.7	12,866	10.2%	396.1	12,957	10.0%	395.6	13,718	10.3%	415.6	13,900	10.3%	417.7
San Francisco	14,648	11.8%	1736.1	13,600	10.8%	1593.0	14,040	10.9%	1626.7	13,355	10.0%	1533.0	13,072	9.7%	1486.3
San Joaquin	1,201	1.0%	170.2	1,315	1.0%	183.3	1,342	1.0%	184.5	1,341	1.0%	181.5	1,344	1.0%	179.2
San Luis Obispo	645	0.5%	235.8	596	0.5%	215.9	499	0.4%	180.2	412	0.3%	147.7	424	0.3%	151.0
San Mateo	1,474	1.2%	196.9	1,513	1.2%	200.0	1,520	1.2%	198.9	1,590	1.2%	207.0	1,656	1.2%	213.7
Santa Barbara	571	0.5%	131.2	602	0.5%	136.8	610	0.5%	137.1	615	0.5%	137.2	544	0.4%	120.4
Santa Clara	3,449	2.8%	184.8	3,506	2.8%	185.4	3,488	2.7%	182.1	3,386	2.5%	175.4	3,502	2.6%	179.4
Santa Cruz	445	0.4%	164.6	463	0.4%	170.4	500	0.4%	182.0	519	0.4%	187.9	526	0.4%	189.0
Shasta	209	0.2%	116.9	213	0.2%	118.8	203	0.2%	113.5	213	0.2%	119.5	220	0.2%	123.3
Sierra	1	0.0%	31.4	2	0.0%	63.3	4	0.0%	127.1	6	0.0%	191.1	5	0.0%	159.3
Siskiyou	37	0.0%	82.9	39	0.0%	87.4	46	0.0%	103.4	60	0.0%	135.2	62	0.0%	139.9
Solano	1,158	0.9%	275.3	1,198	0.9%	281.6	1,290	1.0%	300.5	1,332	1.0%	306.8	1,317	1.0%	299.8
Sonoma	1,252	1.0%	253.2	1,287	1.0%	258.5	1,347	1.0%	268.8	1,515	1.1%	300.6	1,490	1.1%	293.7
Stanislaus	560	0.5%	106.1	600	0.5%	112.8	655	0.5%	121.7	714	0.5%	131.0	776	0.6%	140.7
Sutter	79	0.1%	81.8	79	0.1%	81.4	77	0.1%	78.9	87	0.1%	88.6	90	0.1%	90.9
Tehama	42	0.0%	65.9	39	0.0%	61.1	40	0.0%	62.5	48	0.0%	74.9	51	0.0%	79.3
Trinity	14	0.0%	102.4	15	0.0%	110.2	18	0.0%	132.7	19	0.0%	140.9	19	0.0%	141.3
Tulare	312	0.3%	68.4	334	0.3%	72.6	367	0.3%	79.2	428	0.3%	91.4	448	0.3%	94.7
Tuolumne	36	0.0%	65.6	38	0.0%	69.5	38	0.0%	69.7	45	0.0%	82.9	47	0.0%	86.7
Ventura	969	0.8%	115.0	1,004	0.8%	118.4	1,051	0.8%	123.4	1,063	0.8%	124.4	1,122	0.8%	130.7
Yolo	232	0.2%	111.4	244	0.2%	116.3	256	0.2%	120.4	280	0.2%	129.1	284	0.2%	129.0
Yuba	61	0.0%	82.0	63	0.0%	84.0	69	0.1%	91.3	89	0.1%	116.9	91	0.1%	118.3
Total	124,235		323.8	126,376		326.2	129,316		331.1	132,908		337.7	135,082		340.3
Berkeley city	455	0.4%	388.7	480	0.4%	404.2	492	0.4%	407.9	503	0.4%	414.9	488	0.4%	398.9
Long Beach city	4,663	3.8%	993.9	4,686	3.7%	996.1	4,678	3.6%	992.3	4,579	3.4%	974.0	4,510	3.3%	960.7
Pasadena city	590	0.5%	422.5	606	0.5%	433.1	597	0.5%	422.1	583	0.4%	410.4	586	0.4%	410.8

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). All counts are based on the availability of resident county in the database at the time of diagnosis.

Table 2d. Continuum of HIV care for persons living with diagnosed HIV infection, 2017 — California

Jurisdiction of residence (by name)	No. people living and diagnosed with HIV		In care		Virally suppressed	
	N	%	N	%	N	%
2021 California Integrated Plan Objective				90.0%		80.0%
California	135,082	99,476	73.6%	85,492	63.3%	
Alameda	6,419	5,151	80.2%	4,496	70.0%	
Alpine	2	2	100.0%	2	100.0%	
Amador	219	207	94.5%	192	87.7%	
Berkeley	488	401	82.2%	349	71.5%	
Butte	273	228	83.5%	203	74.4%	
Calaveras	45	38	84.4%	28	62.2%	
Colusa	11	9	81.8%	7	63.6%	
Contra Costa	2,648	2,188	82.6%	1,942	73.3%	
Del Norte	26	21	80.8%	20	76.9%	
El Dorado	196	155	79.1%	141	71.9%	
Fresno	1,969	1,563	79.4%	1,304	66.2%	
Glenn	22	20	90.9%	17	77.3%	
Humboldt	230	178	77.4%	159	69.1%	
Imperial	329	211	64.1%	183	55.6%	
Inyo	21	16	76.2%	15	71.4%	
Kern	1,672	876	52.4%	554	33.1%	
Kings	182	118	64.8%	98	53.8%	
Lake	146	130	89.0%	116	79.5%	
Lassen	26	16	61.5%	16	61.5%	
Long Beach	4,510	3,200	71.0%	2,859	63.4%	
Los Angeles	51,487	35,561	69.1%	30,929	60.1%	
Madera	192	138	71.9%	115	59.9%	
Marin	813	610	75.0%	562	69.1%	
Mariposa	18	15	83.3%	13	72.2%	
Mendocino	180	144	80.0%	125	69.4%	
Merced	294	239	81.3%	193	65.6%	
Modoc	1	1	100.0%	1	100.0%	
Mono	8	6	75.0%	5	62.5%	
Monterey	730	550	75.3%	466	63.8%	
Napa	273	226	82.8%	211	77.3%	
Nevada	124	100	80.6%	83	66.9%	
Orange	7,294	4,944	67.8%	4,225	57.9%	
Pasadena	586	440	75.1%	398	67.9%	
Placer	350	289	82.6%	258	73.7%	
Plumas	19	16	84.2%	13	68.4%	
Riverside	9,017	7,500	83.2%	6,582	73.0%	
Sacramento	4,405	3,488	79.2%	3,031	68.8%	
San Benito	50	37	74.0%	33	66.0%	
San Bernardino	4,401	3,120	70.9%	2,278	51.8%	
San Diego	13,900	10,003	72.0%	8,125	58.5%	
San Francisco	13,072	10,554	80.7%	9,602	73.5%	
San Joaquin	1,344	974	72.5%	716	53.3%	
San Luis Obispo	424	256	60.4%	175	41.3%	
San Mateo	1,656	1,267	76.5%	1,041	62.9%	
Santa Barbara	544	444	81.6%	395	72.6%	
Santa Clara	3,502	2,724	77.8%	2,315	66.1%	

Table 2d. Continuum of HIV care for persons living with diagnosed HIV infection, 2017 — California (continued)

Jurisdiction of residence (by name)	No. people living and diagnosed with HIV	In care		Virally suppressed	
	N	N	%	N	%
2021 California Integrated Plan Objective			90.0%		80.0%
Santa Cruz	526	430	81.7%	349	66.4%
Shasta	220	176	80.0%	149	67.7%
Sierra	5	5	100.0%	5	100.0%
Siskiyou	62	56	90.3%	48	77.4%
Solano	1,317	963	73.1%	869	66.0%
Sonoma	1,490	1,259	84.5%	1,180	79.2%
Stanislaus	776	615	79.3%	506	65.2%
Sutter	90	68	75.6%	54	60.0%
Tehama	51	40	78.4%	34	66.7%
Trinity	19	15	78.9%	14	73.7%
Tulare	448	344	76.8%	277	61.8%
Tuolumne	47	35	74.5%	30	63.8%
Ventura	1,122	862	76.8%	762	67.9%
Yolo	284	208	73.2%	172	60.6%
Yuba	91	67	73.6%	58	63.7%

Note: Data from city local health jurisdictions Berkeley, Pasadena, and Long Beach are reported as a subset of their respective counties. Persons who had at least one CD4, viral load, or HIV-1 genotype test during the calendar year were considered to be in care. Persons whose most recent HIV viral load test result during the calendar year was ≤ 200 copies/ml were considered to be virally suppressed.

Table 3a. Deaths among persons with diagnosed HIV infection, by year and selected demographic characteristics, 2013–2017 — California

Characteristic	2013			2014			2015			2016			2017			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
Age at death (in years)	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%	0.1	0	0.0%	0.0	0	0.0%	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	1	0.1%	0.1
	18 to 19	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	0.1
	20 to 24	8	0.5%	0.3	10	0.6%	0.3	11	0.6%	0.4	10	0.5%	0.3	9	0.5%	0.3
	25 to 29	48	2.8%	1.8	27	1.5%	1.1	26	1.4%	1.0	50	2.7%	2.0	48	2.6%	1.9
	30 to 34	59	3.4%	2.2	50	2.8%	1.8	71	3.9%	2.6	65	3.5%	2.4	68	3.6%	2.5
	35 to 39	83	4.8%	3.3	79	4.5%	3.1	92	5.1%	3.6	110	5.9%	4.2	101	5.4%	3.8
	40 to 44	141	8.1%	5.3	130	7.4%	5.0	138	7.7%	5.4	99	5.3%	3.9	95	5.1%	3.8
	45 to 49	277	16.0%	10.7	255	14.5%	9.9	205	11.4%	7.9	213	11.4%	8.1	180	9.6%	6.8
	50 to 54	298	17.2%	11.3	334	18.9%	12.6	321	17.8%	12.2	321	17.2%	12.3	294	15.7%	11.4
	55 to 59	301	17.3%	12.5	308	17.5%	12.5	349	19.4%	13.9	341	18.3%	13.4	361	19.3%	14.1
	60 to 64	223	12.9%	11.0	260	14.7%	12.5	240	13.3%	11.2	280	15.0%	12.7	280	14.9%	12.3
	65 to 74	215	12.4%	7.9	240	13.6%	8.4	263	14.6%	8.7	280	15.0%	8.9	292	15.6%	8.9
≥ 75	82	4.7%	3.9	69	3.9%	3.2	87	4.8%	3.9	99	5.3%	4.3	144	7.7%	6.0	
Race/ethnicity	Hispanic/Latinx	451	26.0%	3.1	467	26.5%	3.1	459	25.5%	3.0	460	24.6%	3.0	518	27.6%	3.3
	American Indian/Alaska Native	9	0.5%	5.5	3	0.2%	1.8	5	0.3%	3.0	4	0.2%	2.4	5	0.3%	3.0
	Asian	22	1.3%	0.4	26	1.5%	0.5	37	2.1%	0.7	31	1.7%	0.6	29	1.5%	0.6
	Black/African American	361	20.8%	16.3	371	21.0%	16.6	401	22.2%	17.8	433	23.2%	19.2	377	20.1%	16.5
	Native Hawaiian/Other Pacific Islander	4	0.2%	3.0	1	0.1%	0.8	3	0.2%	2.3	2	0.1%	1.5	0	0.0%	0.0
	White	794	45.8%	5.3	800	45.4%	5.3	799	44.3%	5.3	825	44.2%	5.4	828	44.2%	5.5
	Multiple races	94	5.4%	9.3	95	5.4%	9.1	99	5.5%	9.2	113	6.0%	10.2	117	6.2%	10.2
Gender	Cisgender men	1,481	85.4%	7.8	1,514	85.9%	7.9	1,560	86.5%	8.0	1,595	85.4%	8.1	1,641	87.6%	8.3
	Cisgender women	229	13.2%	1.2	225	12.8%	1.2	219	12.1%	1.1	240	12.8%	1.2	211	11.3%	1.1
	Transgender women	24	1.4%	-	24	1.4%	-	22	1.2%	-	33	1.8%	-	22	1.2%	-
	Transgender men	1	0.1%	-	0	0.0%	-	1	0.1%	-	0	0.0%	-	0	0.0%	-
	Alternative Gender Identity	0	0.0%	-	0	0.0%	-	1	0.1%	-	0	0.0%	-	0	0.0%	-
Total	1,735		4.5	1,763		4.6	1,803		4.6	1,868		4.7	1,874		4.7	

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 3b. Deaths among persons with diagnosed HIV infection, by year and transmission category, 2013–2017 — California

Demographic group	Transmission category	2013		2014		2015		2016		2017	
		N	%	N	%	N	%	N	%	N	%
Male adult or adolescent (≥12 years old at death)	Male-to-male sexual contact (MMSC)	972	64.6%	999	65.0%	990	62.5%	1,026	63.0%	1,050	63.1%
	Injection drug use (IDU)	169	11.2%	144	9.4%	164	10.4%	161	9.9%	147	8.8%
	MMSCIDU	206	13.7%	240	15.6%	249	15.7%	232	14.3%	244	14.7%
	High-risk heterosexual contact	52	3.5%	47	3.1%	62	3.9%	58	3.6%	66	4.0%
	Heterosexual contact (non-high-risk)	50	3.3%	42	2.7%	44	2.8%	59	3.6%	62	3.7%
	Perinatal	2	0.1%	2	0.1%	2	0.1%	5	0.3%	5	0.3%
	Unknown risk	48	3.2%	60	3.9%	63	4.0%	82	5.0%	83	5.0%
	Other	6	0.4%	4	0.3%	9	0.6%	5	0.3%	6	0.4%
Subtotal		1,505	86.7%	1,538	87.2%	1,583	87.8%	1,628	87.2%	1,663	88.7%
Female adult or adolescent (≥12 years old at death)	Injection drug use	108	47.0%	97	43.1%	98	44.5%	81	33.8%	81	38.4%
	High-risk heterosexual contact	82	35.7%	86	38.2%	76	34.5%	103	42.9%	72	34.1%
	Heterosexual contact (non-high-risk)	27	11.7%	26	11.6%	31	14.1%	35	14.6%	41	19.4%
	Perinatal	0	0.0%	0	0.0%	2	0.9%	2	0.8%	1	0.5%
	Unknown risk	13	5.7%	15	6.7%	10	4.5%	17	7.1%	14	6.6%
	Other	0	0.0%	1	0.4%	3	1.4%	2	0.8%	2	0.9%
Subtotal		230	13.3%	225	12.8%	220	12.2%	240	12.8%	211	11.3%
Child (<12 years old at death)	Perinatal	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Unknown risk	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Subtotal		0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Total		1,735		1,763		1,803		1,868		1,874	

Note: Transmission category classified by sex-at-birth. High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex-at-birth who has a high risk of HIV (e.g., MMSC, IDU). Heterosexual contact (non-high-risk): heterosexual intercourse with a person of the opposite sex-at-birth who does not have a high risk for HIV. Other includes hemophilia, blood transfusion, and risk factor not reported or not identified.

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Table 3c. Deaths among persons with diagnosed HIV infection, by year and local health jurisdiction, 2013–2017 — California

County of residence at death	2013			2014			2015			2016			2017		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	93	5.4%	5.9	78	4.4%	4.9	80	4.4%	4.9	80	4.3%	4.9	81	4.3%	4.9
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	2	0.1%	5.3	1	0.1%	2.7	2	0.1%	5.4	2	0.1%	5.4	3	0.2%	8.1
Butte	5	0.3%	2.2	8	0.5%	3.6	9	0.5%	4.0	12	0.6%	5.3	7	0.4%	3.1
Calaveras	1	0.1%	2.2	1	0.1%	2.2	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	2.2
Colusa	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	4.5	0	0.0%	0.0
Contra Costa	21	1.2%	1.9	22	1.2%	2.0	40	2.2%	3.6	38	2.0%	3.4	32	1.7%	2.8
Del Norte	1	0.1%	3.6	1	0.1%	3.7	1	0.1%	3.7	1	0.1%	3.7	1	0.1%	3.7
El Dorado	4	0.2%	2.2	2	0.1%	1.1	2	0.1%	1.1	2	0.1%	1.1	3	0.2%	1.6
Fresno	40	2.3%	4.2	34	1.9%	3.5	35	1.9%	3.6	41	2.2%	4.1	46	2.5%	4.6
Glenn	0	0.0%	0.0	2	0.1%	6.9	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Humboldt	6	0.3%	4.4	2	0.1%	1.5	9	0.5%	6.7	7	0.4%	5.1	7	0.4%	5.1
Imperial	4	0.2%	2.2	7	0.4%	3.8	1	0.1%	0.5	4	0.2%	2.1	6	0.3%	3.2
Inyo	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	5.4	1	0.1%	5.4	2	0.1%	10.7
Kern	28	1.6%	3.2	23	1.3%	2.6	23	1.3%	2.6	27	1.4%	3.0	27	1.4%	3.0
Kings	0	0.0%	0.0	2	0.1%	1.3	0	0.0%	0.0	1	0.1%	0.7	5	0.3%	3.3
Lake	0	0.0%	0.0	3	0.2%	4.6	1	0.1%	1.5	6	0.3%	9.2	4	0.2%	6.1
Lassen	1	0.1%	3.1	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Los Angeles	637	36.7%	6.3	668	37.9%	6.6	695	38.5%	6.8	670	35.9%	6.5	670	35.8%	6.5
Madera	6	0.3%	3.9	2	0.1%	1.3	0	0.0%	0.0	3	0.2%	1.9	2	0.1%	1.3
Marin	7	0.4%	2.7	10	0.6%	3.8	16	0.9%	6.1	13	0.7%	4.9	13	0.7%	4.9
Mariposa	2	0.1%	11.0	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	5.5	0	0.0%	0.0
Mendocino	2	0.1%	2.3	3	0.2%	3.4	0	0.0%	0.0	5	0.3%	5.6	3	0.2%	3.4
Merced	2	0.1%	0.8	9	0.5%	3.4	4	0.2%	1.5	10	0.5%	3.7	7	0.4%	2.5
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	1	0.1%	7.2
Monterey	8	0.5%	1.9	8	0.5%	1.9	10	0.6%	2.3	11	0.6%	2.5	10	0.5%	2.2
Napa	4	0.2%	2.9	2	0.1%	1.4	4	0.2%	2.8	3	0.2%	2.1	2	0.1%	1.4
Nevada	1	0.1%	1.0	2	0.1%	2.0	2	0.1%	2.0	2	0.1%	2.0	2	0.1%	2.0
Orange	72	4.1%	2.3	77	4.4%	2.5	86	4.8%	2.7	79	4.2%	2.5	91	4.9%	2.8
Placer	3	0.2%	0.8	6	0.3%	1.6	6	0.3%	1.6	7	0.4%	1.9	5	0.3%	1.3
Plumas	1	0.1%	5.1	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Riverside	99	5.7%	4.3	114	6.5%	4.9	113	6.3%	4.9	134	7.2%	5.7	129	6.9%	5.4
Sacramento	52	3.0%	3.6	62	3.5%	4.2	46	2.6%	3.1	86	4.6%	5.7	63	3.4%	4.1
San Benito	2	0.1%	3.5	0	0.0%	0.0	1	0.1%	1.7	2	0.1%	3.4	1	0.1%	1.7
San Bernardino	62	3.6%	3.0	73	4.1%	3.5	66	3.7%	3.1	68	3.6%	3.2	88	4.7%	4.1
San Diego	153	8.8%	4.8	123	7.0%	3.8	130	7.2%	4.0	144	7.7%	4.4	130	6.9%	3.9
San Francisco	221	12.7%	26.2	185	10.5%	21.7	216	12.0%	25.0	182	9.7%	20.9	224	12.0%	25.5
San Joaquin	29	1.7%	4.1	32	1.8%	4.5	33	1.8%	4.5	30	1.6%	4.1	35	1.9%	4.7
San Luis Obispo	10	0.6%	3.7	9	0.5%	3.3	8	0.4%	2.9	7	0.4%	2.5	9	0.5%	3.2
San Mateo	12	0.7%	1.6	20	1.1%	2.6	16	0.9%	2.1	18	1.0%	2.3	8	0.4%	1.0
Santa Barbara	8	0.5%	1.8	11	0.6%	2.5	5	0.3%	1.1	9	0.5%	2.0	10	0.5%	2.2
Santa Clara	42	2.4%	2.3	41	2.3%	2.2	46	2.6%	2.4	39	2.1%	2.0	26	1.4%	1.3
Santa Cruz	5	0.3%	1.8	6	0.3%	2.2	3	0.2%	1.1	6	0.3%	2.2	7	0.4%	2.5
Shasta	6	0.3%	3.4	7	0.4%	3.9	5	0.3%	2.8	6	0.3%	3.4	1	0.1%	0.6
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	0	0.0%	0.0	1	0.1%	2.2	0	0.0%	0.0	2	0.1%	4.5	0	0.0%	0.0
Solano	21	1.2%	5.0	28	1.6%	6.6	11	0.6%	2.6	19	1.0%	4.4	26	1.4%	5.9
Sonoma	15	0.9%	3.0	26	1.5%	5.2	24	1.3%	4.8	17	0.9%	3.4	41	2.2%	8.1
Stanislaus	17	1.0%	3.2	18	1.0%	3.4	19	1.1%	3.5	19	1.0%	3.5	10	0.5%	1.8
Sutter	0	0.0%	0.0	2	0.1%	2.1	2	0.1%	2.0	3	0.2%	3.1	2	0.1%	2.0
Tehama	1	0.1%	1.6	1	0.1%	1.6	1	0.1%	1.6	0	0.0%	0.0	0	0.0%	0.0
Trinity	1	0.1%	7.3	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Tulare	8	0.5%	1.8	8	0.5%	1.7	11	0.6%	2.4	19	1.0%	4.1	12	0.6%	2.5
Tuolumne	3	0.2%	5.5	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	3	0.2%	5.5
Ventura	10	0.6%	1.2	20	1.1%	2.4	14	0.8%	1.6	25	1.3%	2.9	13	0.7%	1.5
Yolo	5	0.3%	2.4	2	0.1%	1.0	5	0.3%	2.4	4	0.2%	1.8	4	0.2%	1.8
Yuba	2	0.1%	2.7	1	0.1%	1.3	1	0.1%	1.3	2	0.1%	2.6	1	0.1%	1.3
Total	1,735		4.5	1,763		4.6	1,803		4.6	1,868		4.7	1,874		4.7
Berkeley city	9	0.5%	7.7	5	0.3%	4.2	6	0.3%	5.0	7	0.4%	5.8	10	0.5%	8.2
Long Beach city	75	4.3%	16.0	63	3.6%	13.4	63	3.5%	13.4	73	3.9%	15.5	75	4.0%	16.0
Pasadena city	9	0.5%	6.4	7	0.4%	5.0	12	0.7%	8.5	15	0.8%	10.6	3	0.2%	2.1

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 LHIJ numbers). All counts are based on the availability of resident county in the database at the time of diagnosis.