



People Living with Diagnosed HIV Infection at the end of 2015, Hawai'i (2,519 cases)

- ◆ Sex: 89% (2,233) were male and 11% (286) were female.
- ◆ Risk Factor: 72% (1,812) were exposed through male-to-male sexual contact (MSM), 10% (255) through heterosexual contact, 7% (165) through injection drug use (IDU), 6% (156) through MSM/IDU, 5% (131) of cases were of undetermined risk and other.
- ◆ Race/Ethnicity: 49% (1,245) were White, 15% (388) Asian, 10% (253), Hispanic, 9% (237) Hawaiians or Pacific islander, 9% (214) multiple races, 7% (167) African-American, and 0.6% (15) others, which include American Indians/Alaskan and unknown race.
- ◆ Age at the end of 2015: 36% (893) were ages 55 and over, 34% (859) were ages 45-54, 17% (418) were ages 35-44, 11% (287) were ages 25-34, 2% (56) were ages 13-24, and 0.2% (6) were children.
- ◆ **County:** 68% (1,724) resided in Honolulu County, 16%(391) in Hawaii County, 12% (308) in Maui County, and 4% (96) in Kauai County.

*** Data is based on the most recent known address at the end of 2015

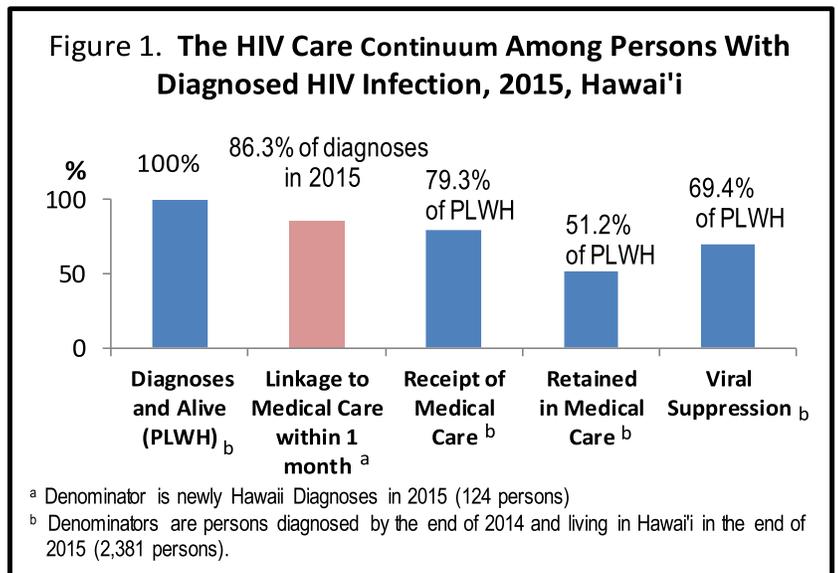
HIV Care Continuum Among Persons Living with Diagnosed HIV Infection, 2015, Hawai'i

Hawaii's 2015 HIV Continuum of care shows health outcomes of persons linked to medical care within one month after initial Hawaii diagnosis in 2015 and of persons living with HIV in Hawaii from receipt of HIV care, retention in HIV care to viral suppression in 2015. Persons who achieve viral suppression live longer, healthier lives and are at extremely low risk for transmitting HIV to others. All calculations are based on diagnosed cases only. In 2017, CDC estimated that Hawaii has 370 persons who were living with undiagnosed HIV in 2014, and these numbers are not included in the calculation.

In Hawai'i, there were an estimated 2,381 persons living with HIV who were ≥13 years old when diagnosed with HIV before the end of 2014 and had a last known residence in Hawaii as of the end of 2015. There were 124 individuals newly diagnosed within Hawai'i in 2015. The HIV care continuum (Figure 1) consists of the following:

- ◆ **Linked to HIV medical care within 1 month:** 86.3% (107/124). Defined as at least one CD4 and/or viral load test on or after the date of initial HIV diagnosis in 2015.
- ◆ **Receipt of HIV medical care:** 79.3% (1,887/2,381). Defined as ≥1 CD4 or viral load tests in 2015.
- ◆ **Retention in HIV medical care:** 51.2% (1,219/2,381). Defined as ≥2 CD4 or viral load tests performed at least 3 months apart in 2015.
- ◆ **HIV viral suppression:** 69.4% (1,652/2,381). Defined as the latest VL test with result of VL<200 copies/ml in 2015.

The details of continuum of HIV care by sex, race/ethnicity, risk, county, and age are shown in the Hawaii Epidemiology Profile, 2015 in [Hawaii HIV Surveillance website](#).



**Table 1. Hawai'i Reported HIV Infection Cases By Year,
Reported Through December 31, 2016**

		AIDS				HIV (not AIDS)				HIV Infection									
		1983-2014	2015	2016	Cumulative	1983-2014	2015	2016	Cumulative	Cumulative									
Cases by Year of Report¹		3,443	48	36	3,527	1,060	102	90	1,252	4,779									
Rate per 100,000 Population²		N/A	3.4	2.5	N/A	N/A	7.2	6.3	N/A	N/A									
Demographics/Risk		No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)								
SEX	Male	3,137	(91)	44	(92)	32	(89)	3,213	(91)	891	(84)	94	(92)	81	(90)	1,066	(85)	4,279	(90)
	Female	306	(9)	4	(8)	4	(11)	314	(9)	169	(16)	8	(8)	9	(10)	186	(15)	500	(10)
AGE³	<13	18	(<1)	0	(0)	0	(0)	18	(<1)	3	(<1)	0	(0)	0	(0)	3	(<1)	21	(<1)
	13-14	0	(0)	0	(0)	0	(0)	0	(0)	4	(<1)	1	(1)	0	(0)	5	(<1)	5	(<1)
	15-24	110	(3)	2	(4)	2	(6)	114	(3)	133	(13)	14	(14)	15	(17)	162	(13)	276	(6)
	25-34	952	(28)	8	(17)	1	(3)	961	(27)	345	(33)	48	(47)	41	(46)	434	(35)	1,395	(29)
	35-44	1,386	(40)	11	(23)	18	(50)	1,415	(40)	292	(28)	20	(20)	16	(18)	328	(26)	1,743	(36)
	45-54	701	(20)	15	(31)	9	(25)	725	(21)	202	(19)	13	(13)	9	(10)	224	(18)	949	(20)
	55-64	223	(6)	9	(19)	4	(11)	236	(7)	62	(6)	4	(4)	8	(9)	74	(6)	310	(6)
≥65	53	(1)	3	(6)	2	(6)	58	(2)	19	(2)	2	(2)	1	(1)	22	(2)	80	(2)	
RACE	Non-Hispanics																		
	Caucasians	1,937	(56)	18	(38)	12	(33)	1,967	(56)	578	(55)	36	(35)	30	(33)	644	(51)	2,611	(55)
	Asians	523	(15)	10	(21)	7	(19)	540	(15)	166	(16)	14	(14)	18	(20)	198	(16)	738	(15)
	Hawaiians/PI	421	(12)	6	(13)	7	(19)	434	(12)	83	(8)	14	(14)	11	(12)	108	(9)	542	(11)
	African Americans	166	(5)	3	(6)	1	(3)	170	(5)	51	(5)	12	(12)	14	(16)	77	(6)	247	(5)
	American Indians/Alaskans	9	(<1)	0	(0)	0	(0)	9	(<1)	5	(<1)	1	(1)	2	(2)	8	(1)	17	(<1)
	Multiple Race	133	(4)	4	(8)	3	(8)	140	(4)	80	(8)	19	(19)	9	(10)	108	(9)	248	(5)
	Legacy API⁴	8	(<1)	0	(0)	0	(0)	8	(<1)	0	(0)	0	(0)	0	(0)	0	(0)	8	(<1)
Hispanics	246	(7)	7	(15)	6	(17)	259	(7)	97	(9)	6	(6)	6	(7)	109	(9)	368	(8)	
RISK	Male to Male Sex (MSM)	2,487	(72)	25	(52)	23	(64)	2,535	(72)	715	(67)	77	(75)	62	(69)	854	(68)	3,389	(71)
	Injection Drug Use (IDU)	282	(8)	7	(15)	5	(14)	294	(8)	60	(6)	7	(7)	1	(1)	68	(5)	362	(8)
	MSM & IDU	258	(7)	2	(4)	0	(0)	260	(7)	46	(4)	4	(4)	3	(3)	53	(4)	313	(7)
	Heterosexual Contact	234	(7)	11	(23)	5	(14)	250	(7)	115	(11)	11	(11)	22	(24)	148	(12)	398	(8)
	Transfusion	22	(1)	0	(0)	0	(0)	22	(1)	1	(<1)	0	(0)	0	(0)	1	(<1)	23	(<1)
	Perinatal	15	(<1)	0	(0)	0	(0)	15	(<1)	0	(0)	0	(0)	0	(0)	0	(0)	15	(<1)
	Hemophiliac	20	(1)	0	(0)	0	(0)	20	(1)	1	(<1)	0	(0)	0	(0)	1	(<1)	21	(<1)
	Undetermined	125	(4)	3	(6)	3	(8)	131	(4)	122	(12)	3	(3)	2	(2)	127	(10)	258	(5)

Due to rounding, the columns percent of total for each category or the total might not total 100%.

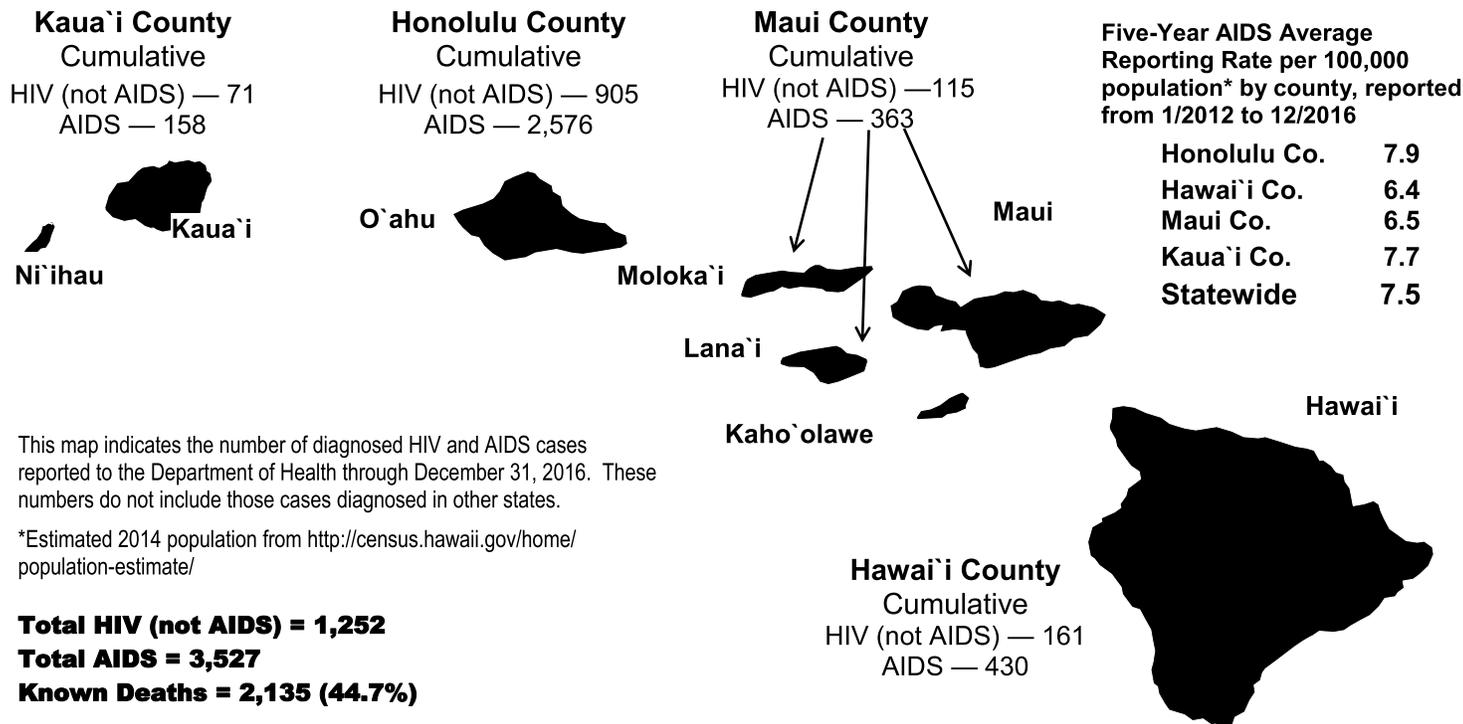
¹ The number of reported HIV/AIDS cases in previous years may change each year due to the on-going national de-duplication project.

² Each year's estimated population is from the State of Hawai'i's latest population estimate data: <http://census.hawaii.gov/home/population-estimate/>

³ Age at the time of diagnosis

⁴ Legacy API includes cases that cannot be classified as either specifically Asian or Pacific Islander.

Fig. 7. Reported HIV Infection Cases, Reported Through December 31, 2016, by County



This map indicates the number of diagnosed HIV and AIDS cases reported to the Department of Health through December 31, 2016. These numbers do not include those cases diagnosed in other states.

*Estimated 2014 population from <http://census.hawaii.gov/home/population-estimate/>

Table 2. 2016 Reported HIV Infection Cases by County

Reported Cases	Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co.		Statewide	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
HIV (not AIDS)	66	(73)	9	(64)	11	(85)	4	(44)	90	(71)
AIDS	24	(27)	5	(36)	2	(15)	5	(56)	36	(29)
Total Cases (row%)	90	(71)	14	(11)	13	(10)	9	(7)	126	(100)

Table 3. Cumulative HIV Infection, Reported by County, Cases to 2016

Sex and Risk		Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co.		Statewide	
		No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
S E X	Male	3,131	(90)	518	(88)	434	(91)	196	(86)	4,279	(90)
	Female	350	(10)	73	(12)	44	(9)	33	(14)	500	(10)
R I S K	Male to Male Sex (MSM)	2,471	(71)	402	(68)	363	(76)	153	(67)	3,389	(71)
	Injection Drug Use (IDU)	257	(7)	60	(10)	24	(5)	21	(9)	362	(8)
	MSM & IDU	229	(7)	37	(6)	34	(7)	13	(6)	313	(7)
	Heterosexual Contact	286	(8)	55	(9)	32	(7)	25	(11)	398	(8)
	Transfusion	17	(<1)	2	(<1)	2	(<1)	2	(1)	23	(<1)
	Perinatal	13	(<1)	2	(<1)	0	(0)	0	(0)	15	(<1)
	Hemophiliac	16	(<1)	3	(1)	2	(<1)	0	(0)	21	(<1)
	Undetermined	192	(6)	30	(5)	21	(4)	15	(7)	258	(5)
Total Cases (row %)		3,481	(73)	591	(12)	478	(10)	229	(5)	4,779	(100)
Estimated 2014 Population*		988,586	(70%)	193,885	(14%)	163,338	(12%)	70,540	(5%)	1,416,349	(100%)

Due to rounding, the columns percent of total for each category or the total might not total 100%.

**Table 4. Hawai'i Diagnosis of HIV Infection, Five-Years (2011-2015),
Reported Through December 31, 2016¹**

Demographics and Risk		2011		2012		2013		2014		2015		5 YEARS	
		No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
STAGE	AIDS	49	(60.5)	44	(51.2)	54	(54.5)	42	(42.9)	37	(29.8)	226	(46.3)
	HIV (not AIDS)	32	(39.5)	42	(48.8)	45	(45.5)	56	(57.1)	87	(70.2)	262	(53.7)
SEX	Male	69	(85.2)	75	(87.2)	92	(92.9)	87	(88.8)	115	(92.7)	438	(89.8)
	Female	12	(14.8)	11	(12.8)	7	(7.1)	11	(11.2)	9	(7.3)	50	(10.2)
AGE ²	<25	5	(6.2)	8	(9.3)	11	(11.1)	12	(12.2)	15	(12.1)	51	(10.5)
	25-44	44	(54.3)	47	(54.7)	54	(54.5)	64	(65.3)	72	(58.1)	281	(57.6)
	≥45	32	(39.5)	31	(36.0)	34	(34.3)	22	(22.4)	37	(29.8)	156	(32.0)
RACE	Caucasians	30	(37.0)	30	(34.9)	29	(29.3)	34	(34.7)	44	(35.5)	167	(34.2)
	Asians	17	(21.0)	20	(23.3)	23	(23.2)	18	(18.4)	21	(16.9)	99	(20.3)
	Hawaiian/ PI	12	(14.8)	12	(14.0)	16	(16.2)	14	(14.3)	17	(13.7)	71	(14.5)
	African Americans	8	(9.9)	0	(0.0)	5	(5.1)	10	(10.2)	13	(10.5)	36	(7.4)
	Hispanics	5	(6.2)	12	(14.0)	15	(15.2)	6	(6.1)	11	(8.9)	49	(10.0)
	Other	9	(11.1)	12	(14.0)	11	(11.1)	16	(16.3)	18	(14.5)	66	(13.5)
RISK	Male to Male Sex (MSM)	46	(56.8)	58	(67.4)	66	(66.7)	58	(59.2)	83	(66.9)	311	(63.7)
	Injection Drug Use (IDU)	7	(8.6)	4	(4.7)	6	(6.1)	7	(7.1)	11	(8.9)	35	(7.2)
	MSM & IDU	4	(4.9)	5	(5.8)	4	(4.0)	8	(8.2)	3	(2.4)	24	(4.9)
	Heterosexual Contact	17	(21.0)	5	(5.8)	10	(10.1)	15	(15.3)	23	(18.5)	70	(14.3)
	Other/ Unknown	7	(8.6)	14	(16.3)	13	(13.1)	10	(10.2)	4	(3.2)	48	(9.8)
COUNTY ³	Honolulu	59	(72.8)	65	(75.6)	68	(68.7)	71	(72.4)	97	(78.2)	360	(73.8)
	Hawai'i	10	(12.3)	9	(10.5)	16	(16.2)	8	(8.2)	15	(12.1)	58	(11.9)
	Maui	9	(11.1)	10	(11.6)	11	(11.1)	13	(13.3)	6	(4.8)	49	(10.0)
	Kaua'i	3	(3.7)	2	(2.3)	4	(4.0)	6	(6.1)	6	(4.8)	21	(4.3)
Total Cases		81		86		99		98		124		488	

Due to rounding, the columns percent of total for each category or the total might not total 100%.

¹Diagnosed cases in most recent years (2013, 2014, 2015) are incomplete due to delays in reporting and to the ongoing national de-duplication project.

²Age at the time of diagnosis

³County of residence at the time of diagnosis

If you need more information, please visit the Hawai'i HIV/AIDS Surveillance Program website:
<http://health.hawaii.gov/harmreduction/hiv-aids/data-and-statistics/>
 If the information you are looking for is not on the website or you have questions regarding forms, reporting requirements, or this report ,
 please contact the Hawai'i HIV/AIDS Surveillance Program by mail: 3627 Kilauea Avenue, Suite 306, Honolulu, HI 96816, by phone: (808) 733-4079, by fax: (808) 733-9015, or by e-mail: hiv_aids.surveillance@doh.hawaii.gov.