



Supplemental Tables to the California HIV Surveillance Report — 2016

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Table of Tables

Table S1a. Persons newly diagnosed with HIV infection, by race/ethnicity and selected demographic characteristics, 2016—California.....Page 1

Table S1b. Persons newly diagnosed with HIV infection, by race/ethnicity and transmission category, 2016—California.....Page 2

Table S2a. Persons living with diagnosed HIV infection, by race/ethnicity and selected demographic characteristics, 2016—California.....Page 3

Table S2b. Persons living with diagnosed HIV infection, by race/ethnicity and transmission category, 2016—California.....Page 4

Table S3a. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by year and selected demographic characteristics, 2012-2016—California.....Page 5

Table S3b. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by year and transmission category, 2012-2016—California.....Page 6

Table S3c. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by year and local health jurisdiction, 2012-2016—California.....Page 7

Table S4a. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by race/ethnicity and selected demographic characteristics, 2016—California.....Page 8

Table S4b. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by race/ethnicity and transmission category, 2016—California.....Page 9

Technical Notes on the Supplemental Tables.....Page 10

Table S1a. Persons newly diagnosed with HIV infection, by race/ethnicity and selected demographic characteristics, 2016—California

Characteristic	American Indian/Alaska Native		Asian		Black/African American		Hispanic/Latino		Native Hawaiian/Other Pacific Islander		White		Multiple Races		Total	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Age at diagnosis (years)																
0 to 11	0	0.0	1	0.2	1	0.3	5	0.2	0	0.0	2	0.1	1	0.3	10	0.2
12 to 14	0	0.0	0	0.0	3	3.6	0	0.0	0	0.0	0	0.0	0	0.0	3	0.2
15 to 17	0	0.0	2	1.2	7	7.7	13	1.7	0	0.0	4	0.9	1	1.6	27	1.7
18 to 19	0	0.0	6	4.2	38	48.8	58	9.8	0	0.0	20	5.3	2	4.0	124	9.9
20 to 24	2	14.6	44	13.1	163	81.3	430	30.0	2	16.2	155	16.6	27	25.6	823	27.1
25 to 29	6	53.6	74	23.5	186	114.6	504	44.7	2	18.1	222	26.7	25	34.3	1,019	40.3
30 to 34	5	45.2	57	15.2	121	78.7	359	31.2	3	26.8	195	20.3	15	21.8	755	27.6
35 to 39	2	19.0	54	14.3	104	71.7	276	24.8	1	9.4	150	16.4	15	25.2	602	22.9
40 to 44	4	40.0	32	8.0	89	64.2	201	19.0	1	10.3	120	13.9	11	22.3	458	18.1
45 to 49	0	0.0	24	6.2	79	50.1	178	17.8	0	0.0	129	12.6	10	21.3	420	15.9
50 to 54	0	0.0	17	4.6	84	50.2	132	15.3	2	20.0	161	14.1	5	11.4	401	15.4
55 to 59	1	7.5	12	3.4	45	27.6	62	8.7	0	0.0	95	7.6	7	17.1	222	8.8
60 to 64	1	8.8	5	1.6	17	13.0	28	5.2	0	0.0	52	4.4	2	6.3	105	4.7
65 to 74	2	12.7	6	1.4	17	9.9	19	3.0	0	0.0	37	2.0	0	0.0	81	2.6
≥ 75	0	0.0	1	0.3	1	0.9	4	1.0	0	0.0	5	0.4	0	0.0	11	0.5
Gender																
Male	18	21.5	302	11.2	743	64.9	2,025	26.6	7	10.5	1,190	15.6	107	19.0	4,392	22.2
Female	4	4.9	30	1.2	194	17.4	196	2.5	4	6.2	148	2.0	11	2.0	587	3.0
Transgender: Male-to-Female	1	-	3	-	17	-	46	-	0	-	7	-	3	-	77	-
Transgender: Female-to-Male	0	-	0	-	1	-	2	-	0	-	2	-	0	-	5	-
Alternative Gender	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
Total	23	13.9	335	6.5	955	42.2	2,269	14.7	11	8.4	1,347	8.9	121	10.9	5,061	12.9

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 S1b. Persons newly diagnosed with HIV infection, by race/ethnicity and transmission category, 2016—California

Transmission category	American Indian/ Alaska Native		Asian		Black/ African American		Hispanic/ Latino		Native Hawaiian/ Other Pacific Islander		White		Multiple Races		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Male adult or adolescent (≥12 years old at diagnosis)																
Male-to-male sexual contact (MSM)	15	78.9%	231	76.0%	472	62.2%	1,545	74.7%	5	71.4%	860	71.8%	84	76.4%	3,212	72.0%
Injection drug use (IDU)	0	0.0%	5	1.6%	22	2.9%	49	2.4%	0	0.0%	48	4.0%	4	3.6%	128	2.9%
MSM and IDU	2	10.5%	3	1.0%	10	1.3%	60	2.9%	1	14.3%	76	6.3%	3	2.7%	155	3.5%
High-risk heterosexual contact (HRH)	1	5.3%	10	3.3%	27	3.6%	55	2.7%	0	0.0%	34	2.8%	3	2.7%	130	2.9%
Heterosexual contact (Non-HRH)	0	0.0%	20	6.6%	102	13.4%	170	8.2%	1	14.3%	70	5.8%	8	7.3%	371	8.3%
Unknown risk	1	5.3%	35	11.5%	126	16.6%	189	9.1%	0	0.0%	109	9.1%	8	7.3%	468	10.5%
Subtotal	19		304		759		2,068		7		1,197		110		4,464	
Female adult or adolescent (≥12 years old at diagnosis)																
Injection drug use (IDU)	0	0.0%	0	0.0%	8	4.1%	16	8.2%	1	25.0%	32	21.6%	3	30.0%	60	10.2%
High-risk heterosexual contact (HRH)	1	25.0%	13	43.3%	49	25.1%	76	38.8%	0	0.0%	49	33.1%	5	50.0%	193	32.9%
Heterosexual contact (Non-HRH)	3	75.0%	15	50.0%	109	55.9%	83	42.3%	3	75.0%	44	29.7%	2	20.0%	259	44.1%
Perinatal	0	0.0%	0	0.0%	2	1.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	0.3%
Unknown risk	0	0.0%	2	6.7%	27	13.8%	21	10.7%	0	0.0%	23	15.5%	0	0.0%	73	12.4%
Subtotal	4		30		195		196		4		148		10		587	
Child (<12 years old at diagnosis)																
Perinatal	0	0.0%	1	100.0%	0	0.0%	4	80.0%	0	0.0%	1	50.0%	1	100.0%	7	70.0%
Unknown risk	0	0.0%	0	0.0%	1	100.0%	1	20.0%	0	0.0%	0	0.0%	0	0.0%	2	20.0%
Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	50.0%	0	0.0%	1	10.0%
Subtotal	0		1		1		5		0		2		1		10	
Total	23		335		955		2,269		11		1,347		121		5,061	

Note: Transmission category classified by sex at birth. High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex at birth who is HIV-positive or has a high risk for HIV (i.e., MSM, IDU). Heterosexual contact (non-high-risk; Non-HRH): heterosexual intercourse with a person of the opposite sex at birth who does not have a high risk for HIV. 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 S2a. Persons living with diagnosed HIV infection, by race/ethnicity and selected demographic characteristics, 2016—California

Characteristic	American Indian/Alaska Native		Asian		Black/African American		Hispanic/Latino		Native Hawaiian/Other Pacific Islander		White		Multiple Races		Total	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Age at diagnosis (years)																
0 to 11	0	0.0	13	2.0	39	12.8	30	0.9	0	0.0	26	1.6	8	2.3	116	1.9
12 to 14	0	0.0	6	3.7	30	36.2	26	3.3	1	19.3	14	3.3	4	6.0	81	5.3
15 to 17	0	0.0	6	3.6	39	43.1	49	6.2	0	0.0	11	2.5	3	4.7	108	7.0
18 to 19	0	0.0	9	6.3	74	95.0	125	21.2	0	0.0	32	8.5	5	10.1	245	19.6
20 to 24	9	65.8	151	44.8	748	373.2	1,449	101.1	5	40.4	545	58.5	105	99.5	3,013	99.3
25 to 29	27	241.0	404	128.3	1,887	1,162.9	3,370	298.8	26	235.2	1,672	201.5	264	362.1	7,650	302.4
30 to 34	27	244.3	550	146.6	2,062	1,340.9	4,741	412.6	29	258.9	2,587	268.8	316	459.3	10,312	377.5
35 to 39	44	417.8	627	166.2	1,949	1,343.3	5,763	518.4	45	424.3	3,055	334.1	365	613.1	11,848	450.6
40 to 44	35	349.8	732	183.1	2,036	1,467.6	5,998	567.0	42	430.9	3,774	436.5	351	712.9	12,968	512.5
45 to 49	67	591.1	852	218.9	2,965	1,879.1	7,504	750.6	36	357.5	7,227	707.8	491	1,047.6	19,142	726.2
50 to 54	87	684.3	738	200.8	3,872	2,312.9	7,456	863.7	37	370.2	10,999	962.5	547	1,248.3	23,737	910.3
55 to 59	58	437.7	457	130.8	3,377	2,068.0	5,038	709.0	18	194.3	9,857	788.2	409	1,002.0	19,214	757.3
60 to 64	29	253.9	342	108.2	2,201	1,679.7	2,801	519.7	22	302.7	6,643	564.8	238	754.5	12,277	554.9
65 to 74	20	126.5	273	61.4	1,613	943.7	1,948	303.6	9	98.7	5,786	315.6	206	519.3	9,857	312.4
≥ 75	2	22.4	51	15.3	232	203.2	448	107.8	2	37.6	1,082	77.1	20	83.9	1,837	79.7
Gender																
Male	332	396.3	4,487	167.0	17,513	1,529.5	40,487	531.1	229	344.6	49,268	647.9	2,873	511.2	115,193	582.6
Female	65	79.4	645	26.5	5,106	457.6	5,473	70.3	36	55.4	3,815	50.6	387	70.4	15,528	79.3
Transgender: Male-to-Female	8	-	79	-	490	-	765	-	7	-	212	-	71	-	1,632	-
Transgender: Female-to-Male	0	-	0	-	15	-	17	-	0	-	15	-	1	-	48	-
Alternative Gender	0	-	0	-	0	-	4	-	0	-	0	-	0	-	4	-
Total	405	244.5	5,211	101.7	23,124	1,022.9	46,746	303.3	272	206.9	53,310	351.9	3,332	299.6	132,405	336.4

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. There were five persons diagnosed and living with HIV in California with an unknown race/ethnicity.

Table S2b. Persons living with diagnosed HIV infection, by race/ethnicity and transmission category, 2016—California

Transmission category	American Indian/Alaska Native		Asian		Black/African American		Hispanic/Latino		Native Hawaiian/Other Pacific Islander		White		Multiple Races		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Male adult or adolescent																
(≥12 years old at diagnosis)																
Male-to-male sexual contact (MSM)	227	66.8%	3,674	80.6%	11,516	64.0%	30,841	74.8%	188	79.7%	39,629	80.1%	2,174	73.9%	88,251	75.6%
Injection drug use (IDU)	28	8.2%	79	1.7%	1,416	7.9%	1,670	4.0%	6	2.5%	1,896	3.8%	112	3.8%	5,207	4.5%
MSM and IDU	55	16.2%	164	3.6%	1,450	8.1%	2,434	5.9%	22	9.3%	4,722	9.5%	371	12.6%	9,218	7.9%
High-risk heterosexual contact (HRH)	8	2.4%	163	3.6%	1,120	6.2%	1,436	3.5%	2	0.8%	850	1.7%	80	2.7%	3,661	3.1%
Heterosexual contact (Non-HRH)	5	1.5%	230	5.0%	1,151	6.4%	2,256	5.5%	11	4.7%	862	1.7%	71	2.4%	4,586	3.9%
Perinatal	1	0.3%	7	0.2%	105	0.6%	120	0.3%	1	0.4%	45	0.1%	16	0.5%	295	0.3%
Unknown risk	16	4.7%	221	4.8%	1,198	6.7%	2,405	5.8%	6	2.5%	1,352	2.7%	112	3.8%	5,310	4.5%
Other	0	0.0%	20	0.4%	29	0.2%	78	0.2%	0	0.0%	115	0.2%	6	0.2%	248	0.2%
Subtotal	340		4,558		17,985		41,240		236		49,471		2,942		116,776	
Female adult or adolescent																
(≥12 years old at diagnosis)																
Injection drug use (IDU)	24	36.9%	30	4.7%	901	17.7%	613	11.2%	6	16.7%	1,107	29.0%	91	23.8%	2,772	17.9%
High-risk heterosexual contact (HRH)	24	36.9%	396	61.9%	2,452	48.1%	3,059	55.9%	19	52.8%	1,883	49.4%	178	46.6%	8,011	51.6%
Heterosexual contact (Non-HRH)	13	20.0%	150	23.4%	1,245	24.4%	1,223	22.3%	10	27.8%	550	14.4%	80	20.9%	3,271	21.1%
Perinatal	1	1.5%	7	1.1%	125	2.5%	154	2.8%	0	0.0%	55	1.4%	9	2.4%	352	2.3%
Unknown risk	1	1.5%	46	7.2%	348	6.8%	381	7.0%	1	2.8%	173	4.5%	19	5.0%	969	6.2%
Other	2	3.1%	11	1.7%	29	0.6%	46	0.8%	0	0.0%	45	1.2%	5	1.3%	138	0.9%
Subtotal	65		640		5,100		5,476		36		3,813		382		15,513	
Child																
(<12 years old at diagnosis)																
Perinatal	0	0.0%	10	76.9%	34	87.2%	26	86.7%	0	0.0%	21	80.8%	8	100.0%	99	85.3%
Unknown risk	0	0.0%	3	23.1%	5	12.8%	3	10.0%	0	0.0%	4	15.4%	0	0.0%	15	12.9%
Other	0	0.0%	0	0.0%	0	0.0%	1	3.3%	0	0.0%	1	3.8%	0	0.0%	2	1.7%
Subtotal	0		13		39		30		0		26		8		116	
Total	405		5,211		23,124		46,746		272		53,310		3,332		132,405	

Note: Transmission category classified by sex at birth. High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex at birth who is HIV-positive or has a high risk for HIV (i.e., MSM, IDU). Heterosexual contact (non-high-risk; Non-HRH): heterosexual intercourse with a person of the opposite sex at birth who does not have a high risk for HIV. "Other" includes exposure to blood transfusion or blood products, receiving a transplant, occupational exposure, and other unspecified risks. 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. There were five persons diagnosed and living with HIV in California with an unknown race/ethnicity.

Table S3a. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by year and selected demographic characteristics, 2012–2016—California

Characteristic	2012			2013			2014			2015			2016		
	N	%	Rate												
Age at diagnosis (years)															
0 to 11	35	0.1%	0.6	29	0.0%	0.5	28	0.0%	0.5	21	0.0%	0.3	19	0.0%	0.3
12 to 14	23	0.0%	1.5	20	0.0%	1.3	13	0.0%	0.8	18	0.0%	1.2	17	0.0%	1.1
15 to 17	55	0.1%	3.5	46	0.1%	2.9	35	0.1%	2.2	26	0.0%	1.7	22	0.0%	1.4
18 to 19	94	0.1%	7.4	81	0.1%	6.4	54	0.1%	4.3	41	0.1%	3.2	27	0.0%	2.2
20 to 24	621	0.9%	21.9	595	0.9%	20.5	543	0.8%	18.3	485	0.7%	16.2	444	0.7%	14.6
25 to 29	1,734	2.5%	65.1	1,717	2.5%	65.9	1,629	2.4%	63.7	1,529	2.3%	60.7	1,477	2.2%	58.4
30 to 34	3,241	4.7%	120.5	3,153	4.6%	115.0	3,048	4.5%	109.7	2,956	4.4%	106.9	2,834	4.2%	103.8
35 to 39	4,906	7.2%	195.1	4,662	6.8%	184.9	4,465	6.6%	175.7	4,285	6.3%	166.1	4,264	6.3%	162.2
40 to 44	9,213	13.5%	347.4	8,273	12.0%	313.2	7,272	10.7%	278.1	6,427	9.5%	250.2	5,870	8.6%	232.0
45 to 49	14,034	20.5%	535.5	13,302	19.3%	512.8	12,158	17.9%	469.9	11,219	16.5%	429.9	10,307	15.1%	391.0
50 to 54	13,922	20.4%	530.6	14,525	21.1%	550.3	14,845	21.8%	559.0	14,780	21.8%	559.6	14,345	21.0%	550.1
55 to 59	9,881	14.5%	419.1	10,513	15.3%	435.5	10,870	16.0%	441.9	11,558	17.0%	461.1	12,340	18.1%	486.4
60 to 64	5,827	8.5%	295.5	6,377	9.3%	315.9	6,901	10.1%	331.8	7,414	10.9%	345.3	8,163	12.0%	369.0
65 to 74	4,070	6.0%	158.9	4,679	6.8%	172.4	5,268	7.7%	183.9	6,019	8.9%	199.5	6,744	9.9%	213.7
≥ 75	711	1.0%	34.5	821	1.2%	39.0	964	1.4%	44.6	1,130	1.7%	50.6	1,316	1.9%	57.1
Race/ethnicity															
Hispanic/Latino	23,915	35.0%	164.3	24,436	35.5%	165.4	24,708	36.3%	164.6	25,002	36.8%	164.3	25,429	37.3%	165.0
American Indian/Alaska Native	199	0.3%	120.7	197	0.3%	119.3	190	0.3%	114.9	188	0.3%	113.6	191	0.3%	115.3
Asian	2,242	3.3%	45.4	2,331	3.4%	46.7	2,378	3.5%	47.1	2,438	3.6%	47.9	2,494	3.7%	48.7
Black/African American	11,906	17.4%	539.0	11,960	17.4%	538.7	11,832	17.4%	529.8	11,693	17.2%	520.3	11,667	17.1%	516.1
Native Hawaiian/Other Pacific Islander	125	0.2%	94.4	123	0.2%	93.0	124	0.2%	93.7	125	0.2%	94.8	126	0.2%	95.8
White	28,407	41.6%	188.5	28,157	40.9%	186.7	27,276	40.1%	180.5	26,887	39.6%	177.7	26,722	39.2%	176.4
Multiple races	1,568	2.3%	160.1	1,584	2.3%	156.5	1,580	2.3%	151.1	1,570	2.3%	145.5	1,555	2.3%	139.8
Unknown	5	0.0%	-	5	0.0%	-	5	0.0%	-	5	0.0%	-	5	0.0%	-
Gender															
Male	59,751	87.4%	315.9	60,120	87.4%	315.0	59,423	87.3%	308.3	59,178	87.1%	304.5	59,421	87.1%	303.4
Female	7,788	11.4%	40.7	7,837	11.4%	40.6	7,835	11.5%	40.2	7,887	11.6%	40.2	7,925	11.6%	40.1
Transgender: Male-to-Female	805	1.2%	-	815	1.2%	-	814	1.2%	-	823	1.2%	-	823	1.2%	-
Transgender: Female-to-Male	21	0.03%	-	19	0.03%	-	19	0.0%	-	19	0.0%	-	19	0.0%	-
Alternative gender identity	2	0.00%	-	2	0.00%	-	2	0.0%	-	1	0.0%	-	1	0.0%	-
Total	68,367		179.7	68,793		179.3	68,093		175.8	67,908		173.9	68,189		173.3

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 S3b. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by year and transmission category, 2012–2016—California

Transmission category	2012		2013		2014		2015		2016	
	N	%	N	%	N	%	N	%	N	%
Male adult or adolescent (≥12 years old at diagnosis)										
Male-to-male sexual contact (MSM)	43,922	72.5%	44,248	72.6%	43,679	72.5%	43,558	72.6%	43,739	72.6%
Injection drug use (IDU)	3,745	6.2%	3,688	6.1%	3,625	6.0%	3,546	5.9%	3,487	5.8%
MSM and IDU	6,144	10.1%	6,033	9.9%	5,805	9.6%	5,645	9.4%	5,572	9.3%
High-risk heterosexual contact (HRH)	2,257	3.7%	2,295	3.8%	2,319	3.9%	2,327	3.9%	2,334	3.9%
Heterosexual contact (Non-HRH)	2,157	3.6%	2,251	3.7%	2,334	3.9%	2,397	4.0%	2,511	4.2%
Perinatal	159	0.3%	160	0.3%	159	0.3%	161	0.3%	157	0.3%
Unknown risk	1,929	3.2%	2,020	3.3%	2,079	3.5%	2,143	3.6%	2,224	3.7%
Other	232	0.4%	230	0.4%	225	0.4%	214	0.4%	209	0.3%
Subtotal	60,545	88.6%	60,925	88.6%	60,225	88.4%	59,991	88.3%	60,233	88.3%
Female adult or adolescent (≥12 years old at diagnosis)										
Injection drug use (IDU)	1,848	24.1%	1,809	23.1%	1,763	22.8%	1,726	21.9%	1,694	21.3%
High-risk heterosexual contact (HRH)	4,251	55.5%	4,292	54.8%	4,276	55.4%	4,299	54.4%	4,307	54.3%
Heterosexual contact (Non-HRH)	1,102	14.4%	1,139	14.5%	1,194	15.5%	1,257	15.9%	1,294	16.3%
Perinatal	151	2.0%	157	2.0%	161	2.1%	168	2.1%	173	2.2%
Unknown risk	310	4.0%	317	4.0%	324	4.2%	328	4.2%	353	4.4%
Other	125	1.6%	125	1.6%	122	1.6%	118	1.5%	116	1.5%
Subtotal	7,787	11.4%	7,839	11.4%	7,840	11.5%	7,896	11.6%	7,937	11.6%
Child (<12 years old at diagnosis)										
Perinatal	34	97.1%	28	96.6%	25	89.3%	19	90.5%	17	89.5%
Unknown risk	1	2.9%	1	3.4%	2	7.1%	1	4.8%	1	5.3%
Other	0	0.0%	0	0.0%	1	3.6%	1	4.8%	1	5.3%
Subtotal	35	0.1%	29	0.0%	28	0.0%	21	0.0%	19	0.0%
Total	68,367		68,793		68,093		67,908		68,189	

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

Supplemental Tables to the California HIV Surveillance Report — 2016

Table S3c. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by year and local health jurisdiction, 2012–2016—California

County of residence	2012			2013			2014			2015			2016		
	N	%	Rate												
Alameda	3,655	5.3%	235.1	3,660	5.3%	232.3	3,672	5.4%	229.5	3,629	5.3%	224.1	3,539	5.2%	216.1
Alpine	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	87.1
Amador	32	0.0%	84.8	30	0.0%	79.8	27	0.0%	72.1	25	0.0%	67.0	93	0.1%	250.1
Butte	123	0.2%	55.5	123	0.2%	55.3	129	0.2%	57.6	126	0.2%	56.2	146	0.2%	64.9
Calaveras	17	0.0%	37.5	16	0.0%	35.5	19	0.0%	42.2	22	0.0%	49.0	28	0.0%	62.5
Colusa	3	0.0%	13.8	3	0.0%	13.7	3	0.0%	13.6	2	0.0%	9.0	2	0.0%	8.9
Contra Costa	1,302	1.9%	121.0	1,340	1.9%	123.0	1,348	2.0%	122.2	1,328	2.0%	118.9	1,438	2.1%	127.3
Del Norte	14	0.0%	50.0	13	0.0%	47.2	12	0.0%	44.1	13	0.0%	47.9	11	0.0%	40.7
El Dorado	76	0.1%	42.0	77	0.1%	42.2	82	0.1%	44.9	76	0.1%	41.5	95	0.1%	51.6
Fresno	925	1.4%	97.3	958	1.4%	99.8	968	1.4%	99.9	974	1.4%	99.5	1,009	1.5%	102.0
Glenn	6	0.0%	21.0	6	0.0%	20.9	5	0.0%	17.3	6	0.0%	20.7	9	0.0%	31.0
Humboldt	88	0.1%	65.3	87	0.1%	64.5	91	0.1%	67.5	100	0.1%	74.0	111	0.2%	81.6
Imperial	141	0.2%	78.6	141	0.2%	78.2	145	0.2%	79.2	146	0.2%	78.8	162	0.2%	86.6
Inyo	10	0.0%	53.9	10	0.0%	53.8	13	0.0%	69.8	12	0.0%	64.4	16	0.0%	85.8
Kern	918	1.3%	107.0	871	1.3%	100.3	859	1.3%	98.0	878	1.3%	99.4	838	1.2%	94.3
Kings	89	0.1%	59.3	93	0.1%	61.9	89	0.1%	59.6	87	0.1%	58.1	95	0.1%	63.6
Lake	60	0.1%	92.5	65	0.1%	100.3	70	0.1%	107.4	86	0.1%	131.9	92	0.1%	141.3
Lassen	17	0.0%	51.5	18	0.0%	55.7	15	0.0%	47.1	15	0.0%	48.4	11	0.0%	35.9
Los Angeles	25,989	38.0%	260.2	26,561	38.6%	264.1	26,611	39.1%	262.8	26,276	38.7%	258.0	25,516	37.4%	249.4
Madera	93	0.1%	61.7	94	0.1%	61.7	104	0.2%	67.5	104	0.2%	67.1	104	0.2%	66.8
Marin	492	0.7%	192.4	486	0.7%	188.0	540	0.8%	206.9	506	0.7%	193.1	472	0.7%	179.3
Mariposa	16	0.0%	87.8	14	0.0%	77.1	13	0.0%	71.7	13	0.0%	71.9	12	0.0%	66.5
Mendocino	109	0.2%	123.9	102	0.1%	115.8	111	0.2%	125.4	105	0.2%	118.7	110	0.2%	123.6
Merced	99	0.1%	37.7	99	0.1%	37.4	97	0.1%	36.2	101	0.1%	37.4	138	0.2%	50.6
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	4	0.0%	28.3	1	0.0%	7.2	0	0.0%	0.0	4	0.0%	28.9	4	0.0%	29.0
Monterey	419	0.6%	98.8	418	0.6%	98.0	431	0.6%	100.3	426	0.6%	97.7	423	0.6%	95.9
Napa	100	0.1%	72.1	96	0.1%	68.9	100	0.1%	71.1	138	0.2%	97.5	149	0.2%	104.7
Nevada	52	0.1%	53.0	52	0.1%	53.2	51	0.1%	51.9	56	0.1%	57.0	73	0.1%	74.1
Orange	3,831	5.6%	124.2	3,777	5.5%	121.4	3,781	5.6%	120.5	3,694	5.4%	116.9	3,575	5.2%	112.4
Placer	121	0.2%	33.6	124	0.2%	34.0	120	0.2%	32.6	120	0.2%	32.4	173	0.3%	46.0
Plumas	3	0.0%	15.1	3	0.0%	15.2	3	0.0%	15.2	5	0.0%	25.5	6	0.0%	30.8
Riverside	3,025	4.4%	134.2	3,086	4.5%	135.5	3,091	4.5%	134.1	3,420	5.0%	146.8	4,172	6.1%	176.7
Sacramento	1,876	2.7%	129.8	1,897	2.8%	130.3	1,877	2.8%	127.4	1,809	2.7%	121.4	2,016	3.0%	133.8
San Benito	24	0.0%	42.6	22	0.0%	38.8	20	0.0%	35.0	19	0.0%	33.0	23	0.0%	39.6
San Bernardino	1,783	2.6%	85.8	1,779	2.6%	85.0	1,804	2.6%	85.4	1,811	2.7%	85.0	2,108	3.1%	98.1
San Diego	6,648	9.7%	209.4	6,671	9.7%	207.9	6,709	9.9%	206.5	6,663	9.8%	203.4	6,888	10.1%	208.7
San Francisco	8,554	12.5%	1027.4	8,324	12.1%	986.6	7,393	10.9%	866.0	7,501	11.0%	869.1	6,925	10.2%	794.9
San Joaquin	622	0.9%	88.8	665	1.0%	94.2	710	1.0%	99.0	726	1.1%	99.8	722	1.1%	97.7
San Luis Obispo	392	0.6%	143.8	382	0.6%	139.7	353	0.5%	127.9	305	0.4%	110.2	243	0.4%	87.1
San Mateo	850	1.2%	114.8	844	1.2%	112.7	841	1.2%	111.2	826	1.2%	108.1	802	1.2%	104.4
Santa Barbara	337	0.5%	78.3	337	0.5%	77.4	348	0.5%	79.1	348	0.5%	78.2	339	0.5%	75.6
Santa Clara	2,265	3.3%	123.1	2,239	3.3%	120.0	2,201	3.2%	116.4	2,123	3.1%	110.9	1,974	2.9%	102.3
Santa Cruz	247	0.4%	92.3	244	0.4%	90.2	248	0.4%	91.3	257	0.4%	93.6	267	0.4%	96.7
Shasta	110	0.2%	61.8	111	0.2%	62.1	110	0.2%	61.4	106	0.2%	59.3	107	0.2%	60.0
Sierra	0	0.0%	0.0	0	0.0%	0.0	1	0.0%	31.6	1	0.0%	31.8	1	0.0%	31.8
Siskiyou	23	0.0%	51.4	23	0.0%	51.5	25	0.0%	56.0	32	0.0%	71.9	38	0.1%	85.6
Solano	694	1.0%	166.3	700	1.0%	166.4	693	1.0%	162.9	715	1.1%	166.6	750	1.1%	172.8
Sonoma	814	1.2%	166.2	817	1.2%	165.2	809	1.2%	162.5	791	1.2%	157.8	922	1.4%	183.0
Stanislaus	348	0.5%	66.5	348	0.5%	65.9	370	0.5%	69.6	390	0.6%	72.4	444	0.7%	81.5
Sutter	34	0.0%	35.4	35	0.1%	36.3	36	0.1%	37.1	36	0.1%	36.9	40	0.1%	40.7
Tehama	22	0.0%	34.5	24	0.0%	37.7	22	0.0%	34.5	20	0.0%	31.3	26	0.0%	40.6
Trinity	10	0.0%	73.0	9	0.0%	65.9	10	0.0%	73.5	10	0.0%	73.7	10	0.0%	74.2
Tulare	169	0.2%	37.4	176	0.3%	38.6	185	0.3%	40.2	197	0.3%	42.5	214	0.3%	45.7
Tuolumne	22	0.0%	40.0	21	0.0%	38.3	22	0.0%	40.2	20	0.0%	36.7	24	0.0%	44.2
Ventura	535	0.8%	64.0	534	0.8%	63.4	535	0.8%	63.1	539	0.8%	63.3	504	0.7%	59.0
Yolo	125	0.2%	60.9	132	0.2%	63.4	135	0.2%	64.3	133	0.2%	62.5	134	0.2%	61.8
Yuba	34	0.0%	46.1	35	0.1%	47.1	36	0.1%	48.0	37	0.1%	49.0	45	0.1%	59.1
Total	68,367		179.7	68,793		179.3	68,093		175.8	67,908		173.9	68,189		173.3
Berkeley	265	0.4%	229.6	265	0.4%	226.4	266	0.4%	224.0	273	0.4%	226.3	269	0.4%	221.9
Long Beach	2,850	4.2%	609.2	2,857	4.2%	609.0	2,786	4.1%	592.2	2,717	4.0%	576.3	2,593	3.8%	551.5
Pasadena	301	0.4%	217.5	302	0.4%	216.3	314	0.5%	224.4	321	0.5%	227.0	310	0.5%	218.2

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

Table S4a. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by race/ethnicity and selected demographic characteristics, 2016—California

Characteristic	American Indian/Alaska Native		Asian		Black/African American		Hispanic/Latino		Native Hawaiian/Other Pacific Islander		White		Multiple Races		Total	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Age at diagnosis (years)																
0 to 11	0	0.0	2	0.3	4	1.3	9	0.3	0	0.0	3	0.2	1	0.3	19	0.3
12 to 14	0	0.0	2	1.2	6	7.2	5	0.6	1	19.3	0	0.0	3	4.5	17	1.1
15 to 17	0	0.0	1	0.6	6	6.6	12	1.5	0	0.0	3	0.7	0	0.0	22	1.4
18 to 19	0	0.0	2	1.4	9	11.5	14	2.4	0	0.0	2	0.5	0	0.0	27	2.2
20 to 24	1	7.3	22	6.5	134	66.9	217	15.1	1	8.1	59	6.3	9	8.5	444	14.6
25 to 29	5	44.6	71	22.5	388	239.1	719	63.8	5	45.2	237	28.6	52	71.3	1,477	58.4
30 to 34	4	36.2	137	36.5	569	370.0	1,516	131.9	9	80.4	507	52.7	92	133.7	2,834	103.8
35 to 39	15	142.4	215	57.0	650	448.0	2,427	218.3	17	160.3	807	88.2	133	223.4	4,264	162.2
40 to 44	15	149.9	303	75.8	892	643.0	3,158	298.5	15	153.9	1,328	153.6	159	322.9	5,870	232.0
45 to 49	31	273.5	478	122.8	1,594	1,010.2	4,614	461.5	17	168.8	3,334	326.5	239	509.9	10,307	391.0
50 to 54	53	416.9	465	126.5	2,419	1,445.0	5,169	598.8	21	210.1	5,895	515.9	322	734.8	14,345	550.1
55 to 59	37	279.2	313	89.6	2,203	1,349.0	3,661	515.2	15	162.0	5,875	469.8	236	578.2	12,340	486.4
60 to 64	18	157.6	243	76.9	1,481	1,130.2	2,072	384.5	16	220.1	4,181	355.5	151	478.7	8,163	369.0
65 to 74	11	69.6	199	44.8	1,143	668.7	1,485	231.4	7	76.8	3,753	204.7	144	363.0	6,744	213.7
≥ 75	1	11.2	41	12.3	169	148.0	351	84.4	2	37.6	738	52.6	14	58.7	1,316	57.1
Gender																
Male	157	187.4	2,115	78.7	8,802	768.7	22,138	290.4	106	159.5	24,763	325.6	1,336	237.7	59,421	300.5
Female	33	40.3	336	13.8	2,614	234.3	2,880	37.0	16	24.6	1,860	24.7	185	33.6	7,925	40.5
Transgender: Male-to-Female	1	-	43	-	245	-	401	-	4	-	95	-	34	-	823	-
Transgender: Female-to-Male	0	-	0	-	6	-	9	-	0	-	4	-	0	-	19	-
Alternative Gender	0	-	0	-	0	-	1	-	0	-	0	-	0	-	1	-
Total	191	115.3	2,494	48.7	11,667	516.1	25,429	165.0	126	95.8	26,722	176.4	1,555	139.8	68,189	173.3

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. There were five persons diagnosed and living with HIV in California with an unknown race/ethnicity.

Table S4b. Persons living with diagnosed HIV infection ever classified as stage 3 (AIDS), by race/ethnicity and transmission category, 2016—California

Transmission category	American Indian/Alaska Native		Asian		Black/African American		Hispanic/Latino		Native Hawaiian/Other Pacific Islander		White		Multiple Races		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Male adult or adolescent																
(≥12 years old at diagnosis)																
Male-to-male sexual contact (MSM)	94	59.5%	1,658	76.9%	5,363	59.3%	16,066	71.3%	83	75.5%	19,520	78.5%	953	69.6%	43,739	72.6%
Injection drug use (IDU)	20	12.7%	43	2.0%	961	10.6%	1,196	5.3%	2	1.8%	1,194	4.8%	71	5.2%	3,487	5.8%
MSM and IDU	30	19.0%	101	4.7%	955	10.6%	1,558	6.9%	12	10.9%	2,702	10.9%	214	15.6%	5,572	9.3%
High-risk heterosexual contact (HRH)	5	3.2%	102	4.7%	679	7.5%	1,035	4.6%	1	0.9%	469	1.9%	41	3.0%	2,334	3.9%
Heterosexual contact (Non-HRH)	3	1.9%	136	6.3%	556	6.1%	1,356	6.0%	7	6.4%	419	1.7%	34	2.5%	2,511	4.2%
Perinatal	1	0.6%	5	0.2%	44	0.5%	73	0.3%	1	0.9%	25	0.1%	8	0.6%	157	0.3%
Unknown risk	5	3.2%	92	4.3%	463	5.1%	1,181	5.2%	4	3.6%	437	1.8%	42	3.1%	2,224	3.7%
Other	0	0.0%	19	0.9%	24	0.3%	69	0.3%	0	0.0%	91	0.4%	6	0.4%	209	0.3%
Subtotal	158		2,156		9,045		22,534		110		24,857		1,369		60,233	
Female adult or adolescent																
(≥12 years old at diagnosis)																
Injection drug use (IDU)	14	42.4%	19	5.7%	597	22.8%	381	13.2%	2	12.5%	636	34.2%	45	24.3%	1,694	21.3%
High-risk heterosexual contact (HRH)	12	36.4%	222	66.1%	1,328	50.7%	1,711	59.3%	8	50.0%	936	50.3%	90	48.6%	4,307	54.3%
Heterosexual contact (Non-HRH)	4	12.1%	64	19.0%	474	18.1%	517	17.9%	6	37.5%	194	10.4%	35	18.9%	1,294	16.3%
Perinatal	1	3.0%	3	0.9%	71	2.7%	75	2.6%	0	0.0%	18	1.0%	4	2.2%	173	2.2%
Unknown risk	0	0.0%	19	5.7%	125	4.8%	161	5.6%	0	0.0%	41	2.2%	7	3.8%	353	4.4%
Other	2	6.1%	9	2.7%	23	0.9%	41	1.4%	0	0.0%	37	2.0%	4	2.2%	116	1.5%
Subtotal	33		336		2,618		2,886		16		1,862		185		7,937	
Child																
(<12 years old at diagnosis)																
Perinatal	0	0.0%	2	100.0%	4	100.0%	7	77.8%	0	0.0%	3	100.0%	1	100.0%	17	89.5%
Unknown risk	0	0.0%	0	0.0%	0	0.0%	1	11.1%	0	0.0%	0	0.0%	0	0.0%	1	5.3%
Other	0	0.0%	0	0.0%	0	0.0%	1	11.1%	0	0.0%	0	0.0%	0	0.0%	1	5.3%
Subtotal	0		2		4		9		0		3		1		19	
Total	191		2,494		11,667		25,429		126		26,722		1,555		68,189	

Note: Transmission category classified by sex at birth. High-risk heterosexual contact: heterosexual intercourse with a person of the opposite sex at birth who is HIV-positive or has a high risk for HIV (i.e., MSM, IDU). Heterosexual contact (non-high-risk: Non-HRH): heterosexual intercourse with a person of the opposite sex at birth who does not have a high risk for HIV. "Other" includes exposure to blood transfusion or blood products, receiving a transplant, occupational exposure, and other unspecified risks. There were five persons diagnosed and living with HIV in California with an unknown race/ethnicity.

Technical Notes on the Supplemental Tables

The information presented in this report is based on HIV surveillance data reported to the OA through January 26, 2018, 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. The term “stage 3 (AIDS)” refers specifically to the subset of persons with diagnosed HIV whose infection was classified as stage 3 (AIDS) during a given year (for tables of persons newly diagnosed) or whose infection has ever been classified as stage 3 (AIDS) (for tables of persons living with diagnosed infection). Stage 3 HIV infection (AIDS) is diagnosed when the immune system of a person infected with HIV becomes severely compromised—defined as low CD4 cell count (<200 cells/ μ L), or the diagnosis of an AIDS-defining opportunistic infection or illness. This report does not include estimates of the number of persons who are infected with HIV, but not yet diagnosed. Because persons test at differing times after becoming infected, the number of persons with newly diagnosed HIV infection is not necessarily representative of persons newly infected with HIV (HIV incidence). Please use caution when interpreting data on trends for groups with fewer than 20 cases. Small fluctuations from year to year can lead to dramatic changes in rates, which may not be indicative of changes in the epidemiology of HIV in these populations.

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

Gender: Persons were classified as being transgender if a case report form affirming their transgender status was present in HIV surveillance data by January 26, 2018. Otherwise individuals were classified according to their sex-at-birth.

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

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

Transmission category: Transmission category is the term for classifying cases based on a person’s reported HIV risk factors. The classification is based on the CDC algorithm and results from selecting the single risk factor most likely to have been responsible for transmission, even if multiple risk factors were reported. The CDC hierarchy of risk factors, from most likely to lead to HIV transmission, to least likely, is as follows: male-to-male sexual contact (MSM) and injection drug use

(IDU), MSM alone, IDU alone, receipt of clotting factor blood product for treatment of hemophilia or other chronic coagulation disorder, and high-risk-heterosexual (HRH) contact. Non-high-risk heterosexual contact was added by OA, and is last in the hierarchy. Classification is based on sex-at-birth.

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

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