



California HIV Surveillance Report — 2023

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 2019–2023
- Number and rate of all persons living with diagnosed HIV infection during 2019–2023
- Number and rate of deaths among persons with diagnosed HIV infection during 2019–2023

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 2019 through 2023, both the annual number and rate of new HIV diagnoses increased in California. The number of new diagnoses increased by 6.0% — from 4,669 in 2019 to 4,948 in 2023, while the rate of new diagnoses per 100,000 population increased by 5.1%, from 11.7 to 12.3 during the same time period.
- From 2019 through 2023, the number of persons in California living with diagnosed HIV infection increased from approximately 137,777 to over 143,000. In 2023, the prevalence rate of diagnosed HIV infection was 355.0 per 100,000 population, compared to 346.5 in 2019— an increase of 2.5%.
- Of the 143,254 people living with diagnosed HIV infection in 2023, 75.1% were in HIV care and 66.5% achieved viral suppression. The *Ending the HIV Epidemic in the U.S. (EHE)* goals are to increase linkage to care and viral suppression to 95% by 2025.
- From 2019 through 2023, the annual number of deaths of persons with diagnosed HIV infection in California increased from 1,854 to 2,252. In 2023, the crude death rate of persons with diagnosed HIV infection was 5.6 per 100,000 population — a 19.1% increase since 2019. 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 December 31, 2024, 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 December 31, 2024. Otherwise individuals were classified according to their sex-at-birth.

Race and ethnicity: Latine 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, Jan 2021). For rates at the city level we used the U.S. Census Bureau; Population Estimates Program (V2023) for 2023, American Community Survey 5-Year Estimates (V2022) for 2022, American Community Survey 1-Year Estimates for 2019 and 2021, Table DP05, and Decennial Census for 2020, Table P1. Retrieved March 10, 2025. 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, 2019–2023 — California

Table 1a. Persons newly diagnosed with HIV infection, by year of diagnosis and selected demographic characteristics, 2019–2023 – California																
Characteristic		2019			2020			2021			2022			2023		
		N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Age at diagnosis (in years)	0 to 11	6	0.1%	0.1	6	0.1%	0.1	6	0.1%	0.1	5	0.1%	0.1	3	0.1%	0.1
	12 to 14	2	0.0%	0.1	1	0.0%	0.1	3	0.1%	0.2	3	0.1%	0.2	1	0.0%	0.1
	15 to 17	30	0.6%	1.9	34	0.8%	2.1	35	0.8%	2.2	36	0.7%	2.2	22	0.4%	1.3
	18 to 19	113	2.4%	9.6	85	2.0%	7.3	124	2.7%	10.7	92	1.9%	7.9	103	2.1%	8.7
	20 to 24	683	14.6%	23.0	584	14.0%	19.8	600	12.9%	20.5	637	12.9%	21.8	614	12.4%	20.9
	25 to 29	941	20.2%	35.4	897	21.5%	33.4	874	18.8%	32.2	990	20.1%	36.5	854	17.3%	31.7
	30 to 34	791	16.9%	31.3	750	18.0%	30.3	838	18.1%	33.8	881	17.9%	35.0	949	19.2%	36.7
	35 to 39	609	13.0%	22.2	493	11.8%	18.2	647	13.9%	24.2	679	13.8%	25.9	709	14.3%	27.8
	40 to 44	406	8.7%	16.1	372	8.9%	14.6	424	9.1%	16.4	497	10.1%	18.9	553	11.2%	20.6
	45 to 49	340	7.3%	13.2	300	7.2%	11.9	309	6.7%	12.5	352	7.1%	14.3	372	7.5%	15.1
	50 to 54	301	6.4%	11.9	259	6.2%	10.2	290	6.3%	11.4	253	5.1%	9.9	280	5.7%	11.0
	55 to 59	231	4.9%	9.0	182	4.4%	7.2	242	5.2%	9.7	264	5.4%	10.7	214	4.3%	8.8
	60 to 64	125	2.7%	5.3	124	3.0%	5.2	143	3.1%	5.9	132	2.7%	5.4	152	3.1%	6.2
	65 to 74	77	1.6%	2.2	74	1.8%	2.0	93	2.0%	2.5	86	1.7%	2.2	111	2.2%	2.8
	≥ 75	14	0.3%	0.6	13	0.3%	0.5	10	0.2%	0.4	20	0.4%	0.7	11	0.2%	0.4
Race/ethnicity	Latine	2,383	51.0%	15.2	2,150	51.5%	13.7	2,442	52.7%	15.5	2,820	57.2%	17.7	2,801	56.6%	17.5
	American Indian/Alaska Native	15	0.3%	8.7	7	0.2%	4.0	16	0.3%	9.2	20	0.4%	11.4	16	0.3%	9.1
	Asian	252	5.4%	4.8	213	5.1%	4.1	235	5.1%	4.5	251	5.1%	4.8	268	5.4%	5.1
	Black/African American	759	16.3%	33.3	670	16.1%	29.3	784	16.9%	34.2	707	14.3%	30.6	718	14.5%	30.9
	Native Hawaiian/Other Pacific Islander	12	0.3%	8.4	14	0.3%	9.8	16	0.3%	11.1	17	0.3%	11.8	16	0.3%	11.0
	White	1,083	23.2%	7.1	965	23.1%	6.4	1,023	22.1%	6.7	993	20.2%	6.5	1,032	20.9%	6.8
	Multiple races	165	3.5%	15.2	155	3.7%	14.1	122	2.6%	11.0	119	2.4%	10.5	97	2.0%	8.4
Gender	Cisgender men	3,968	85.0%	20.0	3,503	83.9%	17.6	3,890	83.9%	19.5	4,102	83.3%	20.5	4,023	81.3%	20.0
	Cisgender women	556	11.9%	2.8	524	12.6%	2.6	576	12.4%	2.9	645	13.1%	3.2	720	14.6%	3.6
	Trans women	135	2.9%	-	140	3.4%	-	156	3.4%	-	166	3.4%	-	170	3.4%	-
	Trans men	9	0.2%	-	5	0.1%	-	11	0.2%	-	3	0.1%	-	15	0.3%	-
	Alternative gender identity	1	0.0%	-	2	0.0%	-	5	0.1%	-	11	0.2%	-	20	0.4%	-
Total		4,669		11.7	4,174		10.5	4,638		11.6	4,927		12.3	4,948		12.3

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 1b. Persons newly diagnosed with HIV infection, by year of diagnosis and transmission category, 2019–2023 — California

Demographic group	Transmission category	2019	%	2020	%	2021	%	2022	%	2023	%
Cisgender men (age ≥12 at diagnosis)	Male-to-male sexual contact (MMSC)	2,848	71.8%	2,399	68.6%	2,637	67.8%	2,684	65.5%	2,505	62.3%
	Injection drug use (IDU)	143	3.6%	127	3.6%	164	4.2%	152	3.7%	147	3.7%
	MMSC and IDU	189	4.8%	140	4.0%	153	3.9%	170	4.1%	135	3.4%
	High-risk heterosexual contact	78	2.0%	70	2.0%	85	2.2%	84	2.0%	120	3.0%
	Heterosexual contact (non-high-risk)	334	8.4%	327	9.3%	379	9.8%	408	10.0%	477	11.9%
	Perinatal/Unknown risk/Other	372	9.4%	436	12.5%	469	12.1%	600	14.6%	639	15.9%
	Subtotal	3,964	84.9%	3,499	83.8%	3,887	83.8%	4,098	83.2%	4,023	81.3%
Cisgender women (age ≥12 at diagnosis)	Injection drug use (IDU)	77	13.9%	76	14.6%	85	14.8%	89	13.8%	82	11.4%
	High-risk heterosexual contact	157	28.3%	123	23.6%	126	22.0%	149	23.1%	185	25.8%
	Heterosexual contact (non-high-risk)	256	46.2%	239	45.8%	288	50.3%	316	49.1%	328	45.7%
	Perinatal/Unknown risk/Other	64	11.6%	84	16.1%	74	12.9%	90	14.0%	122	17.0%
	Subtotal	554	11.9%	522	12.5%	573	12.4%	644	13.1%	717	14.5%
Trans women (age ≥12 at diagnosis)	Sexual contact	129	95.6%	137	97.9%	146	93.6%	161	97.0%	158	92.9%
	Injection drug use (IDU)	1	0.7%	0	0.0%	3	1.9%	1	0.6%	3	1.8%
	Perinatal/Unknown risk/Other	5	3.7%	3	2.1%	7	4.5%	4	2.4%	9	5.3%
	Subtotal	135	2.9%	140	3.4%	156	3.4%	166	3.4%	170	3.4%
Trans men (age ≥12 at diagnosis)	Sexual contact	8	88.9%	3	60.0%	10	90.9%	3	100.0%	10	66.7%
	Injection drug use (IDU)	1	11.1%	2	40.0%	0	0.0%	0	0.0%	1	6.7%
	Perinatal/Unknown risk/Other	0	0.0%	0	0.0%	1	9.1%	0	0.0%	4	26.7%
	Subtotal	9	0.2%	5	0.1%	11	0.2%	3	0.1%	15	0.3%
Alternative gender (age ≥12 at diagnosis)	Sexual contact	1	100.0%	2	100.0%	4	80.0%	11	100.0%	19	95.0%
	Perinatal/Unknown risk/Other	0	0.0%	0	0.0%	1	20.0%	0	0.0%	1	5.0%
	Subtotal	1	0.0%	2	0.0%	5	0.1%	11	0.2%	20	0.4%
Child (age <12 at diagnosis)	Perinatal	6	100.0%	6	100.0%	6	100.0%	5	100.0%	3	100.0%
	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	6	0.1%	6	0.1%	6	0.1%	5	0.1%	3	0.1%
Total		4,669		4,174		4,638		4,927		4,948	

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, 2019–2023 — California

County of residence at diagnosis	2019			2020			2021			2022			2023		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	225	4.8%	13.5	165	4.0%	9.9	195	4.2%	11.6	212	4.3%	12.5	196	4.0%	11.5
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	0	0.0%	0.0	1	0.0%	2.7	0	0.0%	0.0	1	0.0%	2.6	1	0.0%	2.6
Butte	10	0.2%	4.7	12	0.3%	5.8	12	0.3%	5.3	16	0.3%	7.0	15	0.3%	6.6
Calaveras	2	0.0%	4.5	1	0.0%	2.3	1	0.0%	2.3	0	0.0%	0.0	1	0.0%	2.3
Colusa	5	0.1%	22.7	1	0.0%	4.5	3	0.1%	13.2	1	0.0%	4.4	1	0.0%	4.4
Contra Costa	98	2.1%	8.5	74	1.8%	6.4	109	2.4%	9.4	120	2.4%	10.3	126	2.5%	10.7
Del Norte	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	3.7	2	0.0%	7.5	1	0.0%	3.7
El Dorado	7	0.1%	3.7	6	0.1%	3.1	8	0.2%	4.2	6	0.1%	3.2	6	0.1%	3.1
Fresno	117	2.5%	11.5	129	3.1%	12.6	151	3.3%	14.8	172	3.5%	16.7	178	3.6%	17.2
Glenn	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	3.4
Humboldt	6	0.1%	4.5	4	0.1%	3.0	8	0.2%	6.0	10	0.2%	7.5	9	0.2%	6.7
Imperial	32	0.7%	16.9	28	0.7%	14.9	27	0.6%	14.1	21	0.4%	10.9	27	0.5%	13.9
Inyo	0	0.0%	0.0	1	0.0%	5.4	1	0.0%	5.5	0	0.0%	0.0	0	0.0%	0.0
Kern	181	3.9%	19.9	168	4.0%	18.4	187	4.0%	20.3	208	4.2%	22.4	215	4.3%	22.9
Kings	9	0.2%	5.9	8	0.2%	5.2	10	0.2%	6.4	11	0.2%	7.0	12	0.2%	7.6
Lake	4	0.1%	6.2	3	0.1%	4.7	1	0.0%	1.6	5	0.1%	7.8	7	0.1%	10.9
Lassen	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	2	0.0%	6.7	2	0.0%	6.7
Los Angeles	1,641	35.1%	16.1	1,465	35.1%	14.4	1,568	33.8%	15.4	1,640	33.3%	16.1	1,631	33.0%	16.0
Madera	7	0.1%	4.4	9	0.2%	5.7	13	0.3%	8.1	17	0.3%	10.4	24	0.5%	14.6
Marin	13	0.3%	5.0	14	0.3%	5.4	11	0.2%	4.3	15	0.3%	5.8	24	0.5%	9.3
Mariposa	0	0.0%	0.0	1	0.0%	5.6	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Mendocino	4	0.1%	4.5	5	0.1%	5.7	4	0.1%	4.5	2	0.0%	2.3	3	0.1%	3.4
Merced	27	0.6%	9.6	31	0.7%	10.9	39	0.8%	13.6	23	0.5%	8.0	53	1.1%	18.2
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	1	0.0%	7.4	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	7.2	0	0.0%	0.0
Monterey	29	0.6%	6.5	31	0.7%	7.0	39	0.8%	8.8	28	0.6%	6.3	30	0.6%	6.7
Napa	11	0.2%	7.9	6	0.1%	4.3	11	0.2%	7.9	16	0.3%	11.5	10	0.2%	7.2
Nevada	7	0.1%	7.2	3	0.1%	3.1	4	0.1%	4.1	2	0.0%	2.0	2	0.0%	2.0
Orange	245	5.2%	7.7	264	6.3%	8.3	269	5.8%	8.4	258	5.2%	8.0	262	5.3%	8.1
Placer	13	0.3%	3.3	17	0.4%	4.3	14	0.3%	3.5	9	0.2%	2.2	8	0.2%	2.0
Plumas	1	0.0%	5.4	1	0.0%	5.5	1	0.0%	5.2	0	0.0%	0.0	0	0.0%	0.0
Riverside	271	5.8%	11.2	244	5.8%	10.0	274	5.9%	11.1	324	6.6%	12.9	300	6.1%	11.8
Sacramento	168	3.6%	10.8	157	3.8%	10.0	182	3.9%	11.7	191	3.9%	12.2	186	3.8%	11.7
San Benito	2	0.0%	3.2	5	0.1%	8.0	2	0.0%	3.2	1	0.0%	1.6	4	0.1%	6.4
San Bernardino	303	6.5%	13.9	270	6.5%	12.4	304	6.6%	13.8	293	5.9%	13.2	296	6.0%	13.2
San Diego	431	9.2%	12.9	347	8.3%	10.4	418	9.0%	12.5	416	8.4%	12.4	393	7.9%	11.7
San Francisco	209	4.5%	23.3	157	3.8%	17.4	190	4.1%	21.3	211	4.3%	23.5	187	3.8%	20.7
San Joaquin	75	1.6%	9.8	89	2.1%	11.5	102	2.2%	13.2	101	2.0%	12.9	102	2.1%	12.9
San Luis Obispo	15	0.3%	5.4	11	0.3%	4.0	10	0.2%	3.6	12	0.2%	4.3	19	0.4%	6.8
San Mateo	55	1.2%	7.1	47	1.1%	6.1	50	1.1%	6.5	62	1.3%	8.0	77	1.6%	9.9
Santa Barbara	38	0.8%	8.4	25	0.6%	5.5	28	0.6%	6.2	31	0.6%	6.8	43	0.9%	9.4
Santa Clara	166	3.6%	8.5	116	2.8%	5.9	131	2.8%	6.6	162	3.3%	8.1	166	3.4%	8.3
Santa Cruz	14	0.3%	5.1	17	0.4%	6.3	19	0.4%	6.9	21	0.4%	7.6	15	0.3%	5.4
Shasta	7	0.1%	3.9	2	0.0%	1.1	2	0.0%	1.1	2	0.0%	1.1	10	0.2%	5.6
Sierra	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	32.3	0	0.0%	0.0	0	0.0%	0.0
Siskiyou	0	0.0%	0.0	4	0.1%	9.1	0	0.0%	0.0	2	0.0%	4.6	2	0.0%	4.6
Solano	41	0.9%	9.3	52	1.2%	11.8	43	0.9%	9.7	70	1.4%	15.6	57	1.2%	12.6
Sonoma	23	0.5%	4.6	37	0.9%	7.5	29	0.6%	5.8	42	0.9%	8.4	38	0.8%	7.5
Stanislaus	40	0.9%	7.2	28	0.7%	5.0	47	1.0%	8.4	56	1.1%	9.9	56	1.1%	9.8
Sutter	9	0.2%	8.8	8	0.2%	7.9	4	0.1%	4.0	3	0.1%	3.0	1	0.0%	1.0
Tehama	0	0.0%	0.0	2	0.0%	3.1	4	0.1%	6.3	4	0.1%	6.2	7	0.1%	10.9
Trinity	1	0.0%	7.5	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	7.6	1	0.0%	7.6
Tulare	33	0.7%	6.9	33	0.8%	6.9	40	0.9%	8.3	45	0.9%	9.3	49	1.0%	10.0
Tuolumne	1	0.0%	1.9	0	0.0%	0.0	2	0.0%	3.9	3	0.1%	5.8	2	0.0%	3.9
Ventura	47	1.0%	5.6	59	1.4%	7.0	51	1.1%	6.0	58	1.2%	6.8	65	1.3%	7.6
Yolo	21	0.4%	9.5	13	0.3%	5.9	15	0.3%	6.6	16	0.3%	7.0	22	0.4%	9.5
Yuba	4	0.1%	5.1	3	0.1%	3.8	3	0.1%	3.8	2	0.0%	2.5	5	0.1%	6.3
Total	4,669		11.7	4,174		10.5	4,638		11.6	4,927		12.3	4,948		12.3
Berkeley city	8	0.2%	6.6	10	0.2%	8.0	12	0.3%	10.2	7	0.1%	5.9	9	0.2%	7.6
Long Beach city	110	2.4%	23.8	97	2.3%	20.8	94	2.0%	20.6	90	1.8%	19.9	98	2.0%	21.8
Pasadena city	17	0.4%	12.1	17	0.4%	12.3	14	0.3%	10.3	10	0.2%	7.5	18	0.4%	13.5

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, 2019–2023 — California

Characteristic		2019			2020			2021			2022			2023		
		N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Age at year end (years)	0 to 11	93	0.1%	1.6	81	0.1%	1.4	77	0.1%	1.3	67	0.0%	1.2	63	0.0%	1.1
	12 to 14	57	0.0%	3.6	55	0.0%	3.5	49	0.0%	3.1	44	0.0%	2.9	38	0.0%	2.5
	15 to 17	117	0.1%	7.4	113	0.1%	7.1	110	0.1%	6.8	85	0.1%	5.2	85	0.1%	5.2
	18 to 19	225	0.2%	19.2	195	0.1%	16.8	219	0.2%	18.9	217	0.2%	18.6	213	0.1%	18.1
	20 to 24	2,832	2.1%	95.4	2,600	1.9%	88.1	2,431	1.7%	82.9	2,333	1.6%	79.8	2,276	1.6%	77.6
	25 to 29	8,093	5.9%	304.8	7,928	5.7%	295.3	7,596	5.4%	279.5	7,365	5.2%	271.2	6,845	4.8%	254.5
	30 to 34	11,777	8.5%	466.0	11,893	8.5%	480.1	12,165	8.6%	490.5	12,400	8.7%	492.0	12,433	8.7%	480.7
	35 to 39	12,621	9.2%	460.4	12,952	9.3%	477.3	13,332	9.5%	498.6	13,692	9.6%	523.2	14,079	9.8%	551.7
	40 to 44	12,869	9.3%	511.5	13,174	9.5%	518.7	13,511	9.6%	523.1	13,770	9.7%	523.1	13,942	9.7%	520.3
	45 to 49	15,451	11.2%	598.6	14,297	10.3%	567.2	13,664	9.7%	551.4	13,480	9.5%	547.2	13,320	9.3%	540.2
	50 to 54	20,508	14.9%	812.3	19,592	14.1%	774.6	18,680	13.3%	732.8	17,563	12.3%	688.2	16,356	11.4%	643.8
	55 to 59	22,007	16.0%	858.1	22,331	16.0%	882.1	21,880	15.5%	877.2	21,271	14.9%	864.1	20,473	14.3%	841.5
	60 to 64	14,958	10.9%	635.2	16,116	11.6%	676.4	17,228	12.2%	715.2	18,242	12.8%	753.0	19,064	13.3%	783.1
	65 to 74	13,457	9.8%	380.4	14,866	10.7%	405.9	16,347	11.6%	431.2	17,864	12.5%	460.7	19,283	13.5%	485.8
	≥ 75	2,712	2.0%	107.3	3,124	2.2%	119.0	3,553	2.5%	129.8	4,196	2.9%	144.9	4,784	3.3%	156.7
Race/ethnicity	Latine	53,361	38.7%	341.4	54,842	39.4%	349.7	56,466	40.1%	357.5	58,489	41.0%	367.5	60,274	42.1%	375.7
	American Indian/Alaska Native	270	0.2%	156.5	267	0.2%	154.3	272	0.2%	156.2	287	0.2%	163.8	291	0.2%	164.9
	Asian	5,676	4.1%	108.6	5,862	4.2%	112.4	6,041	4.3%	115.7	6,259	4.4%	119.5	6,481	4.5%	123.4
	Black/African American	22,504	16.3%	987.8	22,669	16.3%	992.7	22,942	16.3%	999.3	23,044	16.2%	997.2	22,731	15.9%	977.0
	Native Hawaiian/Other Pacific Islander	212	0.2%	147.8	226	0.2%	157.6	241	0.2%	167.6	258	0.2%	178.7	268	0.2%	184.9
	White	49,387	35.8%	324.3	49,081	35.2%	323.2	48,568	34.5%	319.4	48,041	33.7%	315.5	47,194	32.9%	309.3
	Multiple races	6,363	4.6%	587.3	6,366	4.6%	580.2	6,308	4.5%	566.3	6,207	4.4%	548.2	6,011	4.2%	522.2
	Unknown race	4	0.0%	-	4	0.0%	-	4	0.0%	-	4	0.0%	-	4	0.0%	-
Gender	Cisgender men	119,039	86.4%	599.8	120,267	86.3%	605.8	121,448	86.2%	609.1	122,746	86.1%	612.5	123,037	85.9%	610.6
	Cisgender women	16,137	11.7%	81.0	16,343	11.7%	82.0	16,552	11.8%	82.7	16,849	11.8%	83.8	17,095	11.9%	84.6
	Trans women	2,511	1.8%	-	2,614	1.9%	-	2,731	1.9%	-	2,867	2.0%	-	2,952	2.1%	-
	Trans men	83	0.1%	-	85	0.1%	-	95	0.1%	-	98	0.1%	-	112	0.1%	-
	Alternative gender identity	7	0.0%	-	8	0.0%	-	16	0.0%	-	29	0.0%	-	58	0.0%	-
Total		137,777		346.5	139,317		350.2	140,842		352.5	142,589		355.2	143,254		355.0

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, 2019–2023 — California

Demographic group	Transmission category	2019	%	2020	%	2021	%	2022	%	2023	%
Cisgender men (age ≥12 at year end)	Male-to-male sexual contact (MMSC)	92,021	77.3%	92,897	77.3%	93,709	77.2%	94,466	77.0%	94,229	76.6%
	Injection drug use (IDU)	4,947	4.2%	4,918	4.1%	4,850	4.0%	4,800	3.9%	4,759	3.9%
	MMSC and IDU	9,132	7.7%	8,945	7.4%	8,760	7.2%	8,547	7.0%	8,235	6.7%
	High-risk heterosexual contact	3,600	3.0%	3,580	3.0%	3,576	2.9%	3,590	2.9%	3,596	2.9%
	Heterosexual contact (non-high-risk)	4,516	3.8%	4,749	4.0%	5,030	4.1%	5,326	4.3%	5,696	4.6%
	Perinatal/Unknown risk/Other	4,780	4.0%	5,138	4.3%	5,487	4.5%	5,985	4.9%	6,495	5.3%
	Subtotal	118,996	86.4%	120,227	86.3%	121,412	86.2%	122,714	86.1%	123,010	85.9%
Cisgender women (age ≥12 at year end)	Injection drug use (IDU)	2,691	16.7%	2,662	16.3%	2,653	16.1%	2,626	15.6%	2,590	15.2%
	High-risk heterosexual contact	8,105	50.4%	8,096	49.7%	8,037	48.7%	8,040	47.8%	8,013	47.0%
	Heterosexual contact (non-high-risk)	3,779	23.5%	3,956	24.3%	4,186	25.4%	4,447	26.4%	4,693	27.5%
	Perinatal/Unknown risk/Other	1,512	9.4%	1,588	9.7%	1,635	9.9%	1,701	10.1%	1,763	10.3%
	Subtotal	16,087	11.7%	16,302	11.7%	16,511	11.7%	16,814	11.8%	17,059	11.9%
Trans women (age ≥12 at year end)	Sexual contact	2,466	98.2%	2,569	98.3%	2,676	98.0%	2,805	97.8%	2,881	97.6%
	Injection drug use (IDU)	13	0.5%	11	0.4%	13	0.5%	16	0.6%	16	0.5%
	Perinatal/Unknown risk/Other	32	1.3%	34	1.3%	42	1.5%	46	1.6%	55	1.9%
	Subtotal	2,511	1.8%	2,614	1.9%	2,731	1.9%	2,867	2.0%	2,952	2.1%
Trans men (age ≥12 at year end)	Sexual contact	56	67.5%	57	67.1%	66	69.5%	70	71.4%	79	70.5%
	Injection drug use (IDU)	15	18.1%	16	18.8%	16	16.8%	14	14.3%	15	13.4%
	Perinatal/Unknown risk/Other	12	14.5%	12	14.1%	13	13.7%	14	14.3%	18	16.1%
	Subtotal	83	0.1%	85	0.1%	95	0.1%	98	0.1%	112	0.1%
Alternative gender (age ≥12 at year end)	Sexual contact	4	57.1%	6	75.0%	12	75.0%	25	86.2%	48	82.8%
	MMSC and IDU	3	42.9%	2	25.0%	3	18.8%	3	10.3%	8	13.8%
	Perinatal/Unknown risk/Other	0	0.0%	0	0.0%	1	6.3%	1	3.4%	2	3.4%
	Subtotal	7	0.0%	8	0.0%	16	0.0%	29	0.0%	58	0.0%
Child (age <12 at year end)	Perinatal	77	82.8%	68	84.0%	66	85.7%	60	89.6%	57	90.5%
	Unknown risk	14	15.1%	11	13.6%	9	11.7%	6	9.0%	6	9.5%
	Other	2	2.2%	2	2.5%	2	2.6%	1	1.5%	0	0.0%
	Subtotal	93	0.1%	81	0.1%	77	0.1%	67	0.0%	63	0.0%
Total		137,777		139,317		140,842		142,589		143,254	

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.

Table 2c. Persons living with diagnosed HIV infection, by year and current local health jurisdiction, 2019–2023 — California

County of current residence	2019			2020			2021			2022			2023		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	6,311	4.6%	378.1	6,238	4.5%	373.1	6,214	4.4%	370.2	6,217	4.4%	368.0	6,250	4.4%	367.4
Alpine	2	0.0%	178.1	2	0.0%	179.4	2	0.0%	176.5	2	0.0%	175.6	2	0.0%	173.3
Amador	191	0.1%	506.3	188	0.1%	500.3	182	0.1%	479.1	185	0.1%	484.8	196	0.1%	511.4
Butte	257	0.2%	119.8	263	0.2%	127.4	255	0.2%	112.4	265	0.2%	116.4	287	0.2%	125.5
Calaveras	50	0.0%	112.6	51	0.0%	115.2	51	0.0%	115.5	56	0.0%	126.8	54	0.0%	122.1
Colusa	18	0.0%	81.7	19	0.0%	86.1	19	0.0%	83.4	22	0.0%	96.2	21	0.0%	91.5
Contra Costa	2,768	2.0%	241.3	2,806	2.0%	244.0	2,814	2.0%	242.7	2,861	2.0%	244.9	2,875	2.0%	244.1
Del Norte	35	0.0%	128.6	40	0.0%	147.1	46	0.0%	171.4	50	0.0%	186.6	48	0.0%	179.4
El Dorado	228	0.2%	120.8	223	0.2%	116.1	237	0.2%	125.3	235	0.2%	123.7	237	0.2%	124.0
Fresno	2,103	1.5%	206.5	2,184	1.6%	212.8	2,253	1.6%	220.5	2,372	1.7%	230.5	2,461	1.7%	237.3
Glenn	22	0.0%	75.7	23	0.0%	77.9	19	0.0%	65.1	20	0.0%	68.5	22	0.0%	75.1
Humboldt	227	0.2%	169.6	219	0.2%	165.0	239	0.2%	178.1	248	0.2%	184.9	249	0.2%	185.6
Imperial	355	0.3%	187.9	369	0.3%	196.2	405	0.3%	211.4	423	0.3%	219.2	441	0.3%	226.7
Inyo	20	0.0%	108.3	21	0.0%	114.0	21	0.0%	115.6	24	0.0%	132.3	27	0.0%	149.2
Kern	1,848	1.3%	203.1	1,999	1.4%	219.0	2,174	1.5%	236.1	2,339	1.6%	251.5	2,478	1.7%	263.7
Kings	205	0.1%	133.5	207	0.1%	133.8	196	0.1%	126.4	208	0.1%	133.2	213	0.1%	135.4
Lake	150	0.1%	234.1	145	0.1%	227.4	142	0.1%	221.3	148	0.1%	230.8	148	0.1%	230.8
Lassen	29	0.0%	100.1	23	0.0%	79.7	29	0.0%	96.8	31	0.0%	103.9	29	0.0%	97.6
Los Angeles	52,604	38.2%	515.2	52,917	38.0%	520.2	53,000	37.6%	519.7	52,871	37.1%	517.9	52,247	36.5%	511.1
Madera	190	0.1%	120.5	218	0.2%	137.3	243	0.2%	150.8	270	0.2%	165.9	289	0.2%	175.7
Marin	828	0.6%	317.3	808	0.6%	312.0	798	0.6%	309.1	784	0.5%	304.1	760	0.5%	295.0
Mariposa	22	0.0%	123.3	18	0.0%	101.2	21	0.0%	119.5	23	0.0%	131.0	15	0.0%	85.6
Mendocino	173	0.1%	196.3	178	0.1%	203.4	180	0.1%	203.9	175	0.1%	198.1	171	0.1%	193.3
Merced	318	0.2%	112.9	351	0.3%	123.3	399	0.3%	139.6	425	0.3%	147.3	447	0.3%	153.3
Modoc	3	0.0%	31.7	4	0.0%	42.5	3	0.0%	32.0	3	0.0%	32.0	5	0.0%	53.3
Mono	9	0.0%	66.2	9	0.0%	66.9	9	0.0%	65.0	9	0.0%	64.8	10	0.0%	71.8
Monterey	771	0.6%	173.9	782	0.6%	177.2	794	0.6%	178.4	790	0.6%	176.6	800	0.6%	178.0
Napa	275	0.2%	196.6	292	0.2%	210.5	293	0.2%	210.2	296	0.2%	212.2	300	0.2%	214.5
Nevada	141	0.1%	144.2	144	0.1%	147.8	144	0.1%	146.9	140	0.1%	142.6	138	0.1%	140.2
Orange	7,256	5.3%	227.1	7,400	5.3%	231.9	7,543	5.4%	235.0	7,656	5.4%	237.9	7,780	5.4%	241.0
Placer	378	0.3%	95.8	387	0.3%	97.4	421	0.3%	106.2	427	0.3%	106.6	424	0.3%	104.7
Plumas	20	0.0%	108.4	22	0.0%	120.6	24	0.0%	125.5	28	0.0%	147.1	25	0.0%	131.7
Riverside	9,728	7.1%	400.6	10,152	7.3%	414.5	10,555	7.5%	426.0	10,997	7.7%	438.8	11,263	7.9%	444.2
Sacramento	4,543	3.3%	293.3	4,670	3.4%	298.9	4,747	3.4%	304.6	4,777	3.4%	303.9	4,869	3.4%	307.0
San Benito	51	0.0%	82.2	58	0.0%	92.4	61	0.0%	98.8	58	0.0%	93.4	64	0.0%	102.3
San Bernardino	4,898	3.6%	225.1	5,022	3.6%	229.9	5,241	3.7%	238.2	5,435	3.8%	245.2	5,550	3.9%	248.4
San Diego	13,793	10.0%	412.1	13,897	10.0%	414.6	14,110	10.0%	422.0	14,314	10.0%	426.5	14,406	10.1%	427.5
San Francisco	12,530	9.1%	1396.7	12,210	8.8%	1356.8	11,919	8.5%	1335.6	11,845	8.3%	1319.9	11,621	8.1%	1287.5
San Joaquin	1,399	1.0%	182.2	1,468	1.1%	189.2	1,540	1.1%	198.6	1,638	1.1%	209.0	1,699	1.2%	214.4
San Luis Obispo	390	0.3%	140.7	387	0.3%	140.1	401	0.3%	143.9	409	0.3%	146.5	412	0.3%	147.1
San Mateo	1,657	1.2%	213.5	1,643	1.2%	212.0	1,626	1.2%	209.8	1,648	1.2%	211.9	1,661	1.2%	212.8
Santa Barbara	594	0.4%	131.4	609	0.4%	134.9	628	0.4%	138.5	640	0.4%	140.6	673	0.5%	147.3
Santa Clara	3,648	2.6%	186.0	3,716	2.7%	189.4	3,770	2.7%	190.9	3,929	2.8%	197.6	4,064	2.8%	203.1
Santa Cruz	538	0.4%	197.7	554	0.4%	205.1	554	0.4%	201.4	551	0.4%	199.6	540	0.4%	194.9
Shasta	224	0.2%	126.1	226	0.2%	127.2	227	0.2%	128.6	228	0.2%	129.0	228	0.2%	128.8
Sierra	5	0.0%	159.9	4	0.0%	128.3	3	0.0%	96.8	3	0.0%	97.5	4	0.0%	129.8
Siskiyou	64	0.0%	145.5	66	0.0%	150.7	63	0.0%	145.4	67	0.0%	155.2	69	0.0%	160.2
Solano	1,322	1.0%	300.5	1,361	1.0%	309.2	1,409	1.0%	316.4	1,434	1.0%	319.5	1,506	1.1%	332.6
Sonoma	1,446	1.0%	292.1	1,473	1.1%	299.9	1,444	1.0%	288.3	1,476	1.0%	293.5	1,501	1.0%	297.2
Stanislaus	847	0.6%	152.8	851	0.6%	153.1	877	0.6%	156.1	920	0.6%	162.4	957	0.7%	167.5
Sutter	111	0.1%	108.0	122	0.1%	120.6	126	0.1%	127.0	126	0.1%	126.3	125	0.1%	124.6
Tehama	46	0.0%	70.6	47	0.0%	72.0	46	0.0%	71.9	54	0.0%	84.3	56	0.0%	87.3
Trinity	16	0.0%	119.6	15	0.0%	112.9	13	0.0%	98.6	14	0.0%	106.4	15	0.0%	114.4
Tulare	495	0.4%	103.6	522	0.4%	108.6	553	0.4%	114.8	588	0.4%	121.2	607	0.4%	124.2
Tuolumne	54	0.0%	102.7	61	0.0%	116.5	57	0.0%	110.2	57	0.0%	110.3	67	0.0%	129.8
Ventura	1,156	0.8%	136.9	1,206	0.9%	143.3	1,256	0.9%	147.8	1,301	0.9%	152.8	1,346	0.9%	157.6
Yolo	321	0.2%	145.4	328	0.2%	147.9	340	0.2%	150.5	365	0.3%	159.8	387	0.3%	167.7
Yuba	94	0.1%	120.4	99	0.1%	125.2	106	0.1%	135.7	112	0.1%	142.4	115	0.1%	145.3
Total	137,777		346.5	139,317		350.2	140,842		352.5	142,589		355.2	143,254		355.0
Berkeley city	465	0.3%	383.2	487	0.3%	391.7	476	0.3%	406.3	466	0.3%	391.8	470	0.3%	395.1
Long Beach city	4,299	3.1%	929.2	4,279	3.1%	916.8	4,212	3.0%	923.6	4,089	2.9%	906.0	3,973	2.8%	883.9
Pasadena city	614	0.4%	435.3	626	0.4%	451.3	631	0.4%	464.8	608	0.4%	453.0	617	0.4%	462.0

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 LHJ numbers).

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Table 2d. Continuum of HIV care for persons living with diagnosed HIV infection, 2023 — California

Jurisdiction of residence (by name)	No. people living and diagnosed with HIV	In care		Virally suppressed	
		N	%	N	%
2025 National EHE Goals			95.0%		95.0%
California	143,254	107,606	75.1%	95,199	66.5%
Alameda	6,250	4,940	79.0%	4,490	71.8%
Alpine	-	-	-	-	-
Amador	196	174	88.8%	169	86.2%
Butte	287	236	82.2%	53	18.5%
Calaveras	54	40	74.1%	31	57.4%
Colusa	21	18	85.7%	9	42.9%
Contra Costa	2,875	2,299	80.0%	2,077	72.2%
Del Norte	48	37	77.1%	32	66.7%
El Dorado	237	197	83.1%	176	74.3%
Fresno	2,461	2,021	82.1%	1,737	70.6%
Glenn	22	14	63.6%	7	31.8%
Humboldt	249	211	84.7%	198	79.5%
Imperial	441	293	66.4%	249	56.5%
Inyo	27	22	81.5%	20	74.1%
Kern	2,478	1,718	69.3%	1,412	57.0%
Kings	213	140	65.7%	119	55.9%
Lake	148	127	85.8%	117	79.1%
Lassen	29	18	62.1%	16	55.2%
Los Angeles	52,247	38,182	73.1%	33,749	64.6%
Madera	289	222	76.8%	196	67.8%
Marin	760	566	74.5%	535	70.4%
Mariposa	15	14	93.3%	12	80.0%
Mendocino	171	137	80.1%	117	68.4%
Merced	447	364	81.4%	309	69.1%
Modoc	5	4	80.0%	4	80.0%
Mono	10	9	90.0%	8	80.0%
Monterey	800	593	74.1%	537	67.1%
Napa	300	243	81.0%	224	74.7%
Nevada	138	107	77.5%	95	68.8%
Orange	7,780	5,445	70.0%	4,889	62.8%
Placer	424	336	79.2%	302	71.2%
Plumas	25	21	84.0%	18	72.0%
Riverside	11,263	9,261	82.2%	8,554	75.9%
Sacramento	4,869	3,865	79.4%	3,464	71.1%
San Benito	64	44	68.8%	38	59.4%
San Bernardino	5,550	3,821	68.8%	3,344	60.3%
San Diego	14,406	10,216	70.9%	8,553	59.4%
San Francisco	11,621	9,279	79.8%	8,644	74.4%

Table 2d. Continuum of HIV care for persons living with diagnosed HIV infection, 2023 — California

Jurisdiction of residence (by name)	No. people living and diagnosed with HIV		In care		Virally suppressed	
	N		%		N	%
2025 National EHE Goals			95.0%			95.0%
San Joaquin	1,699	1,292	76.0%		1,143	67.3%
San Luis Obispo	412	276	67.0%		241	58.5%
San Mateo	1,661	1,255	75.6%		919	55.3%
Santa Barbara	673	477	70.9%		418	62.1%
Santa Clara	4,064	3,108	76.5%		2,756	67.8%
Santa Cruz	540	437	80.9%		396	73.3%
Shasta	228	188	82.5%		163	71.5%
Sierra	-	-	-		-	-
Siskiyou	69	55	79.7%		47	68.1%
Solano	1,506	1,132	75.2%		1,023	67.9%
Sonoma	1,501	1,314	87.5%		1,256	83.7%
Stanislaus	957	742	77.5%		659	68.9%
Sutter	125	97	77.6%		49	39.2%
Tehama	56	43	76.8%		22	39.3%
Trinity	-	-	-		-	-
Tulare	607	482	79.4%		415	68.4%
Tuolumne	67	44	65.7%		35	52.2%
Ventura	1,346	1,016	75.5%		814	60.5%
Yolo	387	306	79.1%		271	70.0%
Yuba	115	87	75.7%		49	42.6%
Berkeley	470	365	77.7%		343	73.0%
Long Beach	3,973	3,020	76.0%		2,772	69.8%
Pasadena	617	489	79.3%		446	72.3%

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, 2019–2023 — California

Characteristic		2019			2020			2021			2022			2023		
		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	0.0%	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	0	0.0%	0.0
	18 to 19	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	2	0.1%	0.2
	20 to 24	12	0.6%	0.4	11	0.5%	0.4	8	0.3%	0.3	7	0.3%	0.2	9	0.4%	0.3
	25 to 29	45	2.4%	1.7	35	1.7%	1.3	52	2.3%	1.9	60	2.7%	2.2	52	2.3%	1.9
	30 to 34	61	3.3%	2.4	77	3.6%	3.1	113	4.9%	4.6	94	4.3%	3.7	111	4.9%	4.3
	35 to 39	104	5.6%	3.8	94	4.4%	3.5	128	5.6%	4.8	132	6.0%	5.0	156	6.9%	6.1
	40 to 44	106	5.7%	4.2	111	5.3%	4.4	135	5.9%	5.2	147	6.7%	5.6	149	6.6%	5.6
	45 to 49	122	6.6%	4.7	160	7.6%	6.3	153	6.7%	6.2	154	7.0%	6.3	119	5.3%	4.8
	50 to 54	241	13.0%	9.5	254	12.0%	10.0	231	10.1%	9.1	215	9.7%	8.4	200	8.9%	7.9
	55 to 59	327	17.6%	12.8	378	17.9%	14.9	413	18.0%	16.6	336	15.2%	13.6	294	13.1%	12.1
	60 to 64	320	17.3%	13.6	351	16.6%	14.7	366	16.0%	15.2	355	16.1%	14.7	353	15.7%	14.5
	65 to 74	348	18.8%	9.8	441	20.9%	12.0	484	21.1%	12.8	501	22.7%	12.9	528	23.4%	13.3
	≥ 75	168	9.1%	6.6	201	9.5%	7.7	209	9.1%	7.6	209	9.5%	7.2	279	12.4%	9.1
Race/ethnicity	Latine	515	27.8%	3.3	627	29.7%	4.0	706	30.8%	4.5	708	32.0%	4.4	737	32.7%	4.6
	American Indian/Alaska Native	2	0.1%	1.2	1	0.0%	0.6	8	0.3%	4.6	5	0.2%	2.9	5	0.2%	2.8
	Asian	32	1.7%	0.6	40	1.9%	0.8	45	2.0%	0.9	42	1.9%	0.8	31	1.4%	0.6
	Black/African American	359	19.4%	15.8	428	20.2%	18.7	454	19.8%	19.8	438	19.8%	19.0	426	18.9%	18.3
	Native Hawaiian/Other Pacific Islander	2	0.1%	1.4	2	0.1%	1.4	2	0.1%	1.4	1	0.0%	0.7	1	0.0%	0.7
	White	841	45.4%	5.5	883	41.8%	5.8	912	39.8%	6.0	879	39.8%	5.8	882	39.2%	5.8
	Multiple races	103	5.6%	9.5	133	6.3%	12.1	165	7.2%	14.8	137	6.2%	12.1	170	7.5%	14.8
Gender	Cisgender men	1,596	86.1%	8.0	1,824	86.3%	9.2	1,939	84.6%	9.7	1,890	85.5%	9.4	1,900	84.4%	9.4
	Cisgender women	238	12.8%	1.2	253	12.0%	1.3	305	13.3%	1.5	280	12.7%	1.4	298	13.2%	1.5
	Trans women	20	1.1%	-	35	1.7%	-	48	2.1%	-	38	1.7%	-	54	2.4%	-
	Trans men	0	0.0%	-	2	0.1%	-	0	0.0%	-	2	0.1%	-	0	0.0%	-
	Alternative gender identity	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Total		1,854		4.7	2,114		5.3	2,292		5.7	2,210		5.5	2,252		5.6

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, 2019–2023 California

Demographic group	Transmission category	2019	%	2020	%	2021	%	2022	%	2023	%
Cisgender men (age ≥12 at death)	Male-to-male sexual contact (MMSC)	1,053	66.0%	1,154	63.3%	1,219	62.9%	1,190	63.0%	1,218	64.1%
	Injection drug use (IDU)	133	8.3%	146	8.0%	189	9.7%	160	8.5%	149	7.8%
	MMSC and IDU	204	12.8%	265	14.5%	257	13.3%	264	14.0%	234	12.3%
	High-risk heterosexual contact	57	3.6%	74	4.1%	74	3.8%	67	3.5%	80	4.2%
	Heterosexual contact (non-high-risk)	57	3.6%	85	4.7%	83	4.3%	104	5.5%	88	4.6%
	Perinatal/Unknown risk/Other	92	5.8%	100	5.5%	117	6.0%	105	5.6%	131	6.9%
	Subtotal	1,596	86.1%	1,824	86.3%	1,939	84.6%	1,890	85.5%	1,900	84.4%
Cisgender women (age ≥12 at death)	Injection drug use	92	38.7%	84	33.2%	93	30.5%	98	35.0%	81	27.2%
	High-risk heterosexual contact	95	39.9%	93	36.8%	129	42.3%	95	33.9%	113	37.9%
	Heterosexual contact (non-high-risk)	38	16.0%	51	20.2%	59	19.3%	56	20.0%	64	21.5%
	Perinatal/Unknown risk/Other	13	5.5%	25	9.9%	24	7.9%	31	11.1%	40	13.4%
	Subtotal	238	12.8%	253	12.0%	305	13.3%	280	12.7%	298	13.2%
Trans women (age ≥12 at death)	Sexual contact	19	95.0%	34	97.1%	47	97.9%	38	100.0%	51	94.4%
	Injection drug use (IDU)	1	5.0%	1	2.9%	0	0.0%	0	0.0%	2	3.7%
	Perinatal/Unknown risk/Other	0	0.0%	0	0.0%	1	2.1%	0	0.0%	1	1.9%
	Subtotal	20	1.1%	35	1.7%	48	2.1%	38	1.7%	54	2.4%
Trans men (age ≥12 at death)	Sexual contact	0	0.0%	1	50.0%	0	0.0%	1	50.0%	0	0.0%
	Injection drug use	0	0.0%	1	50.0%	0	0.0%	1	50.0%	0	0.0%
	Perinatal/Unknown risk/Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Subtotal	0	0.0%	2	0.1%	0	0.0%	2	0.1%	0	0.0%
Alternative gender (age ≥12 at death)	Sexual contact	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Injection drug use	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Subtotal	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Child (age <12 at death)	Perinatal/Unknown risk/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		1,854		2,114		2,292		2,210		2,252	

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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, 2019–2023 — California

County of residence at death	2019			2020			2021			2022			2023		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	78	4.2%	4.7	103	4.9%	6.2	101	4.4%	6.0	104	4.7%	6.2	120	5.3%	7.1
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	0	0.0%	0.0	2	0.1%	5.3	0	0.0%	0.0	1	0.0%	2.6
Butte	10	0.5%	4.7	9	0.4%	4.4	8	0.3%	3.5	10	0.5%	4.4	6	0.3%	2.6
Calaveras	3	0.2%	6.8	3	0.1%	6.8	0	0.0%	0.0	1	0.0%	2.3	2	0.1%	4.5
Colusa	1	0.1%	4.5	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Contra Costa	45	2.4%	3.9	28	1.3%	2.4	46	2.0%	4.0	33	1.5%	2.8	40	1.8%	3.4
Del Norte	0	0.0%	0.0	1	0.0%	3.7	1	0.0%	3.7	0	0.0%	0.0	1	0.0%	3.7
El Dorado	2	0.1%	1.1	5	0.2%	2.6	2	0.1%	1.1	5	0.2%	2.6	5	0.2%	2.6
Fresno	31	1.7%	3.0	43	2.0%	4.2	66	2.9%	6.5	36	1.6%	3.5	62	2.8%	6.0
Glenn	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
Humboldt	3	0.2%	2.2	7	0.3%	5.3	6	0.3%	4.5	7	0.3%	5.2	10	0.4%	7.5
Imperial	4	0.2%	2.1	4	0.2%	2.1	5	0.2%	2.6	8	0.4%	4.2	8	0.4%	4.1
Inyo	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	5.5	0	0.0%	0.0	0	0.0%	0.0
Kern	35	1.9%	3.8	39	1.8%	4.3	45	2.0%	4.9	49	2.2%	5.3	59	2.6%	6.3
Kings	2	0.1%	1.3	2	0.1%	1.3	8	0.3%	5.2	4	0.2%	2.6	2	0.1%	1.3
Lake	6	0.3%	9.4	3	0.1%	4.7	4	0.2%	6.2	6	0.3%	9.3	6	0.3%	9.4
Lassen	1	0.1%	3.5	2	0.1%	6.9	0	0.0%	0.0	1	0.0%	3.3	0	0.0%	0.0
Los Angeles	572	30.9%	5.6	779	36.8%	7.7	774	33.8%	7.6	770	34.8%	7.6	708	31.4%	6.9
Madera	3	0.2%	1.9	4	0.2%	2.5	7	0.3%	4.3	2	0.1%	1.2	8	0.4%	4.9
Marin	10	0.5%	3.8	12	0.6%	4.6	12	0.5%	4.6	12	0.5%	4.6	11	0.5%	4.3
Mariposa	0	0.0%	0.0	2	0.1%	11.2	0	0.0%	0.0	2	0.1%	11.4	0	0.0%	0.0
Mendocino	2	0.1%	2.3	2	0.1%	2.3	7	0.3%	7.9	1	0.0%	1.1	2	0.1%	2.3
Merced	13	0.7%	4.6	9	0.4%	3.2	8	0.3%	2.8	8	0.4%	2.8	7	0.3%	2.4
Modoc	1	0.1%	10.6	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	1	0.0%	7.2	1	0.0%	7.2	1	0.0%	7.2
Monterey	13	0.7%	2.9	15	0.7%	3.4	14	0.6%	3.1	8	0.4%	1.8	12	0.5%	2.7
Napa	5	0.3%	3.6	1	0.0%	0.7	4	0.2%	2.9	8	0.4%	5.7	3	0.1%	2.1
Nevada	4	0.2%	4.1	2	0.1%	2.1	3	0.1%	3.1	4	0.2%	4.1	2	0.1%	2.0
Orange	94	5.1%	2.9	79	3.7%	2.5	103	4.5%	3.2	97	4.4%	3.0	91	4.0%	2.8
Placer	9	0.5%	2.3	7	0.3%	1.8	7	0.3%	1.8	9	0.4%	2.3	10	0.4%	2.5
Plumas	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	5.2	0	0.0%	0.0
Riverside	188	10.1%	7.7	213	10.1%	8.7	240	10.5%	9.7	192	8.7%	7.7	208	9.2%	8.2
Sacramento	79	4.3%	5.1	72	3.4%	4.6	80	3.5%	5.1	93	4.2%	6.0	105	4.7%	6.6
San Benito	0	0.0%	0.0	1	0.0%	1.6	0	0.0%	0.0	1	0.0%	1.6	1	0.0%	1.6
San Bernardino	70	3.8%	3.2	96	4.5%	4.4	106	4.6%	4.8	105	4.8%	4.8	97	4.3%	4.3
San Diego	162	8.7%	4.8	133	6.3%	4.0	192	8.4%	5.7	188	8.5%	5.6	199	8.8%	5.9
San Francisco	193	10.4%	21.5	223	10.5%	24.8	202	8.8%	22.6	214	9.7%	24.0	190	8.4%	21.0
San Joaquin	35	1.9%	4.6	30	1.4%	3.9	40	1.7%	5.2	38	1.7%	4.9	33	1.5%	4.2
San Luis Obispo	5	0.3%	1.8	4	0.2%	1.4	6	0.3%	2.2	9	0.4%	3.2	11	0.5%	3.9
San Mateo	20	1.1%	2.6	14	0.7%	1.8	20	0.9%	2.6	25	1.1%	3.2	24	1.1%	3.1
Santa Barbara	8	0.4%	1.8	12	0.6%	2.7	7	0.3%	1.5	10	0.5%	2.2	10	0.4%	2.2
Santa Clara	27	1.5%	1.4	39	1.8%	2.0	31	1.4%	1.6	41	1.9%	2.1	46	2.0%	2.3
Santa Cruz	4	0.2%	1.5	7	0.3%	2.6	4	0.2%	1.5	5	0.2%	1.8	16	0.7%	5.8
Shasta	7	0.4%	3.9	7	0.3%	3.9	4	0.2%	2.3	2	0.1%	1.1	8	0.4%	4.5
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%	2.3	0	0.0%	0.0	7	0.3%	16.2	0	0.0%	0.0	2	0.1%	4.6
Solano	18	1.0%	4.1	12	0.6%	2.7	21	0.9%	4.7	19	0.9%	4.3	27	1.2%	6.0
Sonoma	29	1.6%	5.9	27	1.3%	5.5	25	1.1%	5.0	22	1.0%	4.4	23	1.0%	4.6
Stanislaus	20	1.1%	3.6	18	0.9%	3.2	20	0.9%	3.6	21	1.0%	3.7	27	1.2%	4.7
Sutter	1	0.1%	1.0	3	0.1%	3.0	2	0.1%	2.0	1	0.0%	1.0	4	0.2%	4.0
Tehama	4	0.2%	6.1	2	0.1%	3.1	2	0.1%	3.1	1	0.0%	1.6	1	0.0%	1.6
Trinity	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	7.6	0	0.0%	0.0	1	0.0%	7.6
Tulare	10	0.5%	2.1	14	0.7%	2.9	9	0.4%	1.9	9	0.4%	1.9	17	0.8%	3.5
Tuolumne	1	0.1%	1.9	0	0.0%	0.0	1	0.0%	1.9	3	0.1%	5.8	0	0.0%	0.0
Ventura	19	1.0%	2.3	23	1.1%	2.7	27	1.2%	3.2	18	0.8%	2.1	17	0.8%	2.0
Yolo	4	0.2%	1.8	1	0.0%	0.5	6	0.3%	2.7	5	0.2%	2.2	6	0.3%	2.6
Yuba	1	0.1%	1.3	2	0.1%	2.5	4	0.2%	5.1	1	0.0%	1.3	2	0.1%	2.5
Total	1,854		4.7	2,114		5.3	2,292		5.7	2,210		5.5	2,252		5.6
Berkeley city	4	0.2%	3.3	9	0.4%	7.2	4	0.2%	3.4	6	0.3%	5.1	9	0.4%	7.6
Long Beach city	44	2.4%	9.5	76	3.6%	16.3	61	2.7%	13.4	67	3.0%	14.7	53	2.4%	11.8
Pasadena city	4	0.2%	2.8	7	0.3%	5.0	13	0.6%	9.6	9	0.4%	6.6	9	0.4%	6.7

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).