



California HIV Surveillance Report — 2018

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

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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 2014–2018
- Number and rate of all persons living with diagnosed HIV infection during 2014–2018
- Number and rate of deaths among persons with diagnosed HIV infection during 2014–2018

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 2014 through 2018, both the annual number and rate of new HIV diagnoses declined in California. The number of new diagnoses declined by 9.6% — from 5,249 in 2014 to 4,747 in 2018, while the rate of new diagnoses per 100,000 population declined by 11.9%, from 13.5 to 11.9 during the same time period.
- From 2014 through 2018, the number of persons in California living with diagnosed HIV infection increased from approximately 126,372 to over 136,000. In 2018, the prevalence rate of diagnosed HIV infection was 342.9 per 100,000 population, compared to 326.1 in 2014— an increase of 5.2%.
- Of the 136,566 people living with diagnosed HIV infection in 2018, 73.8% were in HIV care and 64.2% 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 2014 through 2018, the annual number of deaths of persons with diagnosed HIV infection in California increased from 1,774 to 1,872. In 2018, the crude death rate of persons with diagnosed HIV infection was 4.7 per 100,000 population — a 2.2% increase since 2014. Data on deaths of persons with diagnosed HIV infection represent all causes of death, and may or may not be related to HIV infection.

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Technical Notes

The information presented in this report is based on HIV surveillance data reported to the OA through January 6, 2020, 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: 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 6, 2020. 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.

Gay, bisexual, and other men who have sex with men are in the transmission category of MMSC. Transgender persons who report sexual contact are placed in the transmission category of sexual contact, regardless of IDU. 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, May 2019). For rates at the city level we used the *U.S. Census Bureau, Population Division, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2018, May 2019*. 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, 2014–2018 — California

Characteristic	2014			2015			2016			2017			2018			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
Age at diagnosis (in years)	0 to 11	16	0.3%	0.3	10	0.2%	0.2	11	0.2%	0.2	6	0.1%	0.1	5	0.1%	0.1
	12 to 14	6	0.1%	0.4	1	0.0%	0.1	3	0.1%	0.2	4	0.1%	0.3	2	0.0%	0.1
	15 to 17	29	0.6%	1.8	31	0.6%	1.9	30	0.6%	1.9	32	0.7%	2.0	29	0.6%	1.8
	18 to 19	113	2.2%	9.3	133	2.6%	11.0	130	2.5%	11.0	130	2.6%	11.1	134	2.8%	11.4
	20 to 24	861	16.4%	29.0	892	17.2%	29.6	876	16.6%	28.8	799	16.2%	26.3	754	15.9%	25.0
	25 to 29	984	18.7%	38.6	985	19.0%	39.3	1,053	20.0%	42.0	992	20.2%	38.9	983	20.7%	37.6
	30 to 34	805	15.3%	29.0	769	14.9%	27.8	777	14.8%	28.5	764	15.5%	28.6	778	16.4%	29.9
	35 to 39	598	11.4%	23.5	580	11.2%	22.5	609	11.6%	23.2	591	12.0%	22.0	559	11.8%	20.5
	40 to 44	548	10.4%	21.0	487	9.4%	18.9	473	9.0%	18.7	440	8.9%	17.5	385	8.1%	15.3
	45 to 49	474	9.0%	18.3	471	9.1%	18.0	444	8.4%	16.8	394	8.0%	14.9	408	8.6%	15.5
	50 to 54	373	7.1%	14.0	384	7.4%	14.5	412	7.8%	15.8	340	6.9%	13.1	261	5.5%	10.2
	55 to 59	236	4.5%	9.6	219	4.2%	8.7	239	4.5%	9.4	218	4.4%	8.5	217	4.6%	8.4
	60 to 64	119	2.3%	5.7	116	2.2%	5.4	112	2.1%	5.1	121	2.5%	5.3	114	2.4%	4.9
	65 to 74	76	1.4%	2.7	81	1.6%	2.7	82	1.6%	2.6	74	1.5%	2.2	99	2.1%	2.9
≥ 75	11	0.2%	0.5	16	0.3%	0.7	15	0.3%	0.7	14	0.3%	0.6	19	0.4%	0.8	
Race/ethnicity	Hispanic/Latinx	2,365	45.1%	15.8	2,298	44.4%	15.2	2,413	45.8%	15.8	2,281	46.4%	14.7	2,272	47.9%	14.5
	American Indian/Alaska Native	10	0.2%	5.9	13	0.3%	7.6	14	0.3%	8.2	17	0.3%	9.9	17	0.4%	9.9
	Asian	358	6.8%	7.1	322	6.2%	6.3	334	6.3%	6.5	352	7.2%	6.8	274	5.8%	5.2
	Black/African American	840	16.0%	37.4	899	17.4%	39.9	978	18.6%	43.3	847	17.2%	37.3	857	18.1%	37.6
	Native Hawaiian/Other Pacific Islander	5	0.1%	3.6	12	0.2%	8.5	12	0.2%	8.5	11	0.2%	7.7	17	0.4%	11.8
	White	1,487	28.3%	9.8	1,441	27.8%	9.4	1,338	25.4%	8.8	1,265	25.7%	8.3	1,187	25.0%	7.8
	Multiple races	184	3.5%	18.5	190	3.7%	18.7	177	3.4%	17.1	146	3.0%	13.9	123	2.6%	11.5
Gender	Cisgender men	4,581	87.3%	23.8	4,557	88.1%	23.4	4,558	86.6%	23.3	4,289	87.2%	21.8	4,119	86.8%	20.8
	Cisgender women	599	11.4%	3.1	538	10.4%	2.7	613	11.6%	3.1	551	11.2%	2.8	557	11.7%	2.8
	Transgender women	66	1.3%	-	75	1.4%	-	90	1.7%	-	73	1.5%	-	61	1.3%	-
	Transgender men	2	0.0%	-	5	0.1%	-	5	0.1%	-	5	0.1%	-	10	0.2%	-
	Alternative Gender Identity	1	0.0%	-	0	0.0%	-	0	0.0%	-	1	0.0%	-	0	0.0%	-
Total	5,249		13.5	5,175		13.1	5,266		13.4	4,919		12.4	4,747		11.9	

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, 2014–2018 — California

Demographic group	Transmission category	2014	%	2015	%	2016	%	2017	%	2018	%
Cisgender men (age ≥12 at diagnosis)	Male-to-male sexual contact (MMSC)	3,465	75.8%	3,448	75.7%	3,348	73.5%	3,061	71.4%	2,947	71.6%
	Injection drug use (IDU)	154	3.4%	141	3.1%	146	3.2%	152	3.5%	155	3.8%
	MMSC and IDU	189	4.1%	171	3.8%	174	3.8%	177	4.1%	176	4.3%
	High-risk heterosexual contact	144	3.1%	106	2.3%	135	3.0%	111	2.6%	103	2.5%
	Heterosexual contact (non-high-risk)	288	6.3%	318	7.0%	352	7.7%	337	7.9%	363	8.8%
	Perinatal/Unknown risk/Other	334	7.3%	370	8.1%	398	8.7%	448	10.5%	372	9.0%
	Subtotal	4,574	88.6%	4,554	89.6%	4,553	88.2%	4,286	88.7%	4,116	88.1%
Cisgender women (age ≥12 at diagnosis)	Injection drug use	67	11.4%	62	11.7%	60	9.9%	82	15.0%	71	12.8%
	High-risk heterosexual contact	235	39.8%	205	38.6%	202	33.3%	178	32.5%	173	31.2%
	Heterosexual contact (non-high-risk)	232	39.3%	210	39.5%	268	44.2%	224	40.9%	256	46.1%
	Perinatal/Unknown risk/Other	56	9.5%	54	10.2%	77	12.7%	64	11.7%	55	9.9%
	Subtotal	590	11.4%	531	10.4%	607	11.8%	548	11.3%	555	11.9%
Transgender women (age ≥12 at diagnosis)	Sexual contact	63	95.5%	70	93.3%	86	95.6%	65	89.0%	58	95.1%
	Injection drug use (IDU)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.6%
	Perinatal/Unknown risk/Other	3	4.5%	5	6.7%	4	4.4%	8	11.0%	2	3.3%
	Subtotal	66	97.1%	75	93.8%	90	94.7%	73	93.6%	61	85.9%
Transgender men (age ≥12 at diagnosis)	Sexual contact	2	100.0%	3	60.0%	4	80.0%	3	60.0%	7	70.0%
	Injection drug use	0	0.0%	1	20.0%	1	20.0%	1	20.0%	1	10.0%
	Perinatal/Unknown risk/Other	0	0.0%	1	20.0%	0	0.0%	1	20.0%	2	20.0%
	Subtotal	2	2.9%	5	6.3%	5	5.3%	5	6.4%	10	14.1%
Alternative gender (age ≥12 at diagnosis)	Sexual contact	1	100.0%	0	0.0%	0	0.0%	1	100.0%	0	0.0%
	Injection drug use	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Subtotal	1	100.0%	0	0.0%	0	0.0%	1	100.0%	0	0.0%
Child (age <12 at diagnosis)	Perinatal	12	75.0%	7	70.0%	8	72.7%	6	100.0%	3	60.0%
	Unknown risk	4	25.0%	3	30.0%	2	18.2%	0	0.0%	2	40.0%
	Other	0	0.0%	0	0.0%	1	9.1%	0	0.0%	0	0.0%
	Subtotal	16	100.0%	10	100.0%	11	100.0%	6	100.0%	5	100.0%
Total		5,249		5,175		5,266		4,919		4,747	

Note: High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex-at-birth who has a high risk for 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. Transgender persons who report sexual contact are placed in the transmission category of sexual contact, regardless of IDU. 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.

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Table 1c. Persons newly diagnosed with HIV infection, by year of diagnosis and local health jurisdiction, 2014–2018 — California

County of residence at diagnosis	2014			2015			2016			2017			2018		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	213	4.1%	13.3	262	5.1%	16.2	270	5.1%	16.5	206	4.2%	12.5	200	4.2%	12.0
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	0	0.0%	0.0	1	0.0%	2.7	2	0.0%	5.4	1	0.0%	2.7	3	0.1%	7.9
Butte	8	0.2%	3.6	8	0.2%	3.6	14	0.3%	6.2	7	0.1%	3.1	9	0.2%	4.0
Calaveras	3	0.1%	6.7	1	0.0%	2.2	1	0.0%	2.2	2	0.0%	4.5	3	0.1%	6.7
Colusa	0	0.0%	0.0	1	0.0%	4.5	1	0.0%	4.4	2	0.0%	8.8	2	0.0%	8.8
Contra Costa	107	2.0%	9.7	92	1.8%	8.2	119	2.3%	10.5	109	2.2%	9.6	112	2.4%	9.8
Del Norte	0	0.0%	0.0	2	0.0%	7.4	0	0.0%	0.0	1	0.0%	3.7	0	0.0%	0.0
El Dorado	4	0.1%	2.2	7	0.1%	3.8	4	0.1%	2.2	8	0.2%	4.3	6	0.1%	3.2
Fresno	109	2.1%	11.2	102	2.0%	10.4	134	2.5%	13.5	157	3.2%	15.7	109	2.3%	10.8
Glenn	0	0.0%	0.0	1	0.0%	3.5	2	0.0%	6.9	2	0.0%	6.8	1	0.0%	3.4
Humboldt	6	0.1%	4.5	9	0.2%	6.7	6	0.1%	4.4	4	0.1%	2.9	14	0.3%	10.3
Imperial	19	0.4%	10.4	19	0.4%	10.3	14	0.3%	7.5	40	0.8%	21.3	32	0.7%	16.9
Inyo	3	0.1%	16.1	1	0.0%	5.4	2	0.0%	10.7	2	0.0%	10.8	1	0.0%	5.4
Kern	110	2.1%	12.5	123	2.4%	13.9	102	1.9%	11.5	151	3.1%	16.8	156	3.3%	17.2
Kings	8	0.2%	5.3	8	0.2%	5.3	9	0.2%	6.0	20	0.4%	13.2	9	0.2%	5.9
Lake	3	0.1%	4.6	2	0.0%	3.1	1	0.0%	1.5	4	0.1%	6.2	4	0.1%	6.1
Lassen	0	0.0%	0.0	3	0.1%	9.7	1	0.0%	3.3	2	0.0%	6.5	0	0.0%	0.0
Los Angeles	2,155	41.1%	21.3	2,102	40.6%	20.6	2,052	39.0%	20.1	1,823	37.1%	17.8	1,711	36.0%	16.6
Madera	13	0.2%	8.4	6	0.1%	3.9	7	0.1%	4.5	13	0.3%	8.3	15	0.3%	9.5
Marin	24	0.5%	9.2	25	0.5%	9.6	29	0.6%	11.0	17	0.3%	6.5	21	0.4%	8.0
Mariposa	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	5.5	1	0.0%	5.6	2	0.0%	11.2
Mendocino	5	0.1%	5.7	4	0.1%	4.5	3	0.1%	3.4	4	0.1%	4.5	5	0.1%	5.6
Merced	15	0.3%	5.6	21	0.4%	7.8	21	0.4%	7.7	26	0.5%	9.4	28	0.6%	10.0
Modoc		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	2	0.0%	14.4	0	0.0%	0.0
Monterey	24	0.5%	5.6	33	0.6%	7.6	42	0.8%	9.6	47	1.0%	10.6	44	0.9%	9.9
Napa	10	0.2%	7.1	4	0.1%	2.8	12	0.2%	8.5	7	0.1%	5.0	7	0.1%	5.0
Nevada	6	0.1%	6.1	2	0.0%	2.0	6	0.1%	6.1	3	0.1%	3.0	3	0.1%	3.0
Orange	287	5.5%	9.1	331	6.4%	10.5	352	6.7%	11.1	315	6.4%	9.8	286	6.0%	8.9
Placer	13	0.2%	3.5	13	0.3%	3.5	20	0.4%	5.3	19	0.4%	5.0	10	0.2%	2.6
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	264	5.0%	11.4	273	5.3%	11.7	299	5.7%	12.7	276	5.6%	11.5	259	5.5%	10.7
Sacramento	185	3.5%	12.5	162	3.1%	10.9	191	3.6%	12.7	173	3.5%	11.4	158	3.3%	10.3
San Benito	1	0.0%	1.7	4	0.1%	6.8	1	0.0%	1.7	8	0.2%	13.3	3	0.1%	4.9
San Bernardino	222	4.2%	10.5	196	3.8%	9.2	224	4.3%	10.4	255	5.2%	11.8	278	5.9%	12.8
San Diego	503	9.6%	15.5	496	9.6%	15.1	515	9.8%	15.6	418	8.5%	12.6	379	8.0%	11.3
San Francisco	327	6.2%	38.3	297	5.7%	34.3	264	5.0%	30.2	244	5.0%	27.7	240	5.1%	27.0
San Joaquin	70	1.3%	9.8	75	1.4%	10.3	55	1.0%	7.4	63	1.3%	8.4	67	1.4%	8.8
San Luis Obispo	10	0.2%	3.6	17	0.3%	6.1	17	0.3%	6.1	9	0.2%	3.2	16	0.3%	5.7
San Mateo	70	1.3%	9.2	65	1.3%	8.5	59	1.1%	7.7	58	1.2%	7.5	61	1.3%	7.9
Santa Barbara	26	0.5%	5.9	23	0.4%	5.2	29	0.6%	6.5	27	0.5%	6.0	31	0.7%	6.8
Santa Clara	166	3.2%	8.8	158	3.1%	8.2	136	2.6%	7.0	156	3.2%	8.0	168	3.5%	8.6
Santa Cruz	22	0.4%	8.1	12	0.2%	4.4	21	0.4%	7.6	7	0.1%	2.5	10	0.2%	3.6
Shasta	8	0.2%	4.5	3	0.1%	1.7	7	0.1%	3.9	2	0.0%	1.1	7	0.1%	3.9
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	2	0.0%	4.5	2	0.0%	4.5	3	0.1%	6.8	0	0.0%	0.0	3	0.1%	6.8
Solano	56	1.1%	13.2	35	0.7%	8.1	33	0.6%	7.6	35	0.7%	8.0	45	0.9%	10.2
Sonoma	30	0.6%	6.0	30	0.6%	6.0	40	0.8%	7.9	30	0.6%	6.0	33	0.7%	6.6
Stanislaus	40	0.8%	7.5	32	0.6%	5.9	32	0.6%	5.9	52	1.1%	9.4	60	1.3%	10.8
Sutter	1	0.0%	1.0	1	0.0%	1.0	9	0.2%	9.2	6	0.1%	6.1	6	0.1%	6.1
Tehama	0	0.0%	0.0	1	0.0%	1.6	1	0.0%	1.6	3	0.1%	4.7	4	0.1%	6.2
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	35	0.7%	7.6	32	0.6%	6.9	34	0.6%	7.3	17	0.3%	3.6	50	1.1%	10.5
Tuolumne	0	0.0%	0.0	2	0.0%	3.7	1	0.0%	1.9	0	0.0%	0.0	1	0.0%	1.9
Ventura	54	1.0%	6.4	50	1.0%	5.9	47	0.9%	5.5	71	1.4%	8.3	52	1.1%	6.1
Yolo	10	0.2%	4.8	22	0.4%	10.3	18	0.3%	8.3	10	0.2%	4.6	20	0.4%	9.0
Yuba	2	0.0%	2.7	4	0.1%	5.4	3	0.1%	4.0	4	0.1%	5.2	3	0.1%	3.9
Total	5,249		13.5	5,175		13.2	5,266		13.4	4,919		12.4	4,747		11.9
Berkeley city	22	0.4%	18.5	23	0.4%	19.0	22	0.4%	18.1	14	0.3%	11.5	9	0.2%	7.4
Long Beach city	128	2.4%	27.3	139	2.7%	29.5	132	2.5%	28.1	118	2.4%	25.2	107	2.3%	22.9
Pasadena city	24	0.5%	17.2	31	0.6%	22.0	20	0.4%	14.1	19	0.4%	13.4	16	0.3%	11.3

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 (numbers on Alameda, and Los Angeles counties (above) include the respective city LHJ numbers).

Table 2a. Persons living with diagnosed HIV infection, by year and selected demographic characteristics, 2014–2018 — California

Characteristic	2014			2015			2016			2017			2018			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
Age at year end (years)	0 to 11	152	0.1%	2.5	139	0.1%	2.3	124	0.1%	2.0	111	0.1%	1.8	100	0.1%	1.7
	12 to 14	72	0.1%	4.7	69	0.1%	4.5	82	0.1%	5.4	78	0.1%	5.1	63	0.0%	4.1
	15 to 17	128	0.1%	7.9	123	0.1%	7.6	112	0.1%	7.0	98	0.1%	6.1	103	0.1%	6.5
	18 to 19	250	0.2%	20.6	257	0.2%	21.3	256	0.2%	21.6	242	0.2%	20.7	230	0.2%	19.5
	20 to 24	3,096	2.4%	104.2	3,122	2.4%	103.7	3,122	2.3%	102.6	2,985	2.2%	98.2	2,851	2.1%	94.7
	25 to 29	7,337	5.8%	288.2	7,526	5.8%	300.1	7,843	5.9%	312.5	7,894	5.8%	309.8	7,882	5.8%	301.6
	30 to 34	9,833	7.8%	353.8	10,099	7.8%	364.9	10,476	7.9%	383.9	10,789	8.0%	403.6	11,121	8.1%	427.1
	35 to 39	11,150	8.8%	438.7	11,452	8.9%	443.5	11,973	9.0%	455.5	12,215	9.0%	455.3	12,405	9.1%	454.6
	40 to 44	14,737	11.7%	563.5	13,634	10.5%	530.4	13,046	9.8%	515.7	12,853	9.5%	510.1	12,711	9.3%	504.4
	45 to 49	20,843	16.5%	805.4	19,964	15.4%	764.3	19,161	14.4%	726.5	18,015	13.3%	680.4	16,756	12.3%	636.5
	50 to 54	23,317	18.5%	877.7	23,851	18.4%	901.9	23,714	17.8%	907.7	23,018	17.0%	889.8	22,004	16.1%	860.4
	55 to 59	16,457	13.0%	668.6	17,766	13.7%	707.6	19,210	14.4%	755.5	20,447	15.1%	797.3	21,438	15.7%	832.0
	60 to 64	10,164	8.0%	488.1	11,091	8.6%	515.8	12,217	9.2%	551.1	13,300	9.8%	582.8	14,208	10.4%	608.7
	65 to 74	7,514	5.9%	262.1	8,664	6.7%	286.6	9,809	7.4%	310.2	11,051	8.2%	334.6	12,287	9.0%	358.3
	≥ 75	1,322	1.0%	61.1	1,566	1.2%	70.5	1,833	1.4%	80.4	2,108	1.6%	89.5	2,407	1.8%	98.7
Race/ethnicity	Hispanic/Latinx	43,724	34.6%	293.0	45,379	35.1%	300.1	47,394	35.6%	310.0	49,018	36.3%	316.9	50,453	36.9%	323.1
	American Indian/Alaska Native	343	0.3%	202.7	341	0.3%	200.4	351	0.3%	205.3	354	0.3%	206.0	358	0.3%	207.7
	Asian	4,538	3.6%	89.7	4,803	3.7%	93.9	5,110	3.8%	99.2	5,435	4.0%	104.5	5,641	4.1%	107.7
	Black/African American	21,790	17.2%	970.8	22,188	17.2%	984.4	22,780	17.1%	1,007.5	23,154	17.1%	1,020.0	23,413	17.1%	1,028.6
	Native Hawaiian/Other Pacific Islander	226	0.2%	162.4	235	0.2%	167.1	247	0.2%	174.3	249	0.2%	174.3	259	0.2%	180.3
	White	51,563	40.8%	338.6	52,096	40.3%	341.3	52,729	39.7%	345.2	52,626	38.9%	343.9	52,086	38.1%	340.3
	Multiple races	4,184	3.3%	420.1	4,277	3.3%	421.0	4,363	3.3%	421.8	4,364	3.2%	414.3	4,352	3.2%	406.1
Unknown race	4	0.0%	-	4	0.0%	-	4	0.0%	-	4	0.0%	-	4	0.0%	-	
Gender	Cisgender men	109,787	86.9%	569.4	112,401	86.9%	578.3	115,605	86.9%	591.3	117,528	86.9%	597.0	118,708	86.9%	599.9
	Cisgender women	14,873	11.8%	76.4	15,142	11.7%	77.1	15,542	11.7%	78.6	15,796	11.7%	79.3	15,937	11.7%	79.5
	Transgender women	1,665	1.3%	-	1,731	1.3%	-	1,777	1.3%	-	1,818	1.3%	-	1,851	1.4%	-
	Transgender men	40	0.0%	-	43	0.0%	-	48	0.0%	-	54	0.0%	-	63	0.0%	-
	Alternative Gender Identity	7	0.0%	-	6	0.0%	-	6	0.0%	-	8	0.0%	-	7	0.0%	-
Total	126,372		326.1	129,323		331.0	132,978		338.1	135,204		341.3	136,566		342.9	

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, 2014–2018 — California

Demographic group	Transmission category	2014	%	2015	%	2016	%	2017	%	2018	%
Cisgender men (age ≥12 at year end)	Male-to-male sexual contact (MMSC)	83,948	76.5%	86,133	76.7%	88,649	76.7%	90,182	76.8%	91,083	76.8%
	Injection drug use (IDU)	5,248	4.8%	5,216	4.6%	5,207	4.5%	5,164	4.4%	5,088	4.3%
	MMSC and IDU	9,316	8.5%	9,190	8.2%	9,200	8.0%	9,032	7.7%	8,864	7.5%
	High-risk heterosexual contact	3,498	3.2%	3,530	3.1%	3,607	3.1%	3,640	3.1%	3,660	3.1%
	Heterosexual contact (non-high-risk)	3,599	3.3%	3,859	3.4%	4,160	3.6%	4,409	3.8%	4,661	3.9%
	Perinatal/Unknown risk/Other	4,108	3.7%	4,411	3.9%	4,726	4.1%	5,049	4.3%	5,306	4.5%
	Subtotal		109,717	88.1%	112,339	88.2%	115,549	88.2%	117,476	88.2%	118,662
Cisgender women (age ≥12 at year end)	Injection drug use	2,871	19.4%	2,817	18.7%	2,799	18.1%	2,785	17.7%	2,719	17.1%
	High-risk heterosexual contact	7,800	52.7%	7,904	52.5%	8,027	51.9%	8,093	51.4%	8,084	50.9%
	Heterosexual contact (non-high-risk)	2,822	19.1%	2,991	19.9%	3,226	20.8%	3,392	21.6%	3,577	22.5%
	Perinatal/Unknown risk/Other	1,298	8.8%	1,353	9.0%	1,422	9.2%	1,467	9.3%	1,503	9.5%
Subtotal		14,791	11.9%	15,065	11.8%	15,474	11.8%	15,737	11.8%	15,883	11.8%
Transgender women (age ≥12 at year end)	Sexual contact	1639	98.4%	1701	98.3%	1743	98.1%	1777	97.7%	1807	97.6%
	Injection drug use (IDU)	9	0.5%	9	0.5%	8	0.5%	8	0.4%	9	0.5%
	Perinatal/Unknown risk/Other	17	1.0%	21	1.2%	26	1.5%	33	1.8%	35	1.9%
Subtotal		1,665	97.7%	1,731	97.6%	1,777	97.4%	1,818	97.1%	1,851	96.7%
Transgender men (age ≥12 at year end)	Sexual contact	28	70.0%	29	67.4%	33	68.8%	37	68.5%	45	71.4%
	Injection drug use	9	22.5%	10	23.3%	11	22.9%	12	22.2%	11	17.5%
	Perinatal/Unknown risk/Other	3	7.5%	4	9.3%	4	8.3%	5	9.3%	7	11.1%
Subtotal		40	2.3%	43	2.4%	48	2.6%	54	2.9%	63	3.3%
Alternative gender (age ≥12 at year end)	Sexual contact	6	85.7%	5	83.3%	5	83.3%	7	87.5%	7	100.0%
	Injection drug use	1	14.3%	1	16.7%	1	16.7%	1	12.5%	0	0.0%
Subtotal		7	100.0%	6	100.0%	6	100.0%	8	100.0%	7	100.0%
Child (age <12 at year end)	Perinatal	125	82.2%	114	82.0%	103	83.1%	93	83.8%	84	84.0%
	Unknown risk	26	17.1%	24	17.3%	19	15.3%	16	14.4%	14	14.0%
	Other	1	0.7%	1	0.7%	2	1.6%	2	1.8%	2	2.0%
Subtotal		152	100.0%	139	100.0%	124	100.0%	111	100.0%	100	100.0%
Total		126,372		129,323		132,978		135,204		136,566	

Note: High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex-at-birth who has a high risk for 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. Transgender persons who report sexual contact are placed in the transmission category of sexual contact, regardless of IDU. Other includes hemophilia, blood transfusion, and risk factor not reported or not identified.

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Table 2c. Persons living with diagnosed HIV infection, by year and current local health jurisdiction, 2014–2018 — California

County of current residence	2014			2015			2016			2017			2018		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	6,031	4.8%	376.7	6,209	4.8%	382.9	6,332	4.8%	386.6	6,407	4.7%	388.0	6,375	4.7%	383.4
Alpine	0	0.0%	0.0	0	0.0%	0.0	2	0.0%	173.8	2	0.0%	174.5	2	0.0%	175.3
Amador	49	0.0%	134.6	80	0.1%	219.8	195	0.1%	529.0	220	0.2%	588.2	213	0.2%	559.6
Butte	230	0.2%	102.7	232	0.2%	103.3	263	0.2%	116.8	273	0.2%	120.4	274	0.2%	120.3
Calaveras	34	0.0%	75.5	38	0.0%	84.6	45	0.0%	100.5	45	0.0%	100.8	44	0.0%	98.6
Colusa	5	0.0%	22.5	5	0.0%	22.4	6	0.0%	26.7	11	0.0%	48.6	17	0.0%	74.7
Contra Costa	2,283	1.8%	206.8	2,364	1.8%	211.4	2,585	1.9%	228.7	2,636	1.9%	231.6	2,772	2.0%	241.9
Del Norte	17	0.0%	62.4	22	0.0%	81.1	27	0.0%	100.0	26	0.0%	97.0	27	0.0%	99.0
El Dorado	165	0.1%	90.3	165	0.1%	90.0	195	0.1%	105.8	198	0.1%	106.1	216	0.2%	114.3
Fresno	1,716	1.4%	177.0	1,776	1.4%	181.2	1,874	1.4%	189.5	1,966	1.5%	196.6	2,036	1.5%	201.4
Glenn	12	0.0%	41.6	13	0.0%	44.9	19	0.0%	65.4	22	0.0%	75.3	24	0.0%	81.8
Humboldt	189	0.1%	140.2	220	0.2%	162.8	237	0.2%	174.3	229	0.2%	168.5	232	0.2%	171.1
Imperial	258	0.2%	141.0	274	0.2%	148.1	294	0.2%	157.6	329	0.2%	175.1	335	0.2%	176.8
Inyo	18	0.0%	96.5	17	0.0%	91.2	23	0.0%	123.5	21	0.0%	113.1	19	0.0%	102.6
Kern	1,571	1.2%	179.2	1,613	1.2%	182.5	1,581	1.2%	178.0	1,667	1.2%	185.6	1,772	1.3%	195.3
Kings	167	0.1%	111.6	165	0.1%	110.1	173	0.1%	115.9	183	0.1%	121.2	200	0.1%	130.3
Lake	103	0.1%	158.0	140	0.1%	215.9	149	0.1%	230.7	145	0.1%	223.3	151	0.1%	231.7
Lassen	21	0.0%	65.9	24	0.0%	77.5	26	0.0%	85.0	26	0.0%	85.0	29	0.0%	94.9
Los Angeles	50,964	40.3%	503.2	51,377	39.7%	504.6	51,236	38.5%	501.6	51,708	38.2%	503.9	52,081	38.1%	506.7
Madera	180	0.1%	116.9	179	0.1%	115.7	184	0.1%	118.4	193	0.1%	123.0	192	0.1%	121.3
Marin	899	0.7%	344.3	852	0.7%	325.6	849	0.6%	323.4	814	0.6%	310.6	835	0.6%	318.4
Mariposa	18	0.0%	99.3	19	0.0%	105.1	20	0.0%	110.7	18	0.0%	100.0	20	0.0%	111.6
Mendocino	182	0.1%	205.7	180	0.1%	203.8	183	0.1%	206.2	180	0.1%	202.1	179	0.1%	201.1
Merced	188	0.1%	70.2	210	0.2%	77.8	271	0.2%	99.5	295	0.2%	106.6	303	0.2%	107.9
Modoc	2	0.0%	20.9	2	0.0%	21.0	2	0.0%	21.0	1	0.0%	10.5	4	0.0%	42.1
Mono	2	0.0%	14.3	5	0.0%	36.0	7	0.0%	50.7	8	0.0%	57.8	9	0.0%	64.8
Monterey	668	0.5%	155.4	669	0.5%	153.7	700	0.5%	159.2	725	0.5%	164.0	752	0.6%	169.4
Napa	196	0.2%	139.4	245	0.2%	173.5	268	0.2%	189.4	272	0.2%	192.6	270	0.2%	192.2
Nevada	83	0.1%	84.3	92	0.1%	93.7	124	0.1%	126.1	126	0.1%	127.8	131	0.1%	132.7
Orange	7,063	5.6%	224.9	7,158	5.5%	226.2	7,183	5.4%	225.8	7,283	5.4%	227.2	7,300	5.3%	226.9
Placer	241	0.2%	65.4	249	0.2%	67.0	343	0.3%	91.1	354	0.3%	92.4	362	0.3%	93.0
Plumas	8	0.0%	40.6	15	0.0%	76.4	18	0.0%	91.9	21	0.0%	107.4	20	0.0%	102.5
Riverside	5,973	4.7%	258.8	6,779	5.2%	290.4	8,181	6.2%	346.3	9,009	6.7%	376.5	9,468	6.9%	391.3
Sacramento	3,838	3.0%	260.3	3,947	3.1%	264.9	4,371	3.3%	290.4	4,419	3.3%	290.6	4,451	3.3%	290.0
San Benito	38	0.0%	65.5	38	0.0%	64.8	42	0.0%	70.5	50	0.0%	82.9	50	0.0%	81.6
San Bernardino	3,369	2.7%	159.5	3,567	2.8%	167.5	4,176	3.1%	194.7	4,400	3.3%	203.4	4,661	3.4%	214.0
San Diego	12,846	10.2%	395.3	12,933	10.0%	394.8	13,688	10.3%	415.1	13,861	10.3%	417.5	13,866	10.2%	414.6
San Francisco	13,599	10.8%	1591.3	14,034	10.9%	1622.5	13,342	10.0%	1528.5	13,049	9.7%	1481.2	12,725	9.3%	1433.7
San Joaquin	1,312	1.0%	182.8	1,339	1.0%	183.8	1,339	1.0%	181.2	1,341	1.0%	178.8	1,361	1.0%	179.3
San Luis Obispo	595	0.5%	215.4	498	0.4%	179.9	411	0.3%	147.6	420	0.3%	150.7	361	0.3%	129.2
San Mateo	1,513	1.2%	199.9	1,522	1.2%	199.0	1,594	1.2%	207.4	1,657	1.2%	214.7	1,652	1.2%	213.4
Santa Barbara	602	0.5%	136.8	610	0.5%	137.2	615	0.5%	137.5	547	0.4%	121.5	552	0.4%	121.8
Santa Clara	3,510	2.8%	185.4	3,492	2.7%	181.9	3,384	2.5%	175.0	3,497	2.6%	179.7	3,551	2.6%	181.5
Santa Cruz	462	0.4%	169.8	498	0.4%	181.3	517	0.4%	187.5	525	0.4%	190.3	522	0.4%	189.7
Shasta	214	0.2%	119.5	204	0.2%	114.2	215	0.2%	121.0	222	0.2%	124.6	223	0.2%	125.1
Sierra	2	0.0%	63.1	4	0.0%	126.9	6	0.0%	190.7	5	0.0%	158.8	6	0.0%	190.3
Siskiyou	40	0.0%	89.5	47	0.0%	105.5	61	0.0%	137.3	63	0.0%	142.4	69	0.1%	156.5
Solano	1,197	0.9%	281.2	1,289	1.0%	300.1	1,335	1.0%	307.8	1,320	1.0%	301.8	1,329	1.0%	302.4
Sonoma	1,283	1.0%	257.4	1,343	1.0%	267.9	1,512	1.1%	300.3	1,487	1.1%	295.3	1,481	1.1%	295.4
Stanislaus	599	0.5%	112.6	654	0.5%	121.6	714	0.5%	131.4	776	0.6%	141.0	819	0.6%	147.6
Sutter	79	0.1%	81.6	77	0.1%	79.1	87	0.1%	88.8	90	0.1%	91.5	97	0.1%	98.2
Tehama	39	0.0%	61.0	40	0.0%	62.4	48	0.0%	74.6	51	0.0%	79.2	49	0.0%	75.9
Trinity	15	0.0%	110.1	18	0.0%	132.8	19	0.0%	140.9	19	0.0%	141.2	17	0.0%	126.8
Tulare	334	0.3%	72.6	367	0.3%	79.0	428	0.3%	91.4	447	0.3%	94.6	479	0.4%	100.4
Tuolumne	38	0.0%	70.6	38	0.0%	71.0	45	0.0%	84.4	47	0.0%	88.9	50	0.0%	94.7
Ventura	1,005	0.8%	118.4	1,051	0.8%	123.2	1,066	0.8%	124.8	1,123	0.8%	131.3	1,139	0.8%	133.1
Yolo	244	0.2%	116.1	256	0.2%	120.2	279	0.2%	128.7	283	0.2%	128.8	302	0.2%	136.3
Yuba	63	0.0%	85.3	69	0.1%	92.6	89	0.1%	118.0	92	0.1%	119.8	90	0.1%	116.1
Total	126,372		326.1	129,323		331.0	132,978		338.1	135,204		341.3	136,566		342.9
Berkeley city	480	0.4%	404.3	491	0.4%	406.7	502	0.4%	413.2	487	0.4%	399.2	484	0.4%	397.9
Long Beach city	4,686	3.7%	998.0	4,676	3.6%	993.4	4,581	3.4%	975.9	4,514	3.3%	965.8	4,409	3.2%	943.4
Pasadena city	607	0.5%	434.6	598	0.5%	423.5	584	0.4%	411.8	584	0.4%	411.3	598	0.4%	423.0

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 LHM numbers).

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Table 2d. Continuum of HIV care for persons living with diagnosed HIV infection, 2018 — 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	136,566	100,852	73.8%	87,647	64.2%
Alameda	6,375	5,113	80.2%	4,540	71.2%
Alpine	-	-	-	-	-
Amador	213	197	92.5%	188	88.3%
Berkeley	483	385	79.7%	340	70.4%
Butte	274	234	85.4%	204	74.5%
Calaveras	44	36	81.8%	27	61.4%
Colusa	17	15	88.2%	14	82.4%
Contra Costa	2,772	2,319	83.7%	2,072	74.7%
Del Norte	27	22	81.5%	22	81.5%
El Dorado	216	179	82.9%	162	75.0%
Fresno	2,036	1,637	80.4%	1,369	67.2%
Glenn	24	21	87.5%	17	70.8%
Humboldt	232	187	80.6%	161	69.4%
Imperial	335	226	67.5%	195	58.2%
Inyo	19	16	84.2%	13	68.4%
Kern	1,772	994	56.1%	798	45.0%
Kings	200	134	67.0%	115	57.5%
Lake	151	137	90.7%	124	82.1%
Lassen	29	19	65.5%	17	58.6%
Long Beach	4,409	3,126	70.9%	2,799	63.5%
Los Angeles	52,081	36,011	69.1%	31,172	59.9%
Madera	192	129	67.2%	105	54.7%
Marin	835	633	75.8%	582	69.7%
Mariposa	20	18	90.0%	18	90.0%
Mendocino	179	141	78.8%	126	70.4%
Merced	303	246	81.2%	197	65.0%
Modoc	-	-	-	-	-
Mono	-	-	-	-	-
Monterey	752	579	77.0%	504	67.0%
Napa	270	225	83.3%	214	79.3%
Nevada	131	104	79.4%	86	65.6%
Orange	7,300	4,978	68.2%	4,163	57.0%
Pasadena	598	452	75.6%	409	68.4%
Placer	362	303	83.7%	275	76.0%
Plumas	20	17	85.0%	16	80.0%
Riverside	9,468	7,819	82.6%	7,070	74.7%
Sacramento	4,451	3,520	79.1%	3,111	69.9%
San Benito	50	35	70.0%	34	68.0%
San Bernardino	4,661	3,338	71.6%	2,543	54.6%
San Diego	13,866	9,919	71.5%	8,378	60.4%
San Francisco	12,725	10,284	80.8%	9,440	74.2%
San Joaquin	1,361	999	73.4%	802	58.9%
San Luis Obispo	361	246	68.1%	182	50.4%

Table 2d. Continuum of HIV care for persons living with diagnosed HIV infection, 2018 — California (continued)

Jurisdiction of residence (by name)	No. people living and diagnosed with HIV	In care		Virally suppressed	
		N	%	N	%
2021 California Integrated Plan Objective			90.0%		80.0%
San Mateo	1,652	1,281	77.5%	986	59.7%
Santa Barbara	552	416	75.4%	356	64.5%
Santa Clara	3,551	2,804	79.0%	2,473	69.6%
Santa Cruz	522	433	83.0%	392	75.1%
Shasta	223	184	82.5%	155	69.5%
Sierra	-	-	-	-	-
Siskiyou	69	59	85.5%	50	72.5%
Solano	1,329	1,018	76.6%	922	69.4%
Sonoma	1,481	1,287	86.9%	1,210	81.7%
Stanislaus	819	649	79.2%	575	70.2%
Sutter	97	73	75.3%	67	69.1%
Tehama	49	39	79.6%	32	65.3%
Trinity	17	13	76.5%	12	70.6%
Tulare	479	355	74.1%	279	58.2%
Tuolumne	50	34	68.0%	29	58.0%
Ventura	1,139	845	74.2%	776	68.1%
Yolo	302	242	80.1%	201	66.6%
Yuba	90	71	78.9%	57	63.3%

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. Small numbers were suppressed to ensure the confidentiality of personally identifiable information.

Table 3a. Deaths among persons with diagnosed HIV infection, by year and selected demographic characteristics, 2014–2018 — California

Characteristic	2014			2015			2016			2017			2018			
	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	1	0.1%	0.1	0	0.0%	0.0	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	1	0.1%	0.1	0	0.0%	0.0
	18 to 19	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	0.1	1	0.1%	0.1
	20 to 24	10	0.6%	0.3	11	0.6%	0.4	10	0.5%	0.3	9	0.5%	0.3	7	0.4%	0.2
	25 to 29	28	1.6%	1.1	26	1.4%	1.0	50	2.6%	2.0	49	2.6%	1.9	34	1.8%	1.3
	30 to 34	50	2.8%	1.8	71	3.9%	2.6	65	3.4%	2.4	68	3.6%	2.5	72	3.8%	2.8
	35 to 39	79	4.5%	3.1	93	5.1%	3.6	110	5.8%	4.2	101	5.4%	3.8	83	4.4%	3.0
	40 to 44	130	7.3%	5.0	138	7.6%	5.4	100	5.3%	4.0	95	5.0%	3.8	100	5.3%	4.0
	45 to 49	256	14.4%	9.9	208	11.4%	8.0	219	11.6%	8.3	185	9.8%	7.0	161	8.6%	6.1
	50 to 54	338	19.1%	12.7	325	17.9%	12.3	329	17.4%	12.6	294	15.6%	11.4	282	15.1%	11.0
	55 to 59	310	17.5%	12.6	354	19.5%	14.1	344	18.2%	13.5	363	19.3%	14.2	297	15.9%	11.5
	60 to 64	262	14.8%	12.6	239	13.1%	11.1	282	14.9%	12.7	281	14.9%	12.3	305	16.3%	13.1
	65 to 74	241	13.6%	8.4	266	14.6%	8.8	282	14.9%	8.9	294	15.6%	8.9	373	19.9%	10.9
	≥ 75	69	3.9%	3.2	87	4.8%	3.9	99	5.2%	4.3	144	7.6%	6.1	157	8.4%	6.4
Race/ethnicity	Hispanic/Latinx	469	26.4%	3.1	462	25.4%	3.1	463	24.5%	3.0	520	27.6%	3.4	514	27.5%	3.3
	American Indian/Alaska Native	3	0.2%	1.8	5	0.3%	2.9	4	0.2%	2.3	5	0.3%	2.9	2	0.1%	1.2
	Asian	26	1.5%	0.5	37	2.0%	0.7	32	1.7%	0.6	29	1.5%	0.6	38	2.0%	0.7
	Black/African American	373	21.0%	16.6	404	22.2%	17.9	435	23.0%	19.2	377	20.0%	16.6	380	20.3%	16.7
	Native Hawaiian/Other Pacific Islander	1	0.1%	0.7	4	0.2%	2.8	2	0.1%	1.4	0	0.0%	0.0	4	0.2%	2.8
	White	806	45.4%	5.3	808	44.4%	5.3	839	44.4%	5.5	837	44.4%	5.5	811	43.3%	5.3
	Multiple races	96	5.4%	9.6	98	5.4%	9.6	115	6.1%	11.1	117	6.2%	11.1	123	6.6%	11.5
Gender	Cisgender men	1,522	85.8%	7.9	1,573	86.5%	8.1	1,612	85.3%	8.2	1,651	87.6%	8.4	1,617	86.4%	8.2
	Cisgender women	227	12.8%	1.2	221	12.2%	1.1	245	13.0%	1.2	212	11.2%	1.1	232	12.4%	1.2
	Transgender women	25	1.4%	-	22	1.2%	-	33	1.7%	-	22	1.2%	-	20	1.1%	-
	Transgender men	0	0.0%	-	1	0.1%	-	0	0.0%	-	0	0.0%	-	2	0.1%	-
	Alternative Gender Identity	0	0.0%	-	1	0.1%	-	0	0.0%	-	0	0.0%	-	1	0.1%	-
Total	1,774		4.6	1,818		4.7	1,890		4.8	1,885		4.8	1,872		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, 2014–2018 — California

Demographic group	Transmission category	2014	%	2015	%	2016	%	2017	%	2018	%
Cisgender men (age ≥12 at death)	Male-to-male sexual contact (MMSC)	994	65.3%	983	62.5%	1,011	62.7%	1,037	62.8%	1,022	63.2%
	Injection drug use (IDU)	147	9.7%	166	10.6%	162	10.0%	150	9.1%	152	9.4%
	MMSC and IDU	231	15.2%	245	15.6%	227	14.1%	241	14.6%	234	14.5%
	High-risk heterosexual contact	44	2.9%	61	3.9%	60	3.7%	64	3.9%	48	3.0%
	Heterosexual contact (non-high-risk)	42	2.8%	44	2.8%	60	3.7%	63	3.8%	69	4.3%
	Perinatal/Unknown risk/Other	64	4.2%	74	4.7%	92	5.7%	96	5.8%	92	5.7%
	Subtotal	1,522	87.0%	1,573	87.7%	1,612	86.8%	1,651	88.6%	1,617	87.5%
Cisgender women (age ≥12 at death)	Injection drug use	98	43.2%	99	44.8%	82	33.5%	82	38.7%	85	36.6%
	High-risk heterosexual contact	86	37.9%	77	34.8%	106	43.3%	71	33.5%	89	38.4%
	Heterosexual contact (non-high-risk)	26	11.5%	30	13.6%	35	14.3%	42	19.8%	44	19.0%
	Perinatal/Unknown risk/Other	17	7.5%	15	6.8%	22	9.0%	17	8.0%	14	6.0%
	Subtotal	227	13.0%	221	12.3%	245	13.2%	212	11.4%	232	12.5%
Transgender women (age ≥12 at death)	Sexual contact	24	96.0%	21	95.5%	32	97.0%	22	100.0%	20	100.0%
	Injection drug use (IDU)	0	0.0%	0	0.0%	1	3.0%	0	0.0%	0	0.0%
	Perinatal/Unknown risk/Other	1	4.0%	1	4.5%	0	0.0%	0	0.0%	0	0.0%
	Subtotal	25	100.0%	22	95.7%	33	100.0%	22	100.0%	20	90.9%
Transgender men (age ≥12 at death)	Sexual contact	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%
	Injection drug use	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	100.0%
	Perinatal/Unknown risk/Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Subtotal	0	0.0%	1	4.3%	0	0.0%	0	0.0%	2	9.1%
Alternative gender (age ≥12 at death)	Sexual contact	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%
	Injection drug use	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	100.0%
	Subtotal	0	0.0%	1	100.0%	0	0.0%	0	0.0%	1	100.0%
Child (age <12 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	0.0%
Total		1,774		1,818		1,890		1,885		1,872	

Note: High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex-at-birth who has a high risk for 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. Transgender persons who report sexual contact are placed in the transmission category of sexual contact, regardless of IDU. 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, 2014–2018 — California

County of residence at death	2014			2015			2016			2017			2018		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	78	4.4%	4.9	80	4.4%	4.9	81	4.3%	4.9	81	4.3%	4.9	75	4.0%	4.5
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%	2.7	2	0.1%	5.5	2	0.1%	5.4	3	0.2%	8.0	1	0.1%	2.6
Butte	8	0.5%	3.6	9	0.5%	4.0	12	0.6%	5.3	7	0.4%	3.1	5	0.3%	2.2
Calaveras	1	0.1%	2.2	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	2.2	1	0.1%	2.2
Colusa	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	4.4	0	0.0%	0.0	0	0.0%	0.0
Contra Costa	22	1.2%	2.0	40	2.2%	3.6	39	2.1%	3.5	33	1.8%	2.9	42	2.2%	3.7
Del Norte	1	0.1%	3.7	1	0.1%	3.7	1	0.1%	3.7	1	0.1%	3.7	0	0.0%	0.0
El Dorado	2	0.1%	1.1	2	0.1%	1.1	2	0.1%	1.1	3	0.2%	1.6	2	0.1%	1.1
Fresno	34	1.9%	3.5	36	2.0%	3.7	41	2.2%	4.1	46	2.4%	4.6	28	1.5%	2.8
Glenn	2	0.1%	6.9	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Humboldt	2	0.1%	1.5	9	0.5%	6.7	8	0.4%	5.9	7	0.4%	5.2	9	0.5%	6.6
Imperial	7	0.4%	3.8	1	0.1%	0.5	4	0.2%	2.1	6	0.3%	3.2	8	0.4%	4.2
Inyo	0	0.0%	0.0	1	0.1%	5.4	1	0.1%	5.4	2	0.1%	10.8	0	0.0%	0.0
Kern	24	1.4%	2.7	23	1.3%	2.6	27	1.4%	3.0	28	1.5%	3.1	45	2.4%	5.0
Kings	2	0.1%	1.3	0	0.0%	0.0	1	0.1%	0.7	5	0.3%	3.3	2	0.1%	1.3
Lake	3	0.2%	4.6	1	0.1%	1.5	6	0.3%	9.3	4	0.2%	6.2	5	0.3%	7.7
Lassen	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
Los Angeles	668	37.7%	6.6	696	38.3%	6.8	670	35.4%	6.6	671	35.6%	6.5	660	35.3%	6.4
Madera	2	0.1%	1.3	0	0.0%	0.0	3	0.2%	1.9	2	0.1%	1.3	4	0.2%	2.5
Marin	10	0.6%	3.8	16	0.9%	6.1	13	0.7%	5.0	13	0.7%	5.0	11	0.6%	4.2
Mariposa	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	5.5	0	0.0%	0.0	1	0.1%	5.6
Mendocino	3	0.2%	3.4	0	0.0%	0.0	5	0.3%	5.6	3	0.2%	3.4	3	0.2%	3.4
Merced	9	0.5%	3.4	4	0.2%	1.5	10	0.5%	3.7	7	0.4%	2.5	6	0.3%	2.1
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	1	0.1%	7.2	1	0.1%	7.2
Monterey	8	0.5%	1.9	10	0.6%	2.3	13	0.7%	3.0	11	0.6%	2.5	8	0.4%	1.8
Napa	2	0.1%	1.4	4	0.2%	2.8	3	0.2%	2.1	2	0.1%	1.4	0	0.0%	0.0
Nevada	2	0.1%	2.0	2	0.1%	2.0	2	0.1%	2.0	2	0.1%	2.0	4	0.2%	4.1
Orange	78	4.4%	2.5	87	4.8%	2.7	81	4.3%	2.5	91	4.8%	2.8	99	5.3%	3.1
Placer	6	0.3%	1.6	6	0.3%	1.6	7	0.4%	1.9	5	0.3%	1.3	4	0.2%	1.0
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	114	6.4%	4.9	119	6.5%	5.1	136	7.2%	5.8	129	6.8%	5.4	168	9.0%	6.9
Sacramento	63	3.6%	4.3	46	2.5%	3.1	87	4.6%	5.8	63	3.3%	4.1	52	2.8%	3.4
San Benito	0	0.0%	0.0	1	0.1%	1.7	2	0.1%	3.4	1	0.1%	1.7	1	0.1%	1.6
San Bernardino	73	4.1%	3.5	66	3.6%	3.1	69	3.7%	3.2	88	4.7%	4.1	63	3.4%	2.9
San Diego	126	7.1%	3.9	132	7.3%	4.0	149	7.9%	4.5	134	7.1%	4.0	159	8.5%	4.8
San Francisco	185	10.4%	21.6	217	11.9%	25.1	182	9.6%	20.9	225	11.9%	25.5	207	11.1%	23.3
San Joaquin	33	1.9%	4.6	35	1.9%	4.8	30	1.6%	4.1	35	1.9%	4.7	26	1.4%	3.4
San Luis Obispo	9	0.5%	3.3	8	0.4%	2.9	7	0.4%	2.5	10	0.5%	3.6	5	0.3%	1.8
San Mateo	20	1.1%	2.6	16	0.9%	2.1	18	1.0%	2.3	8	0.4%	1.0	19	1.0%	2.5
Santa Barbara	11	0.6%	2.5	5	0.3%	1.1	10	0.5%	2.2	10	0.5%	2.2	10	0.5%	2.2
Santa Clara	42	2.4%	2.2	47	2.6%	2.4	41	2.2%	2.1	25	1.3%	1.3	37	2.0%	1.9
Santa Cruz	6	0.3%	2.2	3	0.2%	1.1	7	0.4%	2.5	8	0.4%	2.9	7	0.4%	2.5
Shasta	7	0.4%	3.9	5	0.3%	2.8	6	0.3%	3.4	1	0.1%	0.6	4	0.2%	2.2
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	2	0.1%	4.5	0	0.0%	0.0	1	0.1%	2.3
Solano	29	1.6%	6.8	11	0.6%	2.6	19	1.0%	4.4	27	1.4%	6.2	13	0.7%	3.0
Sonoma	27	1.5%	5.4	24	1.3%	4.8	18	1.0%	3.6	41	2.2%	8.1	20	1.1%	4.0
Stanislaus	18	1.0%	3.4	19	1.0%	3.5	19	1.0%	3.5	10	0.5%	1.8	11	0.6%	2.0
Sutter	2	0.1%	2.1	2	0.1%	2.1	3	0.2%	3.1	2	0.1%	2.0	3	0.2%	3.0
Tehama	1	0.1%	1.6	1	0.1%	1.6	0	0.0%	0.0	0	0.0%	0.0	3	0.2%	4.6
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	9	0.5%	2.0	11	0.6%	2.4	19	1.0%	4.1	12	0.6%	2.5	10	0.5%	2.1
Tuolumne	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	3	0.2%	5.7	0	0.0%	0.0
Ventura	20	1.1%	2.4	14	0.8%	1.6	25	1.3%	2.9	13	0.7%	1.5	15	0.8%	1.8
Yolo	2	0.1%	1.0	5	0.3%	2.3	5	0.3%	2.3	4	0.2%	1.8	10	0.5%	4.5
Yuba	1	0.1%	1.4	1	0.1%	1.3	2	0.1%	2.7	1	0.1%	1.3	4	0.2%	5.2
Total	1,774		4.6	1,818		4.7	1,890		4.8	1,885		4.8	1,872		4.7
Berkeley city	5	0.3%	4.2	6	0.3%	5.0	7	0.4%	5.8	10	0.5%	8.2	4	0.2%	3.3
Long Beach city	63	3.6%	13.4	63	3.5%	13.4	73	3.9%	15.6	75	4.0%	16.0	79	4.2%	16.9
Pasadena city	7	0.4%	5.0	12	0.7%	8.5	14	0.7%	9.9	3	0.2%	2.1	9	0.5%	6.4

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 LHM numbers).