



Updated HIV Infection in Hawai'i

Cumulative HIV Infection Cases as of December 31, 2015 (4,676 cases)

- ◆ **Sex:** 89% were male and 11% female.
- ◆ **Risk Factor:** 71% were exposed through male-to-male sexual contact (MSM), 8% through injection drug use (IDU), 7% through combined MSM and IDU risk, 8% through heterosexual contact, the 1% of cases through transfusion, perinatal, and hemophilia treatment, and 6% of cases through undetermined risk, .
- ◆ **Race/Ethnicity:** 55% were White, 15% Asian, 11% Native Hawaiian or other Pacific islander, 8% Hispanic/Latino, 5% African American, 5% Multiple races, and 1% Others.
- ◆ **Age at Diagnosis:** 0.4% were ages less than 13(pediatric), 6% ages 13-24, 29% ages 25-34, 37% ages 35-44, 20% ages 45-54, and 8% ages 55 and over,
- ◆ **County:** 73% were diagnosed in Honolulu County, 12% in Hawaii County, 10% in Maui County, and 5% in Kauai County.

Diagnosis of HIV Infection from 2010 to 2014 (468 cases)

- ◆ **Sex:** 88% were male and 12% female. The HIV infection rates by sex and year of diagnosis is shown in Figure 1.
- ◆ **Risk Factor:** 61% were exposed through MSM, 12% through heterosexual contact, 7% through IDU, 5% through combined MSM and IDU risk, and 15% through undetermined risk, .
- ◆ **Race/Ethnicity:** 34% were White, 23% Asian, 15% Hawaiian or other Pacific Islander, 9% Hispanic/Latino, 7% African American, and 12% Others (which include those who identify as multiple races, American Indian/Alaska Native, and unknown race).
- ◆ **Age at Diagnosis:** 12% were ages 13-24, 51% ages 25-44, 37% ages 45 and older.
- ◆ **County:** 74% were diagnosed in Honolulu County, 11% in Hawaii County, 12% in Maui County, and 4% in Kauai County.
- ◆ **Linkage to Medical Care after HIV Diagnosis:** Of the 468 newly diagnosed individuals, 72.6% were linked to HIV medical care (defined as ≥ 1 CD4 or viral load tests ≤ 1 months after initial diagnosis). Figure 2 shows the number and percentage of these individuals linked to HIV medical care each year. The ranges of percentages of linked to care is from 69.2% (the lowest) in 2010 to 77.8% (the highest) in 2014.

Figure 1. HIV Infection Rate/Per 100,000 Hawaii Residents by Sex and Year of Diagnosis, 2010-2014

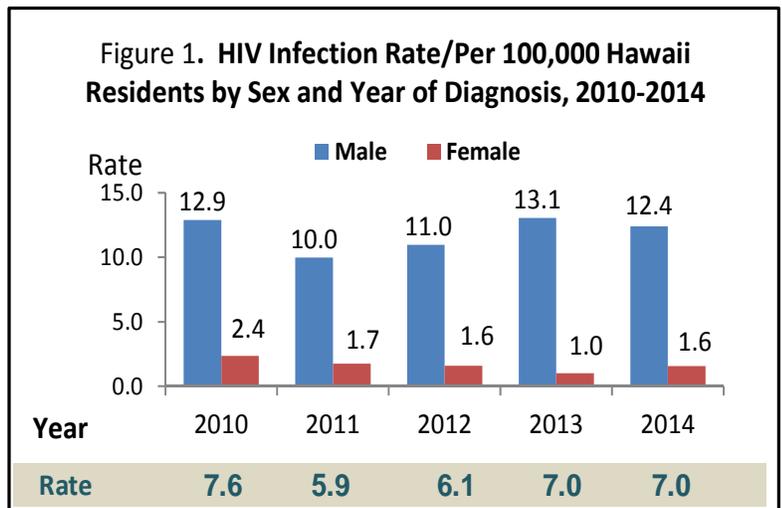
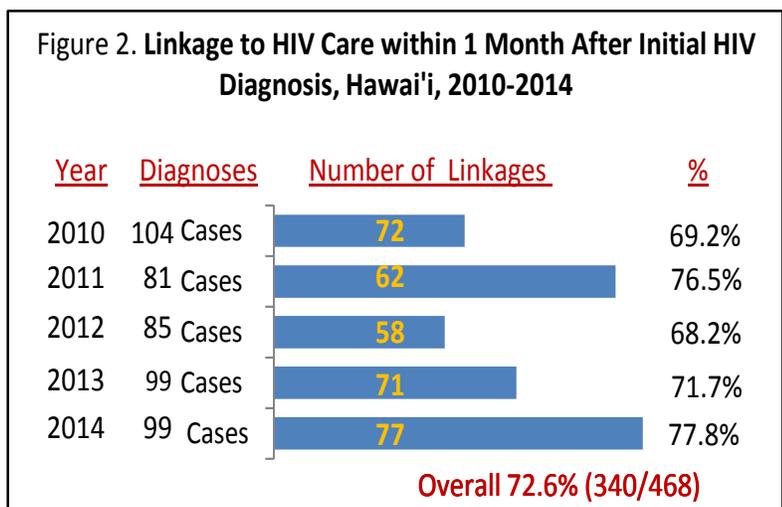


Figure 2. Linkage to HIV Care within 1 Month After Initial HIV Diagnosis, Hawai'i, 2010-2014





**Table 1. Hawai'i Reported HIV Infection Cases By Year,
Reported From 1983 Through December 2015**

	AIDS				HIV (not AIDS)				HIV Infection
	1983-2013	2014	2015	Cumulative	1983-2013	2014	2015	Cumulative	Cumulative
Cases by Year of Report ¹	3,398	49	47	3,494	1,010	67	105	1,182	4,676
Rate per 100,000 Population ²	N/A	3.5	3.3	N/A	N/A	4.7	7.3	N/A	N/A

Demographics/Risk	No.	(%)								
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SEX	Male	3,094	(91)	45	(92)	43	(91)	3,182	(91)	848	(84)	57	(85)	97	(92)	1,002	(85)	4,184	(89)
	Female	304	(9)	4	(8)	4	(9)	312	(9)	162	(16)	10	(15)	8	(8)	180	(15)	492	(11)

AGE ³ (yr)	<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)	0	(0)	1	(1)	5	(<1)	5	(<1)
	15-24	110	(3)	1	(2)	2	(4)	113	(3)	123	(12)	10	(15)	14	(13)	147	(12)	260	(6)
	25-34	937	(28)	16	(33)	8	(17)	961	(28)	325	(32)	26	(39)	48	(46)	399	(34)	1,360	(29)
	35-44	1,371	(40)	15	(31)	9	(19)	1395	(40)	278	(28)	20	(30)	22	(21)	320	(27)	1,715	(37)
	45-54	694	(20)	8	(16)	16	(34)	718	(21)	197	(20)	6	(9)	13	(12)	216	(18)	934	(20)
	55-64	218	(6)	6	(12)	9	(19)	233	(7)	59	(6)	3	(4)	5	(5)	67	(6)	300	(6)
>65	50	(1)	3	(6)	3	(6)	56	(2)	21	(2)	2	(3)	2	(2)	25	(2)	81	(2)	

RACE	Non-Hispanics																		
	White	1,923	(57)	16	(33)	18	(38)	1,957	(56)	563	(56)	26	(39)	41	(39)	630	(53)	2,587	(55)
	Asian	515	(15)	9	(18)	10	(21)	534	(15)	161	(16)	11	(16)	14	(13)	186	(16)	720	(15)
	Hawaiians/PI	414	(12)	9	(18)	6	(13)	429	(12)	77	(8)	7	(10)	14	(13)	98	(8)	527	(11)
	African American	163	(5)	4	(8)	4	(9)	171	(5)	44	(4)	7	(10)	12	(11)	63	(5)	234	(5)
	American Indian/Alaskan	9	(<1)	0	(0)	0	(0)	9	(0)	5	(0)	0	(0)	1	(1)	6	(1)	15	(0)
	Multiple Race	125	(4)	6	(12)	3	(6)	134	(4)	71	(7)	8	(12)	17	(16)	96	(8)	230	(5)
	Legacy API ⁴	8	(<1)	0	(0)	0	(0)	8	(<1)	0	(0)	0	(0)	0	(0)	0	(0)	8	(<1)
Hispanic/Latino	241	(7)	5	(10)	6	(13)	252	(7)	89	(9)	8	(12)	6	(6)	103	(9)	355	(8)	

RISK	Male to Male Sex (MSM)	2,455	(72)	28	(57)	22	(47)	2,505	(72)	680	(67)	41	(61)	77	(73)	798	(68)	3,303	(71)
	Injection Drug Use (IDU)	276	(8)	4	(8)	7	(15)	287	(8)	58	(6)	5	(7)	6	(6)	69	(6)	356	(8)
	Combined MSM & IDU	257	(8)	1	(2)	2	(4)	260	(7)	40	(4)	5	(7)	4	(4)	49	(4)	309	(7)
	Heterosexual Contact	230	(7)	6	(12)	11	(23)	247	(7)	104	(10)	9	(13)	12	(11)	125	(11)	372	(8)
	Transfusion	22	(1)	0	(0)	0	(0)	22	(1)	1	(<1)	0	(0)	0	(0)	1	(<1)	23	(<1)
	Hemophilia	20	(1)	0	(0)	0	(0)	20	(1)	1	(<1)	0	(0)	0	(0)	1	(<1)	21	(<1)
	Perinatal	15	(<1)	0	(0)	0	(0)	15	(<1)	0	(0)	0	(0)	0	(0)	0	(0)	15	(<1)
	Undetermined	123	(4)	10	(20)	5	(11)	138	(4)	126	(12)	7	(10)	6	(6)	139	(12)	277	(6)

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

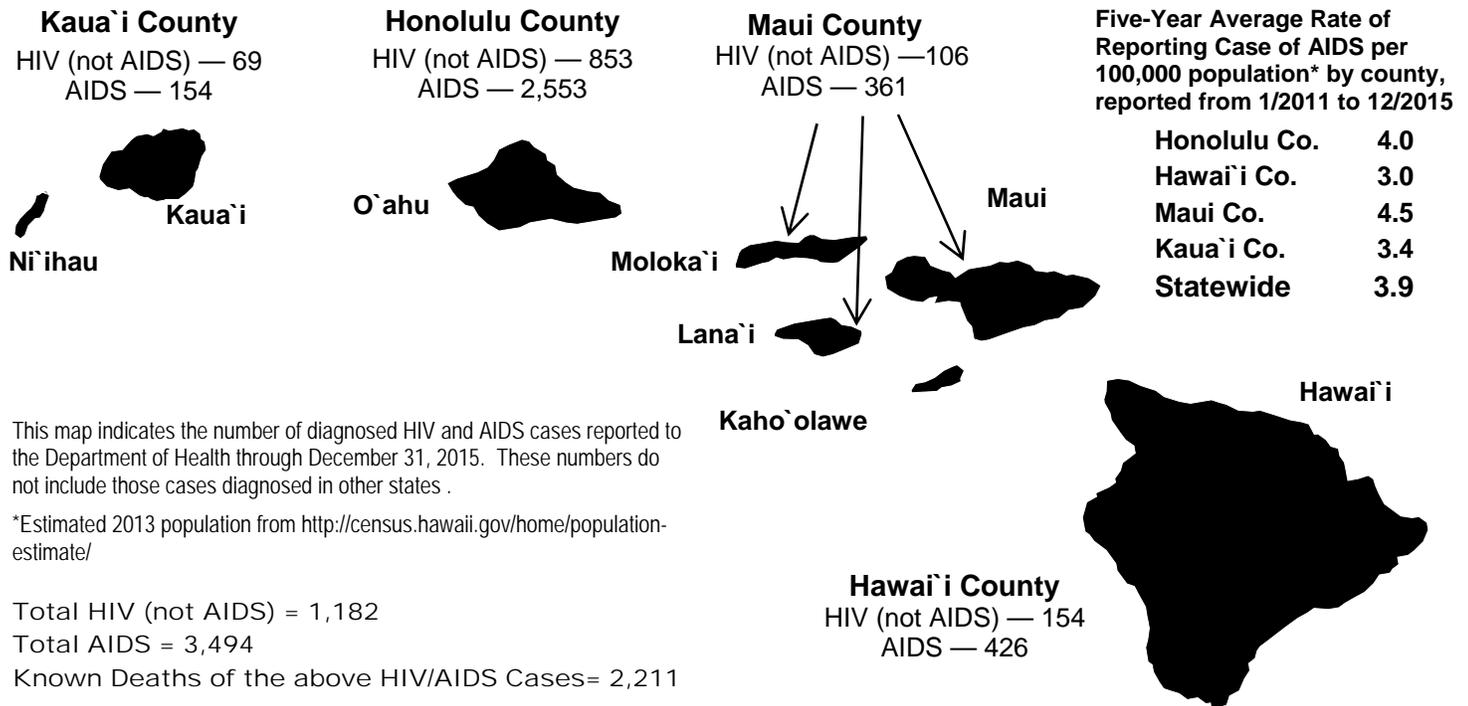
² Each year's estimated population is from the State of Hawai'i's latest population estimate data: <http://census.hawaii.gov/home/population-estimate/>

³ Age at the time of diagnosis

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

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

Fig. 1. Reported HIV Infection Cases by County, Reported Through December 31, 2015



This map indicates the number of diagnosed HIV and AIDS cases reported to the Department of Health through December 31, 2015. These numbers do not include those cases diagnosed in other states.

*Estimated 2013 population from <http://census.hawaii.gov/home/population-estimate/>

Table 2. Reported Cases of HIV Infection by County, 2015

Reported Cases	Honolulu Co.		Hawai'i Co.		Maui Co.		Kauai Co.		Statewide	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
HIV (not AIDS)	79		10		9		7		105	
AIDS	35		8		3		1		47	
Total Cases (row %)	114	(75)	18	(12)	12	(8)	8	(5)	153	(100)

Table 3. Cumulative Reported Cases of HIV Infection by County, from 1983 through 2015

Sex and Risk		Honolulu Co.		Hawai'i Co.		Maui Co.		Kauai Co.		Statewide	
		No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
SEX	Male	3,062	(90)	507	(87)	425	(91)	190	(85)	4,184	(89)
	Female	344	(10)	73	(13)	42	(9)	33	(15)	492	(11)
RISK	Male to Male Sex	2,410	(71)	392	(68)	352	(75)	149	(67)	3,303	(71)
	Injection Drug Use	251	(7)	59	(10)	24	(5)	22	(10)	356	(8)
	Combined MSM and IDU	226	(7)	36	(6)	34	(7)	13	(6)	309	(7)
	Heterosexual Contact	267	(8)	55	(9)	28	(6)	22	(10)	372	(8)
	Transfusion	17	(<1)	2	(<1)	2	(<1)	2	(1)	23	(<1)
	Hemophilia	16	(<1)	3	(1)	2	(<1)	0	(0)	21	(<1)
	Perinatal	13	(<1)	2	(<1)	0	(0)	0	(0)	15	(<1)
	Undetermined	206	(6)	31	(5)	25	(5)	15	(7)	277	(6)
Total Cases (row %)		3,406	(73%)	580	(12%)	467	(10%)	223	(5%)	4,676	(100%)
Estimated 2013 Population*		987,019	(70%)	191,409	(14%)	160,880	(11%)	69,679	(5%)	1,40,987	(100%)

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

Table 4. Hawai'i HIV Infection by Year of Diagnosis, 2010-2014,
Reported Through December 31, 2015¹

Selected Characteristics		2010		2011		2012		2013		2014		5 YEARS	
		No.	(%)	No.	(%)								
STAGE	AIDS	48	(46)	35	(43)	35	(41)	42	(42)	34	(34)	194	(41)
	HIV (not AIDS)	56	(54)	46	(57)	50	(59)	57	(58)	65	(66)	274	(59)
SEX	Male	88	(85)	69	(85)	74	(87)	92	(93)	88	(89)	411	(88)
	Female	16	(15)	12	(15)	11	(13)	7	(7)	11	(11)	57	(12)
AGE ² (yr)	<25	17	(16)	5	(6)	8	(9)	11	(11)	12	(12)	53	(11)
	25-44	47	(45)	44	(54)	46	(54)	54	(55)	65	(66)	256	(55)
	≥45	40	(38)	32	(40)	31	(36)	34	(34)	22	(22)	159	(34)
RACE	White	38	(37)	30	(37)	29	(34)	29	(29)	35	(35)	161	(34)
	Asian	28	(27)	17	(21)	20	(24)	24	(24)	19	(19)	108	(23)
	Hawaiian/ PI	17	(16)	12	(15)	12	(14)	16	(16)	14	(14)	71	(15)
	African American	8	(8)	8	(10)	0	(0)	5	(5)	11	(11)	32	(7)
	Hispanic	3	(3)	5	(6)	12	(14)	14	(14)	6	(6)	40	(9)
	Other	10	(10)	9	(11)	12	(14)	11	(11)	14	(14)	56	(12)
RISK	Male to Male Sex	64	(62)	46	(57)	56	(66)	64	(65)	56	(57)	286	(61)
	Injection Drug Use	9	(9)	7	(9)	4	(5)	5	(5)	7	(7)	32	(7)
	Combined MSM and IDU	1	(1)	4	(5)	5	(6)	4	(4)	8	(8)	22	(5)
	Heterosexual Contact	10	(10)	17	(21)	5	(6)	10	(10)	14	(14)	56	(12)
	Other/ Unknown	20	(19)	7	(9)	15	(18)	16	(16)	14	(14)	72	(15)
COUNTY ³	Honolulu	81	(78)	59	(73)	64	(75)	68	(69)	72	(73)	344	(74)
	Maui	11	(11)	9	(11)	10	(12)	11	(11)	13	(13)	54	(12)
	Hawai'i	8	(8)	10	(12)	9	(11)	16	(16)	8	(8)	51	(11)
	Kaua'i	4	(4)	3	(4)	2	(2)	4	(4)	6	(6)	19	(4)
Total Cases		104		81		85		99		99		468	

¹Diagnosed cases in most recent years (2012, 2013, 2014) are incomplete due to delays in reporting.

²Age at the time of diagnosis

³County of residence at the time of diagnosis

-- Due to rounding, the column percent total for each category might not total 100%.

If you need more information, please visit the Hawai'i HIV/AIDS Surveillance Program website:

http://healthuser.hawaii.gov/health/healthy-lifestyles/std-aids/aboutus/prg-aids/aids_rep/index.html

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.