



California HIV Surveillance Report — 2020

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 April 20, 2022

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 2016–2020
- Number and rate of all persons living with diagnosed HIV infection during 2016–2020
- Number and rate of deaths among persons with diagnosed HIV infection during 2016–2020

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 2016 through 2020, both the annual number and rate of new HIV diagnoses declined in California. The number of new diagnoses declined by 22.9% — from 5,140 in 2016 to 3,965 in 2020, while the rate of new diagnoses per 100,000 population declined by 24.4%, from 13.1 to 9.9 during the same time period.
- From 2016 through 2020, the number of persons in California living with diagnosed HIV infection increased from approximately 133,126 to over 139,000. In 2020, the prevalence rate of diagnosed HIV infection was 348.1 per 100,000 population, compared to 338.7 in 2016— an increase of 2.8%.
- Of the 139,703 people living with diagnosed HIV infection in 2020, 71.8% were in HIV care and 63.0% 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 2016 through 2020, the annual number of deaths of persons with diagnosed HIV infection in California decreased from 1,864 to 1,806. In 2020, the crude death rate of persons with diagnosed HIV infection was 4.5 per 100,000 population — a 4.3% decrease since 2016. 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 — 2020.

Table of Tables

Table 1a. Persons newly diagnosed with HIV infection, by year of diagnosis and selected demographic characteristics, 2016–2020 — California.....Page 6

Table 1b. Persons newly diagnosed with HIV infection, by year of diagnosis and transmission category, 2016–2020 — California.....Page 7

Table 1c. Persons newly diagnosed with HIV infection, by year of diagnosis and local health jurisdiction, 2016–2020 — California.....Page 8

Table 2a. Persons living with diagnosed HIV infection, by year and selected demographic characteristics, 2016–2020 — California.....Page 9

Table 2b. Persons living with diagnosed HIV infection, by year and transmission category, 2016– 2020 — California.....Page 10

Table 2c. Persons living with diagnosed HIV infection, by year and current local health jurisdiction, 2016– 2020 — California.....Page 11

Table 2d. Continuum of HIV care for persons living with diagnosed HIV infection, 2020— California.....Page 12

Table 3a. Deaths among persons with diagnosed HIV infection, by year and selected demographic characteristics, 2016–2020— California.....Page 14

Table 3b. Deaths among persons with diagnosed HIV infection, by year and transmission category, 2016–2020 — California.....Page 15

Table 3c. Deaths among persons with diagnosed HIV infection, by year and local health jurisdiction of residence, 2016–2020 — California.....Page 16

Technical Notes

The information presented in this report is based on HIV surveillance data reported to the OA through December 31, 2021, 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, 2021. Otherwise individuals were classified according to their sex-at-birth.

Race and ethnicity: 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, Jan 2021). For rates at the city level we used the *U.S. Census Bureau, QuickFacts, Annual Estimates of the Resident Population: July 2020*. 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, 2016–2020 — California

Characteristic	2016			2017			2018			2019			2020			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
Age at diagnosis (in years)	0 to 11	11	0.2%	0.2	6	0.1%	0.1	6	0.1%	0.1	5	0.1%	0.1	6	0.2%	0.1
	12 to 14	3	0.1%	0.2	4	0.1%	0.3	2	0.0%	0.1	2	0.0%	0.1	1	0.0%	0.1
	15 to 17	32	0.6%	2.0	33	0.7%	2.1	33	0.7%	2.1	29	0.6%	1.9	29	0.7%	1.9
	18 to 19	133	2.6%	10.6	131	2.7%	10.5	140	2.9%	11.1	111	2.5%	8.9	80	2.0%	6.5
	20 to 24	875	17.0%	28.3	801	16.4%	25.8	768	16.0%	24.9	664	14.7%	21.7	543	13.7%	17.8
	25 to 29	1,045	20.3%	39.9	998	20.4%	37.6	991	20.7%	36.5	897	19.9%	32.4	850	21.4%	30.2
	30 to 34	765	14.9%	27.6	760	15.6%	27.7	794	16.6%	29.4	759	16.8%	28.5	712	18.0%	27.0
	35 to 39	590	11.5%	22.4	583	11.9%	21.6	564	11.8%	20.5	595	13.2%	21.5	469	11.8%	17.0
	40 to 44	451	8.8%	18.2	430	8.8%	17.4	391	8.2%	15.8	393	8.7%	15.8	362	9.1%	14.3
	45 to 49	408	7.9%	15.7	378	7.7%	14.6	380	7.9%	14.8	329	7.3%	13.1	288	7.3%	11.7
	50 to 54	391	7.6%	15.1	329	6.7%	12.9	266	5.5%	10.6	293	6.5%	11.8	242	6.1%	9.7
	55 to 59	227	4.4%	9.0	219	4.5%	8.6	218	4.5%	8.6	224	5.0%	8.8	183	4.6%	7.3
	60 to 64	109	2.1%	5.0	123	2.5%	5.5	122	2.5%	5.3	123	2.7%	5.3	119	3.0%	5.0
	65 to 74	83	1.6%	2.7	77	1.6%	2.4	103	2.1%	3.1	75	1.7%	2.2	69	1.7%	1.9
≥ 75	17	0.3%	0.7	14	0.3%	0.6	17	0.4%	0.7	13	0.3%	0.5	12	0.3%	0.5	
Race/ethnicity	Latinx	2,372	46.1%	15.7	2,288	46.8%	15.0	2,315	48.3%	15.0	2,244	49.7%	14.5	1,987	50.1%	12.7
	American Indian/Alaska Native	15	0.3%	8.0	17	0.3%	8.7	13	0.3%	6.4	18	0.4%	8.8	11	0.3%	5.3
	Asian	335	6.5%	5.9	355	7.3%	6.1	277	5.8%	4.6	247	5.5%	4.1	216	5.4%	3.5
	Black/African American	891	17.3%	38.0	811	16.6%	34.3	829	17.3%	34.9	782	17.3%	32.8	688	17.4%	28.7
	Native Hawaiian/Other Pacific Islander	12	0.2%	8.8	12	0.2%	8.7	16	0.3%	11.7	12	0.3%	8.8	12	0.3%	8.8
	White	1,322	25.7%	8.8	1,238	25.3%	8.3	1,198	25.0%	8.1	1,097	24.3%	7.4	955	24.1%	6.5
	Multiple races	193	3.8%	22.2	165	3.4%	18.8	147	3.1%	16.6	112	2.5%	12.7	96	2.4%	10.8
Gender	Cisgender men	4,433	86.2%	22.7	4,257	87.1%	21.6	4,131	86.2%	20.9	3,845	85.2%	19.4	3,358	84.7%	16.8
	Cisgender women	608	11.8%	3.1	547	11.2%	2.7	569	11.9%	2.8	542	12.0%	2.7	490	12.4%	2.4
	Trans women	94	1.8%	-	76	1.6%	-	83	1.7%	-	115	2.5%	-	111	2.8%	-
	Trans men	5	0.1%	-	5	0.1%	-	12	0.3%	-	9	0.2%	-	4	0.1%	-
	Alternative Gender Identity	0	0.0%	-	1	0.0%	-	0	0.0%	-	1	0.0%	-	2	0.1%	-
Total	5,140		13.1	4,886		12.3	4,795		12.0	4,512		11.3	3,965		9.9	

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, 2016–2020 — California

Demographic group	Transmission category	2016	%	2017	%	2018	%	2019	%	2020	%
Cisgender men (age ≥12 at diagnosis)	Male-to-male sexual contact (MMSC)	3,308	74.7%	3,074	72.3%	2,984	72.3%	2,707	70.5%	2,250	67.1%
	Injection drug use (IDU)	145	3.3%	151	3.5%	157	3.8%	139	3.6%	130	3.9%
	MMSC and IDU	183	4.1%	186	4.4%	188	4.6%	174	4.5%	120	3.6%
	High-risk heterosexual contact	133	3.0%	113	2.7%	109	2.6%	72	1.9%	66	2.0%
	Heterosexual contact (non-high-risk)	301	6.8%	313	7.4%	359	8.7%	350	9.1%	326	9.7%
	Perinatal/Unknown risk/Other	358	8.1%	417	9.8%	331	8.0%	399	10.4%	462	13.8%
	Subtotal		4,428	86.1%	4,254	87.1%	4,128	86.1%	3,841	85.1%	3,354
Cisgender women (age ≥12 at diagnosis)	Injection drug use (IDU)	61	10.1%	82	15.1%	74	13.1%	72	13.3%	63	12.9%
	High-risk heterosexual contact	208	34.6%	182	33.5%	182	32.2%	150	27.7%	115	23.6%
	Heterosexual contact (non-high-risk)	256	42.5%	220	40.4%	258	45.6%	257	47.5%	235	48.2%
	Perinatal/Unknown risk/Other	77	12.8%	60	11.0%	52	9.2%	62	11.5%	75	15.4%
Subtotal		602	11.7%	544	11.1%	566	11.8%	541	12.0%	488	12.3%
Trans women (age ≥12 at diagnosis)	Sexual contact	91	96.8%	69	90.8%	80	96.4%	110	95.7%	105	94.6%
	Injection drug use (IDU)	0	0.0%	0	0.0%	2	2.4%	1	0.9%	0	0.0%
	Perinatal/Unknown risk/Other	3	3.2%	7	9.2%	1	1.2%	4	3.5%	6	5.4%
Subtotal		94	1.8%	76	1.6%	83	1.7%	115	2.5%	111	2.8%
Trans men (age ≥12 at diagnosis)	Sexual contact	4	80.0%	3	60.0%	9	75.0%	7	77.8%	2	50.0%
	Injection drug use (IDU)	1	20.0%	1	20.0%	1	8.3%	1	11.1%	2	50.0%
	Perinatal/Unknown risk/Other	0	0.0%	1	20.0%	2	16.7%	1	11.1%	0	0.0%
Subtotal		5	0.1%	5	0.1%	12	0.3%	9	0.2%	4	0.1%
Alternative gender (age ≥12 at diagnosis)	Sexual contact	0	0.0%	1	100.0%	0	0.0%	1	100.0%	1	50.0%
	Perinatal/Unknown risk/Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	50.0%
Subtotal		0	0.0%	1	0.0%	0	0.0%	1	0.0%	2	0.1%
Child (age <12 at diagnosis)	Perinatal	8	72.7%	6	100.0%	4	66.7%	5	100.0%	5	83.3%
	Unknown risk	2	18.2%	0	0.0%	2	33.3%	0	0.0%	1	16.7%
	Other	1	9.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Subtotal		11	0.2%	6	0.1%	6	0.1%	5	0.1%	6
Total		5,140		4,886		4,795		4,512		3,965	

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.

California HIV Surveillance Report — 2020

Table 1c. Persons newly diagnosed with HIV infection, by year of diagnosis and local health jurisdiction, 2016–2020 — California

County of residence at diagnosis	2016			2017			2018			2019			2020		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	272	5.3%	16.6	205	4.2%	12.4	201	4.2%	12.1	221	4.9%	13.2	158	4.0%	9.4
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%	5.4	1	0.0%	2.7	3	0.1%	7.9	0	0.0%	0.0	1	0.0%	2.6
Butte	14	0.3%	6.2	7	0.1%	3.1	10	0.2%	4.4	10	0.2%	4.6	11	0.3%	5.1
Calaveras	1	0.0%	2.2	2	0.0%	4.5	2	0.0%	4.5	2	0.0%	4.5	2	0.1%	4.5
Colusa	1	0.0%	4.5	2	0.0%	9.0	2	0.0%	9.0	5	0.1%	22.2	0	0.0%	0.0
Contra Costa	118	2.3%	10.4	108	2.2%	9.5	113	2.4%	9.8	98	2.2%	8.5	72	1.8%	6.2
Del Norte	0	0.0%	0.0	1	0.0%	3.7	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
El Dorado	4	0.1%	2.2	9	0.2%	4.8	5	0.1%	2.6	5	0.1%	2.6	6	0.2%	3.1
Fresno	133	2.6%	13.5	156	3.2%	15.6	110	2.3%	10.9	115	2.5%	11.3	124	3.1%	12.1
Glenn	2	0.0%	7.0	2	0.0%	7.0	1	0.0%	3.5	0	0.0%	0.0	0	0.0%	0.0
Humboldt	6	0.1%	4.4	4	0.1%	2.9	15	0.3%	11.0	6	0.1%	4.4	4	0.1%	3.0
Imperial	15	0.3%	8.1	41	0.8%	21.8	34	0.7%	18.0	33	0.7%	17.4	23	0.6%	12.1
Inyo	2	0.0%	10.7	2	0.0%	10.8	1	0.0%	5.4	0	0.0%	0.0	1	0.0%	5.4
Kern	100	1.9%	11.3	153	3.1%	17.0	154	3.2%	17.0	181	4.0%	19.7	165	4.2%	18.0
Kings	9	0.2%	6.0	20	0.4%	13.3	9	0.2%	5.9	9	0.2%	5.8	8	0.2%	5.2
Lake	1	0.0%	1.6	4	0.1%	6.2	4	0.1%	6.2	4	0.1%	6.2	2	0.1%	3.1
Lassen	1	0.0%	3.3	2	0.0%	6.5	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Los Angeles	1,916	37.3%	18.8	1,768	36.2%	17.2	1,724	36.0%	16.8	1,558	34.5%	15.2	1,393	35.1%	13.6
Madera	7	0.1%	4.5	13	0.3%	8.3	15	0.3%	9.5	7	0.2%	4.4	8	0.2%	5.0
Marin	29	0.6%	11.0	17	0.3%	6.5	21	0.4%	8.0	14	0.3%	5.4	14	0.4%	5.4
Mariposa	1	0.0%	5.5	1	0.0%	5.6	2	0.0%	11.2	0	0.0%	0.0	1	0.0%	5.6
Mendocino	3	0.1%	3.4	4	0.1%	4.5	5	0.1%	5.6	4	0.1%	4.5	5	0.1%	5.6
Merced	21	0.4%	7.7	26	0.5%	9.4	27	0.6%	9.7	28	0.6%	9.9	31	0.8%	10.9
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	1	0.0%	7.2	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Monterey	42	0.8%	9.5	47	1.0%	10.6	44	0.9%	9.9	29	0.6%	6.5	11	0.3%	2.5
Napa	12	0.2%	8.5	7	0.1%	5.0	7	0.1%	5.0	10	0.2%	7.1	5	0.1%	3.6
Nevada	6	0.1%	6.1	3	0.1%	3.0	3	0.1%	3.0	4	0.1%	4.1	3	0.1%	3.0
Orange	351	6.8%	11.0	317	6.5%	9.9	288	6.0%	9.0	247	5.5%	7.7	264	6.7%	8.2
Placer	20	0.4%	5.3	19	0.4%	5.0	11	0.2%	2.8	12	0.3%	3.0	19	0.5%	4.8
Plumas	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	5.3
Riverside	297	5.8%	12.6	277	5.7%	11.6	264	5.5%	10.9	271	6.0%	11.1	242	6.1%	9.9
Sacramento	194	3.8%	12.9	182	3.7%	12.0	173	3.6%	11.3	149	3.3%	9.6	153	3.9%	9.9
San Benito	1	0.0%	1.7	8	0.2%	13.3	3	0.1%	4.9	1	0.0%	1.6	3	0.1%	4.8
San Bernardino	223	4.3%	10.4	256	5.2%	11.8	270	5.6%	12.4	303	6.7%	13.8	266	6.7%	12.1
San Diego	524	10.2%	15.9	422	8.6%	12.7	388	8.1%	11.6	399	8.8%	11.9	303	7.6%	9.0
San Francisco	266	5.2%	30.5	244	5.0%	27.7	242	5.0%	27.3	208	4.6%	23.4	153	3.9%	17.2
San Joaquin	55	1.1%	7.4	65	1.3%	8.7	69	1.4%	9.1	76	1.7%	9.8	89	2.2%	11.5
San Luis Obispo	17	0.3%	6.1	9	0.2%	3.2	16	0.3%	5.7	14	0.3%	5.0	11	0.3%	3.9
San Mateo	59	1.1%	7.7	59	1.2%	7.6	61	1.3%	7.9	55	1.2%	7.1	45	1.1%	5.8
Santa Barbara	29	0.6%	6.5	27	0.6%	6.0	31	0.6%	6.8	37	0.8%	8.1	24	0.6%	5.3
Santa Clara	137	2.7%	7.1	157	3.2%	8.1	166	3.5%	8.5	162	3.6%	8.3	108	2.7%	5.5
Santa Cruz	21	0.4%	7.6	7	0.1%	2.5	11	0.2%	4.0	12	0.3%	4.4	13	0.3%	4.7
Shasta	7	0.1%	3.9	2	0.0%	1.1	7	0.1%	3.9	6	0.1%	3.4	1	0.0%	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	3	0.1%	6.8	0	0.0%	0.0	3	0.1%	6.8	0	0.0%	0.0	3	0.1%	6.8
Solano	33	0.6%	7.6	36	0.7%	8.2	45	0.9%	10.2	40	0.9%	9.0	47	1.2%	10.6
Sonoma	40	0.8%	8.0	30	0.6%	6.0	33	0.7%	6.6	24	0.5%	4.8	37	0.9%	7.4
Stanislaus	32	0.6%	5.9	52	1.1%	9.4	60	1.3%	10.8	40	0.9%	7.2	28	0.7%	5.0
Sutter	10	0.2%	10.2	6	0.1%	6.0	9	0.2%	8.9	8	0.2%	7.7	6	0.2%	5.8
Tehama	1	0.0%	1.6	3	0.1%	4.7	4	0.1%	6.2	0	0.0%	0.0	1	0.0%	1.5
Trinity	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	7.5	0	0.0%	0.0
Tulare	33	0.6%	7.1	17	0.3%	3.6	50	1.0%	10.5	32	0.7%	6.7	29	0.7%	6.0
Tuolumne	1	0.0%	1.9	0	0.0%	0.0	1	0.0%	1.9	1	0.0%	1.9	0	0.0%	0.0
Ventura	48	0.9%	5.6	72	1.5%	8.4	55	1.1%	6.4	46	1.0%	5.4	57	1.4%	6.7
Yolo	17	0.3%	7.8	10	0.2%	4.6	20	0.4%	9.0	21	0.5%	9.4	11	0.3%	4.9
Yuba	3	0.1%	4.0	3	0.1%	3.9	3	0.1%	3.9	4	0.1%	5.1	3	0.1%	3.8
Total	5,140		13.1	4,886		12.3	4,795		12.0	4,512		11.3	3,965		9.9
Berkeley city	22	0.4%	18.1	14	0.3%	11.5	9	0.2%	7.4	8	0.2%	6.6	9	0.2%	7.4
Long Beach city	128	2.5%	27.3	110	2.3%	23.5	107	2.2%	22.9	107	2.4%	23.1	95	2.4%	20.5
Pasadena city	23	0.4%	16.4	21	0.4%	14.9	19	0.4%	13.5	16	0.4%	11.3	19	0.5%	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, 2016–2020 — California

Characteristic	2016			2017			2018			2019			2020			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
Age at year end (years)	0 to11	127	0.1%	2.1	114	0.1%	1.9	104	0.1%	1.7	87	0.1%	1.5	76	0.1%	1.3
	12 to 14	81	0.1%	5.4	77	0.1%	5.0	64	0.0%	4.2	57	0.0%	3.6	54	0.0%	3.4
	15 to 17	113	0.1%	7.2	99	0.1%	6.4	102	0.1%	6.6	113	0.1%	7.4	108	0.1%	7.0
	18 to 19	258	0.2%	20.3	250	0.2%	19.9	240	0.2%	19.1	223	0.2%	17.9	186	0.1%	15.1
	20 to 24	3,169	2.4%	104.0	3,042	2.2%	97.9	2,930	2.2%	95.1	2,741	2.0%	89.6	2,477	1.8%	81.4
	25 to 29	7,937	6.0%	302.4	7,997	5.9%	301.3	8,016	5.9%	294.9	7,870	5.7%	284.4	7,675	5.5%	272.9
	30 to 34	10,522	7.9%	377.2	10,880	8.0%	397.1	11,214	8.2%	415.2	11,635	8.4%	436.8	11,725	8.4%	443.9
	35 to 39	11,995	9.0%	464.5	12,245	9.0%	454.2	12,442	9.1%	453.3	12,560	9.1%	454.3	12,864	9.2%	467.6
	40 to 44	13,028	9.8%	515.1	12,861	9.5%	520.7	12,686	9.3%	512.6	12,879	9.3%	516.9	13,170	9.4%	520.7
	45 to 49	19,129	14.4%	743.3	17,961	13.3%	693.7	16,580	12.2%	646.6	15,522	11.2%	617.4	14,396	10.3%	587.1
	50 to 54	23,715	17.8%	903.2	22,989	17.0%	903.5	21,809	16.0%	869.5	20,656	15.0%	831.6	19,785	14.2%	792.8
	55 to 59	19,198	14.4%	770.2	20,453	15.1%	806.2	21,310	15.6%	836.4	22,207	16.1%	870.5	22,610	16.2%	896.4
	60 to 64	12,214	9.2%	574.6	13,294	9.8%	590.7	14,110	10.4%	613.5	15,097	10.9%	647.3	16,309	11.7%	687.3
	65 to 74	9,806	7.4%	328.6	11,053	8.2%	341.6	12,211	9.0%	364.0	13,593	9.9%	390.7	15,076	10.8%	417.3
≥ 75	1,834	1.4%	82.1	2,109	1.6%	89.2	2,397	1.8%	97.8	2,754	2.0%	108.3	3,192	2.3%	121.1	
Race/ethnicity	Latinx	47,723	35.8%	318.6	49,376	36.5%	322.8	50,752	37.3%	328.8	52,378	38.0%	337.5	53,824	38.5%	344.5
	American Indian/Alaska Native	323	0.2%	175.8	326	0.2%	166.9	322	0.2%	159.6	336	0.2%	164.8	342	0.2%	165.9
	Asian	5,034	3.8%	90.6	5,364	4.0%	91.7	5,557	4.1%	92.8	5,789	4.2%	95.1	5,987	4.3%	96.7
	Black/African American	22,537	16.9%	967.6	22,921	16.9%	969.9	23,051	16.9%	971.4	23,350	16.9%	980.1	23,643	16.9%	987.7
	Native Hawaiian/Other Pacific Islander	228	0.2%	167.0	233	0.2%	169.8	241	0.2%	175.6	250	0.2%	183.1	263	0.2%	193.8
	White	52,336	39.3%	348.8	52,237	38.6%	351.2	51,335	37.7%	346.9	50,950	36.9%	345.6	50,746	36.3%	345.4
	Multiple races	4,941	3.7%	570.6	4,963	3.7%	566.1	4,953	3.6%	559.1	4,937	3.6%	558.2	4,894	3.5%	551.9
	Unknown race	4	0.0%	-	4	0.0%	-	4	0.0%	-	4	0.0%	-	4	0.0%	-
Gender	Cisgender men	115,635	86.9%	591.3	117,607	86.8%	597.1	118,228	86.8%	597.1	119,662	86.7%	602.3	121,054	86.7%	607.0
	Cisgender women	15,555	11.7%	78.7	15,825	11.7%	79.5	15,938	11.7%	79.6	16,170	11.7%	80.5	16,402	11.7%	81.2
	Trans women	1,880	1.4%	-	1,929	1.4%	-	1,975	1.4%	-	2,081	1.5%	-	2,160	1.5%	-
	Trans men	50	0.0%	-	55	0.0%	-	67	0.0%	-	74	0.1%	-	78	0.1%	-
	Alternative Gender Identity	6	0.0%	-	8	0.0%	-	7	0.0%	-	7	0.0%	-	9	0.0%	-
Total	133,126		338.7	135,424		342.1	136,215		342.1	137,994		345.3	139,703		348.1	

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 2b. Persons living with diagnosed HIV infection, by year and transmission category, 2016–2020 — California

Demographic group	Transmission category	2016	%	2017	%	2018	%	2019	%	2020	%
Cisgender men (age ≥12 at year end)	Male-to-male sexual contact (MMSC)	88,706	76.8%	90,316	76.8%	90,819	76.8%	91,799	76.7%	92,718	76.6%
	Injection drug use (IDU)	5,189	4.5%	5,141	4.4%	5,040	4.3%	4,998	4.2%	4,991	4.1%
	MMSC and IDU	9,439	8.2%	9,280	7.9%	9,043	7.7%	8,922	7.5%	8,758	7.2%
	High-risk heterosexual contact	3,597	3.1%	3,629	3.1%	3,635	3.1%	3,643	3.0%	3,631	3.0%
	Heterosexual contact (non-high-risk)	3,999	3.5%	4,231	3.6%	4,475	3.8%	4,779	4.0%	5,029	4.2%
	Perinatal/Unknown risk/Other	4,647	4.0%	4,956	4.2%	5,169	4.4%	5,478	4.6%	5,887	4.9%
	Subtotal		115,577	86.8%	117,553	86.8%	118,181	86.8%	119,619	86.7%	121,014
Cisgender women (age ≥12 at year end)	Injection drug use (IDU)	2,813	18.2%	2,800	17.8%	2,731	17.2%	2,688	16.7%	2,667	16.3%
	High-risk heterosexual contact	8,071	52.1%	8,143	51.7%	8,106	51.0%	8,115	50.3%	8,121	49.6%
	Heterosexual contact (non-high-risk)	3,198	20.7%	3,371	21.4%	3,565	22.4%	3,789	23.5%	3,973	24.3%
	Perinatal/Unknown risk/Other	1,404	9.1%	1,451	9.2%	1,479	9.3%	1,534	9.5%	1,605	9.8%
Subtotal		15,486	11.6%	15,765	11.6%	15,881	11.7%	16,126	11.7%	16,366	11.7%
Trans women (age ≥12 at year end)	Sexual contact	1847	98.2%	1890	98.0%	1933	97.9%	2033	97.7%	2108	97.6%
	Injection drug use (IDU)	10	0.5%	10	0.5%	12	0.6%	12	0.6%	11	0.5%
	Perinatal/Unknown risk/Other	23	1.2%	29	1.5%	30	1.5%	36	1.7%	41	1.9%
Subtotal		1,880	1.4%	1,929	1.4%	1,975	1.4%	2,081	1.5%	2,160	1.5%
Trans men (age ≥12 at year end)	Sexual contact	35	70.0%	38	69.1%	48	71.6%	53	71.6%	57	73.1%
	Injection drug use (IDU)	11	22.0%	12	21.8%	11	16.4%	12	16.2%	13	16.7%
	Perinatal/Unknown risk/Other	4	8.0%	5	9.1%	8	11.9%	9	12.2%	8	10.3%
Subtotal		50	0.0%	55	0.0%	67	0.0%	74	0.1%	78	0.1%
Alternative gender (age ≥12 at year end)	Sexual contact	5	83.3%	7	87.5%	7	100.0%	7	100.0%	8	88.9%
	Injection drug use (IDU)	1	16.7%	1	12.5%	0	0.0%	0	0.0%	0	0.0%
	Perinatal/Unknown risk/Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	11.1%
Subtotal		6	0.0%	8	0.0%	7	0.0%	7	0.0%	9	0.0%
Child (age <12 at year end)	Perinatal	105	82.7%	95	83.3%	87	83.7%	73	83.9%	63	82.9%
	Unknown risk	20	15.7%	17	14.9%	15	14.4%	12	13.8%	11	14.5%
	Other	2	1.6%	2	1.8%	2	1.9%	2	2.3%	2	2.6%
	Subtotal		127	0.1%	114	0.1%	104	0.1%	87	0.1%	76
Total		133,126		135,424		136,215		137,994		139,703	

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.

California HIV Surveillance Report — 2020

Table 2c. Persons living with diagnosed HIV infection, by year and current local health jurisdiction, 2016–2020 — California

County of current residence	2016			2017			2018			2019			2020		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	6,319	4.7%	385.8	6,392	4.7%	387.0	6,349	4.7%	381.8	6,349	4.6%	379.2	6,290	4.5%	373.1
Alpine	2	0.0%	173.8	2	0.0%	174.5	2	0.0%	176.4	2	0.0%	177.3	2	0.0%	179.1
Amador	195	0.1%	529.3	219	0.2%	585.7	213	0.2%	558.4	190	0.1%	497.1	187	0.1%	485.3
Butte	264	0.2%	117.4	274	0.2%	121.0	275	0.2%	121.0	263	0.2%	121.2	269	0.2%	123.5
Calaveras	45	0.0%	100.5	47	0.0%	105.2	46	0.0%	103.2	51	0.0%	114.9	54	0.0%	121.9
Colusa	6	0.0%	27.2	11	0.0%	49.4	17	0.0%	76.4	18	0.0%	80.1	18	0.0%	79.7
Contra Costa	2,584	1.9%	228.7	2,635	1.9%	231.5	2,756	2.0%	240.2	2,775	2.0%	240.7	2,813	2.0%	242.5
Del Norte	31	0.0%	115.0	30	0.0%	112.1	32	0.0%	116.7	36	0.0%	130.8	40	0.0%	145.1
El Dorado	195	0.1%	105.8	199	0.1%	106.7	218	0.2%	115.1	225	0.2%	117.7	220	0.2%	113.9
Fresno	1,876	1.4%	189.7	1,971	1.5%	197.2	2,033	1.5%	201.1	2,104	1.5%	205.9	2,183	1.6%	211.5
Glenn	19	0.0%	66.8	22	0.0%	76.9	24	0.0%	83.5	22	0.0%	75.4	23	0.0%	78.4
Humboldt	237	0.2%	174.5	229	0.2%	168.6	230	0.2%	169.4	235	0.2%	174.2	229	0.2%	170.8
Imperial	295	0.2%	158.4	330	0.2%	175.7	338	0.2%	178.9	361	0.3%	190.0	372	0.3%	194.1
Inyo	23	0.0%	123.5	21	0.0%	113.1	19	0.0%	102.6	20	0.0%	108.3	21	0.0%	113.8
Kern	1,585	1.2%	178.6	1,676	1.2%	186.8	1,769	1.3%	195.0	1,849	1.3%	201.6	2,008	1.4%	216.6
Kings	171	0.1%	114.6	181	0.1%	119.9	200	0.1%	130.4	204	0.1%	132.1	206	0.1%	131.7
Lake	149	0.1%	231.1	145	0.1%	223.5	151	0.1%	232.2	150	0.1%	231.2	144	0.1%	222.0
Lassen	26	0.0%	85.3	26	0.0%	85.1	29	0.0%	95.0	29	0.0%	97.1	23	0.0%	76.5
Los Angeles	51,368	38.6%	503.0	51,869	38.3%	505.8	51,938	38.1%	505.7	52,554	38.1%	512.2	53,077	38.0%	517.4
Madera	184	0.1%	118.6	193	0.1%	123.1	192	0.1%	121.1	189	0.1%	118.9	218	0.2%	136.2
Marin	845	0.6%	321.9	810	0.6%	309.1	829	0.6%	316.0	834	0.6%	318.8	814	0.6%	312.1
Mariposa	20	0.0%	110.7	18	0.0%	100.0	20	0.0%	111.7	22	0.0%	123.2	18	0.0%	101.2
Mendocino	183	0.1%	206.3	179	0.1%	201.1	176	0.1%	198.0	173	0.1%	195.3	178	0.1%	201.3
Merced	273	0.2%	100.5	297	0.2%	107.4	305	0.2%	109.1	321	0.2%	113.3	355	0.3%	123.5
Modoc	2	0.0%	21.0	1	0.0%	10.5	4	0.0%	42.2	3	0.0%	31.6	4	0.0%	42.2
Mono	8	0.0%	57.8	8	0.0%	57.6	9	0.0%	65.1	9	0.0%	64.8	8	0.0%	57.3
Monterey	698	0.5%	158.6	725	0.5%	164.1	749	0.5%	168.6	771	0.6%	172.7	765	0.5%	170.5
Napa	268	0.2%	189.4	272	0.2%	192.9	270	0.2%	192.1	274	0.2%	195.6	291	0.2%	208.4
Nevada	125	0.1%	127.2	127	0.1%	129.0	130	0.1%	131.8	142	0.1%	144.0	145	0.1%	146.9
Orange	7,182	5.4%	225.9	7,284	5.4%	227.4	7,246	5.3%	225.4	7,300	5.3%	226.6	7,457	5.3%	231.0
Placer	340	0.3%	90.3	349	0.3%	91.2	358	0.3%	92.0	375	0.3%	95.0	385	0.3%	96.1
Plumas	18	0.0%	95.9	21	0.0%	112.1	20	0.0%	106.9	19	0.0%	100.8	21	0.0%	110.5
Riverside	8,177	6.1%	346.3	9,005	6.6%	376.5	9,427	6.9%	389.4	9,768	7.1%	399.8	10,199	7.3%	413.2
Sacramento	4,394	3.3%	292.0	4,456	3.3%	293.1	4,497	3.3%	292.5	4,548	3.3%	292.8	4,668	3.3%	297.7
San Benito	43	0.0%	72.1	51	0.0%	84.5	50	0.0%	81.4	51	0.0%	81.2	56	0.0%	87.5
San Bernardino	4,183	3.1%	195.2	4,411	3.3%	204.0	4,662	3.4%	214.0	4,918	3.6%	223.8	5,056	3.6%	228.0
San Diego	13,677	10.3%	415.0	13,849	10.2%	417.4	13,779	10.1%	412.0	13,862	10.0%	412.9	13,935	10.0%	413.5
San Francisco	13,346	10.0%	1530.0	13,051	9.6%	1482.5	12,725	9.3%	1435.2	12,528	9.1%	1408.7	12,187	8.7%	1365.8
San Joaquin	1,333	1.0%	180.4	1,337	1.0%	178.2	1,358	1.0%	178.6	1,399	1.0%	181.3	1,471	1.1%	188.0
San Luis Obispo	411	0.3%	147.8	421	0.3%	151.2	361	0.3%	129.2	393	0.3%	140.9	391	0.3%	140.2
San Mateo	1,599	1.2%	208.2	1,664	1.2%	215.7	1,650	1.2%	213.0	1,656	1.2%	213.3	1,639	1.2%	210.7
Santa Barbara	618	0.5%	138.2	555	0.4%	123.3	560	0.4%	123.6	591	0.4%	130.0	607	0.4%	133.0
Santa Clara	3,385	2.5%	175.0	3,499	2.6%	179.8	3,539	2.6%	180.9	3,648	2.6%	186.0	3,716	2.7%	188.9
Santa Cruz	518	0.4%	187.8	528	0.4%	191.5	525	0.4%	190.8	537	0.4%	195.6	551	0.4%	201.1
Shasta	214	0.2%	120.5	222	0.2%	124.6	221	0.2%	124.0	228	0.2%	128.1	226	0.2%	127.0
Sierra	6	0.0%	190.7	5	0.0%	158.8	6	0.0%	191.3	5	0.0%	160.2	4	0.0%	128.4
Siskiyou	62	0.0%	139.6	65	0.0%	146.9	71	0.1%	160.9	64	0.0%	145.3	65	0.0%	147.9
Solano	1,333	1.0%	307.6	1,320	1.0%	301.9	1,318	1.0%	299.6	1,331	1.0%	301.0	1,368	1.0%	307.9
Sonoma	1,511	1.1%	300.3	1,485	1.1%	295.1	1,477	1.1%	295.1	1,449	1.1%	290.7	1,477	1.1%	297.4
Stanislaus	713	0.5%	131.2	775	0.6%	140.8	816	0.6%	147.1	851	0.6%	152.4	854	0.6%	151.9
Sutter	88	0.1%	89.9	91	0.1%	91.5	101	0.1%	99.7	111	0.1%	107.2	117	0.1%	110.6
Tehama	48	0.0%	75.0	51	0.0%	79.5	50	0.0%	77.3	46	0.0%	70.3	46	0.0%	69.8
Trinity	19	0.0%	140.9	19	0.0%	141.2	16	0.0%	119.5	17	0.0%	127.0	16	0.0%	119.8
Tulare	427	0.3%	91.3	445	0.3%	94.3	476	0.3%	100.0	496	0.4%	103.3	519	0.4%	107.1
Tuolumne	45	0.0%	84.4	47	0.0%	88.9	50	0.0%	94.6	54	0.0%	102.7	61	0.0%	116.5
Ventura	1,071	0.8%	125.6	1,132	0.8%	132.5	1,144	0.8%	133.7	1,164	0.8%	136.3	1,216	0.9%	142.6
Yolo	279	0.2%	128.6	285	0.2%	129.7	300	0.2%	135.1	319	0.2%	143.1	323	0.2%	144.4
Yuba	90	0.1%	119.4	92	0.1%	119.9	89	0.1%	114.9	91	0.1%	116.2	97	0.1%	122.3
Total	133,126		338.7	135,424		342.1	136,215		342.1	137,994		345.3	139,703		348.1
Berkeley city	502	0.4%	413.2	488	0.4%	400.0	480	0.4%	394.6	466	0.3%	384.0	484	0.3%	389.3
Long Beach city	4,593	3.5%	978.2	4,518	3.3%	966.7	4,354	3.2%	931.6	4,380	3.2%	946.8	4,395	3.1%	941.6
Pasadena city	586	0.4%	417.8	590	0.4%	417.8	611	0.4%	432.6	614	0.4%	435.4	628	0.4%	452.8

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).

California HIV Surveillance Report — 2020

Table 2d. Continuum of HIV care for persons living with diagnosed HIV infection, 2020 — California

Jurisdiction of residence (by name)	No. people living and diagnosed with HIV	In care		Virally suppressed	
	N	N	%	N	%
2025 National EHE Goals			95.0%		95.0%
California	139,703	100,357	71.8%	88,041	63.0%
Alameda	6,290	4,794	76.2%	4,267	67.8%
Alpine	-	-	-	-	-
Amador	187	174	93.0%	167	89.3%
Butte	269	211	78.4%	110	40.9%
Calaveras	54	41	75.9%	28	51.9%
Colusa	18	15	83.3%	8	44.4%
Contra Costa	2,813	2,176	77.4%	1,953	69.4%
Del Norte	40	31	77.5%	30	75.0%
El Dorado	220	170	77.3%	152	69.1%
Fresno	2,183	1,739	79.7%	1,497	68.6%
Glenn	23	17	73.9%	8	34.8%
Humboldt	229	167	72.9%	146	63.8%
Imperial	372	224	60.2%	199	53.5%
Inyo	21	19	90.5%	18	85.7%
Kern	2,008	1,236	61.6%	980	48.8%
Kings	206	129	62.6%	113	54.9%
Lake	144	116	80.6%	106	73.6%
Lassen	23	10	43.5%	10	43.5%
Los Angeles	53,077	36,364	68.5%	32,065	60.4%
Madera	218	160	73.4%	142	65.1%
Marin	814	595	73.1%	557	68.4%
Mariposa	18	14	77.8%	14	77.8%
Mendocino	178	137	77.0%	123	69.1%
Merced	355	283	79.7%	233	65.6%
Modoc	-	-	-	-	-
Mono	-	-	-	-	-
Monterey	765	553	72.3%	492	64.3%
Napa	291	240	82.5%	224	77.0%
Nevada	145	114	78.6%	98	67.6%
Orange	7,457	5,054	67.8%	4,478	60.1%
Placer	385	298	77.4%	265	68.8%
Plumas	21	17	81.0%	16	76.2%
Riverside	10,199	8,179	80.2%	7,536	73.9%
Sacramento	4,668	3,554	76.1%	3,100	66.4%
San Benito	56	39	69.6%	34	60.7%
San Bernardino	5,056	3,366	66.6%	2,899	57.3%
San Diego	13,935	9,693	69.6%	7,903	56.7%
San Francisco	12,187	9,379	77.0%	8,597	70.5%
San Joaquin	1,471	1,049	71.3%	843	57.3%
San Luis Obispo	391	249	63.7%	205	52.4%
San Mateo	1,639	1,209	73.8%	871	53.1%
Santa Barbara	607	403	66.4%	359	59.1%

Table 2d. Continuum of HIV care for persons living with diagnosed HIV infection, 2020 — California (continued)

Jurisdiction of residence (by name)	No. people living and diagnosed with HIV	In care		Virally suppressed	
	N	N	%	N	%
2025 National EHE Goals			95.0%		95.0%
Santa Clara	3,716	2,820	75.9%	2,472	66.5%
Santa Cruz	551	415	75.3%	373	67.7%
Shasta	226	169	74.8%	149	65.9%
Sierra	-	-	-	-	-
Siskiyou	65	50	76.9%	44	67.7%
Solano	1,368	988	72.2%	894	65.4%
Sonoma	1,477	1,256	85.0%	1,174	79.5%
Stanislaus	854	649	76.0%	565	66.2%
Sutter	117	90	76.9%	61	52.1%
Tehama	46	37	80.4%	24	52.2%
Trinity	16	12	75.0%	10	62.5%
Tulare	519	394	75.9%	334	64.4%
Tuolumne	61	44	72.1%	34	55.7%
Ventura	1,216	877	72.1%	793	65.2%
Yolo	323	250	77.4%	209	64.7%
Yuba	97	73	75.3%	48	49.5%
Berkeley	484	368	76.0%	338	69.8%
Long Beach	4,395	3,080	70.1%	2,785	63.4%
Pasadena	628	461	73.4%	412	65.6%

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, 2016–2020 — California

Characteristic	2016			2017			2018			2019			2020			
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	
Age at death (in years)	0 to11	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	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	0.1
	15 to 17	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
	18 to 19	0	0.0%	0.0	1	0.1%	0.1	1	0.1%	0.1	0	0.0%	0.0	0	0.0%	0.0
	20 to 24	9	0.5%	0.3	10	0.5%	0.3	8	0.4%	0.3	12	0.7%	0.4	10	0.6%	0.3
	25 to 29	44	2.4%	1.7	47	2.6%	1.8	29	1.6%	1.1	44	2.4%	1.6	30	1.7%	1.1
	30 to 34	67	3.6%	2.4	64	3.5%	2.3	73	4.0%	2.7	61	3.3%	2.3	62	3.4%	2.3
	35 to 39	105	5.6%	4.0	95	5.2%	3.5	81	4.4%	3.0	102	5.6%	3.7	78	4.3%	2.8
	40 to 44	97	5.2%	3.9	91	5.0%	3.7	98	5.3%	4.0	106	5.8%	4.3	80	4.4%	3.2
	45 to 49	216	11.6%	8.3	182	9.9%	7.0	152	8.3%	5.9	123	6.7%	4.9	129	7.1%	5.3
	50 to 54	314	16.8%	12.2	287	15.6%	11.3	266	14.5%	10.6	235	12.8%	9.5	215	11.9%	8.6
	55 to 59	342	18.3%	13.6	348	18.9%	13.7	291	15.8%	11.4	327	17.8%	12.8	319	17.7%	12.6
	60 to 64	283	15.2%	12.9	275	15.0%	12.2	305	16.6%	13.3	313	17.1%	13.4	313	17.3%	13.2
	65 to 74	289	15.5%	9.3	296	16.1%	9.1	372	20.3%	11.1	342	18.7%	9.8	385	21.3%	10.7
	≥ 75	98	5.3%	4.3	141	7.7%	6.0	160	8.7%	6.5	167	9.1%	6.6	184	10.2%	7.0
	Race/ethnicity	Latinx	455	24.4%	3.0	513	27.9%	3.4	512	27.9%	3.3	507	27.7%	3.3	514	28.5%
American Indian/Alaska Native		4	0.2%	2.1	4	0.2%	2.0	3	0.2%	1.5	2	0.1%	1.0	1	0.1%	0.5
Asian		32	1.7%	0.6	28	1.5%	0.5	36	2.0%	0.6	32	1.7%	0.5	36	2.0%	0.6
Black/African American		428	23.0%	18.2	363	19.7%	15.4	377	20.5%	15.9	360	19.7%	15.1	352	19.5%	14.7
Native Hawaiian/Other Pacific Islander		2	0.1%	1.5	0	0.0%	0.0	4	0.2%	2.9	2	0.1%	1.5	2	0.1%	1.5
White		828	44.4%	5.5	811	44.1%	5.5	785	42.8%	5.3	826	45.1%	5.6	779	43.1%	5.3
Multiple races		115	6.2%	13.2	119	6.5%	13.6	119	6.5%	13.4	103	5.6%	11.6	122	6.8%	13.8
Gender	Cisgender men	1,584	85.0%	8.1	1,604	87.3%	8.1	1,579	86.0%	8.0	1,576	86.0%	7.9	1,559	86.3%	7.8
	Cisgender women	246	13.2%	1.2	211	11.5%	1.1	235	12.8%	1.2	236	12.9%	1.2	223	12.3%	1.1
	Trans women	34	1.8%	-	22	1.2%	-	20	1.1%	-	20	1.1%	-	23	1.3%	-
	Trans men	0	0.0%	-	1	0.1%	-	1	0.1%	-	0	0.0%	-	1	0.1%	-
	Alternative Gender Identity	0	0.0%	-	0	0.0%	-	1	0.1%	-	0	0.0%	-	0	0.0%	-
Total	1,864		4.7	1,838		4.6	1,836		4.6	1,832		4.6	1,806		4.5	

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, 2016–2020 — California

Demographic group	Transmission category	2016	%	2017	%	2018	%	2019	%	2020	%
Cisgender men (age ≥12 at death)	Male-to-male sexual contact (MMSC)	996	62.9%	1,013	63.2%	1,000	63.3%	1,034	65.6%	982	63.0%
	Injection drug use (IDU)	158	10.0%	148	9.2%	149	9.4%	131	8.3%	129	8.3%
	MMSC and IDU	221	14.0%	230	14.3%	224	14.2%	203	12.9%	229	14.7%
	High-risk heterosexual contact	62	3.9%	61	3.8%	47	3.0%	57	3.6%	64	4.1%
	Heterosexual contact (non-high-risk)	58	3.7%	60	3.7%	71	4.5%	56	3.6%	70	4.5%
	Perinatal/Unknown risk/Other	89	5.6%	92	5.7%	88	5.6%	95	6.0%	85	5.5%
	Subtotal	1,584	85.0%	1,604	87.3%	1,579	86.0%	1,576	86.0%	1,559	86.3%
Cisgender women (age ≥12 at death)	Injection drug use (IDU)	84	34.1%	80	37.9%	88	37.4%	90	38.1%	73	32.7%
	High-risk heterosexual contact	104	42.3%	70	33.2%	88	37.4%	94	39.8%	85	38.1%
	Heterosexual contact (non-high-risk)	36	14.6%	43	20.4%	43	18.3%	36	15.3%	45	20.2%
	Perinatal/Unknown risk/Other	22	8.9%	18	8.5%	16	6.8%	16	6.8%	20	9.0%
	Subtotal	246	13.2%	211	11.5%	235	12.8%	236	12.9%	223	12.3%
Trans women (age ≥12 at death)	Sexual contact	33	97.1%	22	100.0%	20	100.0%	19	95.0%	22	95.7%
	Injection drug use (IDU)	1	2.9%	0	0.0%	0	0.0%	1	5.0%	1	4.3%
	Perinatal/Unknown risk/Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Subtotal	34	1.8%	22	1.2%	20	1.1%	20	1.1%	23	1.3%
Trans men (age ≥12 at death)	Sexual contact	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Injection drug use (IDU)	0	0.0%	1	100.0%	1	100.0%	0	0.0%	1	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	0.1%	1	0.1%	0	0.0%	1	0.1%
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 (IDU)	0	0.0%	0	0.0%	1	100.0%	0	0.0%	0	0.0%
	Subtotal	0	0.0%	0	0.0%	1	0.1%	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	1,864		1,838		1,836		1,832		1,806	

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.

California HIV Surveillance Report — 2020

Table 3c. Deaths among persons with diagnosed HIV infection, by year and local health jurisdiction, 2016–2020 — California

County of residence at death	2016			2017			2018			2019			2020		
	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate	N	%	Rate
Alameda	81	4.3%	4.9	76	4.1%	4.6	78	4.2%	4.7	76	4.1%	4.5	96	5.3%	5.7
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%	5.4	2	0.1%	5.3	1	0.1%	2.6	1	0.1%	2.6	0	0.0%	0.0
Butte	9	0.5%	4.0	8	0.4%	3.5	6	0.3%	2.6	9	0.5%	4.0	7	0.4%	3.2
Calaveras	0	0.0%	0.0	1	0.1%	2.2	2	0.1%	4.5	3	0.2%	6.7	1	0.1%	2.3
Colusa	1	0.1%	4.5	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	4.5	0	0.0%	0.0
Contra Costa	42	2.3%	3.7	34	1.8%	3.0	38	2.1%	3.3	45	2.5%	3.9	28	1.6%	2.4
Del Norte	1	0.1%	3.7	1	0.1%	3.7	1	0.1%	3.6	0	0.0%	0.0	1	0.1%	3.6
El Dorado	1	0.1%	0.5	3	0.2%	1.6	2	0.1%	1.1	2	0.1%	1.1	4	0.2%	2.1
Fresno	40	2.1%	4.0	47	2.6%	4.7	31	1.7%	3.1	31	1.7%	3.1	41	2.3%	4.0
Glenn	0	0.0%	0.0	1	0.1%	3.5	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Humboldt	9	0.5%	6.6	7	0.4%	5.2	9	0.5%	6.6	3	0.2%	2.2	7	0.4%	5.2
Imperial	5	0.3%	2.7	3	0.2%	1.6	9	0.5%	4.8	3	0.2%	1.6	2	0.1%	1.0
Inyo	1	0.1%	5.4	2	0.1%	10.8	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Kern	30	1.6%	3.4	27	1.5%	3.0	44	2.4%	4.9	36	2.0%	4.0	30	1.7%	3.2
Kings	0	0.0%	0.0	3	0.2%	2.0	1	0.1%	0.7	2	0.1%	1.3	2	0.1%	1.3
Lake	5	0.3%	7.8	4	0.2%	6.2	7	0.4%	10.8	6	0.3%	9.2	3	0.2%	4.6
Lassen	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	3.3	2	0.1%	6.7
Los Angeles	647	34.7%	6.3	641	34.9%	6.3	621	33.8%	6.0	577	31.5%	5.6	592	32.8%	5.8
Madera	1	0.1%	0.6	1	0.1%	0.6	4	0.2%	2.5	3	0.2%	1.9	3	0.2%	1.9
Marin	10	0.5%	3.8	12	0.7%	4.6	6	0.3%	2.3	9	0.5%	3.4	12	0.7%	4.6
Mariposa	1	0.1%	5.5	1	0.1%	5.6	1	0.1%	5.6	0	0.0%	0.0	2	0.1%	11.2
Mendocino	3	0.2%	3.4	4	0.2%	4.5	3	0.2%	3.4	2	0.1%	2.3	2	0.1%	2.3
Merced	11	0.6%	4.0	5	0.3%	1.8	7	0.4%	2.5	13	0.7%	4.7	7	0.4%	2.4
Modoc	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.1%	10.5	0	0.0%	0.0
Mono	0	0.0%	0.0	1	0.1%	7.2	1	0.1%	7.2	0	0.0%	0.0	0	0.0%	0.0
Monterey	14	0.8%	3.2	11	0.6%	2.5	8	0.4%	1.8	13	0.7%	2.9	13	0.7%	2.9
Napa	2	0.1%	1.4	1	0.1%	0.7	0	0.0%	0.0	5	0.3%	3.6	1	0.1%	0.7
Nevada	3	0.2%	3.1	3	0.2%	3.0	3	0.2%	3.0	4	0.2%	4.1	2	0.1%	2.0
Orange	82	4.4%	2.6	88	4.8%	2.7	98	5.3%	3.0	88	4.8%	2.7	68	3.8%	2.1
Placer	8	0.4%	2.1	6	0.3%	1.6	6	0.3%	1.5	9	0.5%	2.3	7	0.4%	1.7
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	154	8.3%	6.5	144	7.8%	6.0	186	10.1%	7.7	182	9.9%	7.5	190	10.5%	7.7
Sacramento	90	4.8%	6.0	65	3.5%	4.3	53	2.9%	3.4	77	4.2%	5.0	65	3.6%	4.1
San Benito	2	0.1%	3.4	0	0.0%	0.0	1	0.1%	1.6	0	0.0%	0.0	1	0.1%	1.6
San Bernardino	69	3.7%	3.2	85	4.6%	3.9	64	3.5%	2.9	70	3.8%	3.2	85	4.7%	3.8
San Diego	137	7.3%	4.2	134	7.3%	4.0	151	8.2%	4.5	159	8.7%	4.8	115	6.4%	3.4
San Francisco	162	8.7%	18.6	205	11.2%	23.3	195	10.6%	22.0	193	10.5%	21.8	217	12.0%	24.3
San Joaquin	32	1.7%	4.3	38	2.1%	5.1	25	1.4%	3.3	35	1.9%	4.6	26	1.4%	3.3
San Luis Obispo	8	0.4%	2.9	11	0.6%	3.9	4	0.2%	1.4	3	0.2%	1.1	4	0.2%	1.4
San Mateo	22	1.2%	2.9	8	0.4%	1.0	20	1.1%	2.6	19	1.0%	2.5	14	0.8%	1.8
Santa Barbara	7	0.4%	1.6	10	0.5%	2.2	8	0.4%	1.8	8	0.4%	1.8	11	0.6%	2.4
Santa Clara	42	2.3%	2.2	28	1.5%	1.4	35	1.9%	1.8	27	1.5%	1.4	37	2.0%	1.9
Santa Cruz	6	0.3%	2.2	5	0.3%	1.8	7	0.4%	2.5	4	0.2%	1.5	7	0.4%	2.6
Shasta	7	0.4%	3.9	2	0.1%	1.1	6	0.3%	3.4	7	0.4%	3.9	7	0.4%	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	1	0.1%	2.3	0	0.0%	0.0	2	0.1%	4.5	0	0.0%	0.0	0	0.0%	0.0
Solano	23	1.2%	5.3	27	1.5%	6.2	13	0.7%	3.0	18	1.0%	4.1	11	0.6%	2.5
Sonoma	18	1.0%	3.6	36	2.0%	7.2	21	1.1%	4.2	29	1.6%	5.8	27	1.5%	5.4
Stanislaus	23	1.2%	4.2	9	0.5%	1.6	11	0.6%	2.0	19	1.0%	3.4	18	1.0%	3.2
Sutter	3	0.2%	3.1	2	0.1%	2.0	2	0.1%	2.0	1	0.1%	1.0	3	0.2%	2.8
Tehama	0	0.0%	0.0	0	0.0%	0.0	2	0.1%	3.1	4	0.2%	6.2	2	0.1%	3.0
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	17	0.9%	3.6	12	0.7%	2.5	11	0.6%	2.3	10	0.5%	2.1	12	0.7%	2.5
Tuolumne	0	0.0%	0.0	3	0.2%	5.7	0	0.0%	0.0	1	0.1%	1.9	0	0.0%	0.0
Ventura	23	1.2%	2.7	15	0.8%	1.8	17	0.9%	2.0	18	1.0%	2.1	18	1.0%	2.1
Yolo	6	0.3%	2.8	4	0.2%	1.8	10	0.5%	4.5	4	0.2%	1.8	1	0.1%	0.4
Yuba	3	0.2%	4.0	2	0.1%	2.6	5	0.3%	6.5	1	0.1%	1.3	2	0.1%	2.5
Total	1,864		4.7	1,838		4.6	1,836		4.6	1,832		4.6	1,806		4.5
Berkeley city	4	0.2%	3.3	8	0.4%	6.6	7	0.4%	5.8	4	0.2%	3.3	7	0.4%	5.6
Long Beach city	42	2.3%	8.9	66	3.6%	14.1	68	3.7%	14.5	44	2.4%	9.4	26	1.4%	5.6
Pasadena city	5	0.3%	3.6	4	0.2%	2.8	10	0.5%	7.1	4	0.2%	2.8	2	0.1%	1.4

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 LHJ numbers).