



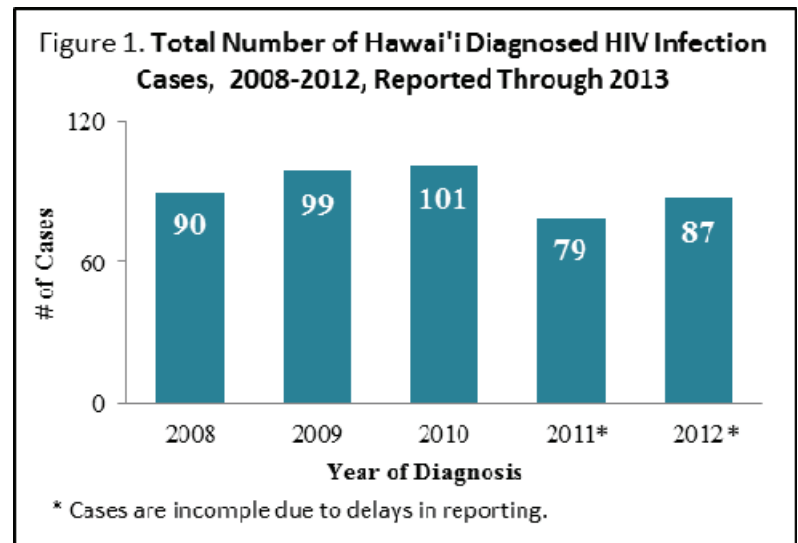
Updated HIV Infection in Hawai'i

Cumulative HIV Infection Cases as of December 31, 2013 (4,454 cases)

- ◆ **Gender:** 89% were men and 11% women.
- ◆ **Risk Factor:** 71% were exposed through male-to-male sexual contact (MSM), 8% through injection drug use (IDU), 7% through both MSM/IDU, 7% through heterosexual contact, 6% of cases were of undetermined risk, 1% through transfusion, <1% through perinatal, and <1% through hemophilia.
- ◆ **Race/Ethnicity:** 57% were Caucasians, 15% Asians, 11% Hawaiians, 7% Hispanics, 5% African-Americans, 4% multiple races, and 2% other races.
- ◆ **Age at Diagnosis:** 66% were ages 25-44, 28% ages 45 and over, 5.5% ages 13-24, and 0.5% pediatric.
- ◆ **County:** 73% were diagnosed in Honolulu County, 13% in Hawai'i County, 10% in Maui County, and 5% in Kaua'i County.

Diagnosed HIV Infection Cases for 5 years - Between 2008 and 2012 (456 cases)

- ◆ **Gender:** 85% were men and 15% women.
- ◆ **Risk Factor:** 62% were exposed through MSM, 19% were of undetermined risk, 10% through heterosexual contact, 6% through IDU, and 3% through MSM/IDU.
- ◆ **Race/Ethnicity:** 38% were Caucasians, 22% Asians, 14% Hawaiian/Pacific Islanders, 11% Others (which include those who identify as multiple races, American Indian/Alaska Native, and unknown race), 10% Filipino, 8% African-Americans, 7% Hispanics, and 3% Japanese.
- ◆ **Age at Diagnosis:** 51% were ages 25-44, 37% ages 45 and older, and 12% ages 13-24.
- ◆ **County:** 77% were diagnosed in Honolulu County, 10% in Hawai'i County, 10% in Maui County, and 3% in Kaua'i County.



The Continuum of HIV Care among Persons Living with Diagnosed HIV Infection

- ◆ **Percentage of newly HIV diagnosed persons linked with HIV care within three months after initial diagnosis:** 88.3% in 2010, 77.2% in 2009 and 70.9% in 2008.

There were an estimated 2,208 persons* >12 years old diagnosed with HIV before January 1, 2011 and alive through January 1, 2012 (PLWH) who had HIV lab tests during 2011. Of these,

- ◆ **Retained in HIV care:** 44.2%, 975 persons (defined as ≥ 2 CD4 or viral load tests at least 3 months apart).
- ◆ **Viral suppression:** 52.1%, 1,150 persons (defined as viral load ≤ 200 copies/mL at the most recent test).
- ◆ **Received any care:** 64.3%, 1,419 persons (defined as ≥ 1 CD4 or viral load tests in that year).

*Regardless of where they were initially diagnosed.



Table 1. Hawai'i Reported HIV Infection Cases By Year,
Reported Through December 31, 2013

Year of Report	AIDS				HIV (not AIDS)				HIV Infection
	1983-2011	2012	2013	Cumulative	1983-2011	2012	2013	Cumulative	Cumulative
Cases by Year of Report ¹	3,292	35 ²	65 ²	3,392	895	59 ²	108 ²	1,062	4,454
Rate per 100,000 Population ³	N/A	2.5	4.6	N/A	N/A	4.1	7.1	N/A	N/A

Demographics/Risk	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
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SEX	Male	2,997 (91)	29 (83)	60 (92)	3,086 (91)	741 (83)	50 (88)	94 (95)	885 (84)	3,971 (89)
	Female	295 (9)	6 (17)	5 (8)	306 (9)	151 (17)	7 (12)	5 (5)	163 (16)	469 (11)

AGE ⁴	<13	17 (1)	0 (0)	0 (0)	17 (1)	2 (<1)	1 (2)	0 (0)	3 (<1)	20 (<1)
	13-14	0 (0)	0 (0)	0 (0)	0 (0)	4 (<1)	0 (0)	0 (0)	4 (<1)	4 (<1)
	15-24	102 (3)	3 (9)	5 (8)	110 (3)	111 (12)	5 (9)	15 (15)	131 (13)	241 (5)
	25-34	924 (28)	7 (20)	8 (12)	939 (28)	279 (31)	21 (37)	32 (32)	332 (32)	1,271 (29)
	35-44	1,344 (41)	11 (31)	15 (23)	1,370 (40)	255 (29)	15 (26)	24 (24)	294 (28)	1,664 (37)
	45-54	656 (20)	6 (17)	27 (42)	689 (20)	170 (19)	10 (18)	21 (21)	201 (19)	890 (20)
	55-64	202 (6)	8 (23)	8 (12)	218 (6)	52 (6)	5 (9)	5 (5)	62 (6)	280 (6)
	>65	47 (1)	0 (0)	2 (3)	49 (1)	19 (2)	0 (0)	2 (2)	21 (2)	70 (2)

RACE	Non-Hispanics									
	Caucasians	1,893 (58)	12 (34)	20 (31)	1,925 (57)	513 (58)	32 (56)	44 (44)	589 (56)	2,514 (57)
	Asians	488 (15)	8 (23)	18 (28)	514 (15)	138 (15)	6 (11)	20 (20)	164 (16)	678 (15)
	Hawaiians/PI	392 (12)	9 (26)	15 (23)	416 (12)	68 (8)	4 (7)	12 (12)	84 (8)	500 (11)
	African Americans	159 (5)	4 (11)	0 (0)	163 (5)	40 (4)	3 (5)	4 (4)	47 (4)	210 (5)
	American Indians/Alaskans	9 (<1)	0 (0)	0 (0)	9 (<1)	4 (<1)	0 (0)	1 (1)	5 (<1)	14 (<1)
	Multiple Race	114 (3)	1 (3)	3 (5)	118 (3)	53 (6)	7 (12)	9 (9)	69 (7)	187 (4)
	Legacy API ⁵	8 (<1)	0 (0)	0 (0)	8 (<1)	0 (0)	0 (0)	0 (0)	0 (0)	8 (<1)
Hispanics										
	229 (7)	1 (3)	9 (14)	239 (7)	76 (9)	5 (9)	9 (9)	90 (9)	329 (7)	

RISK	Male to Male Sex (MSM)	2,383 (72)	22 (63)	33 (51)	2,438 (72)	602 (67)	38 (67)	62 (62)	702 (67)	3,140 (71)
	Injection Drug Use (IDU)	269 (8)	3 (9)	2 (3)	274 (8)	58 (7)	0 (0)	2 (2)	60 (6)	334 (8)
	MSM & IDU	253 (8)	1 (3)	0 (0)	254 (7)	35 (4)	3 (5)	3 (3)	41 (4)	295 (7)
	Heterosexual	223 (7)	3 (9)	0 (0)	226 (7)	91 (10)	3 (5)	3 (3)	97 (9)	323 (7)
	Transfusion	22 (1)	0 (0)	0 (0)	22 (1)	1 (<1)	0 (0)	0 (0)	1 (<1)	23 (1)
	Perinatal	14 (<1)	0 (0)	0 (0)	14 (<1)	0 (0)	0 (0)	0 (0)	0 (0)	14 (<1)
	Hemophiliac	20 (1)	0 (0)	0 (0)	20 (1)	2 (<1)	0 (0)	0 (0)	2 (<1)	20 (<1)
	Undetermined	108 (3)	6 (17)	30 (46)	144 (4)	104 (12)	13 (22)	34 (31)	151 (14)	291 (7)

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

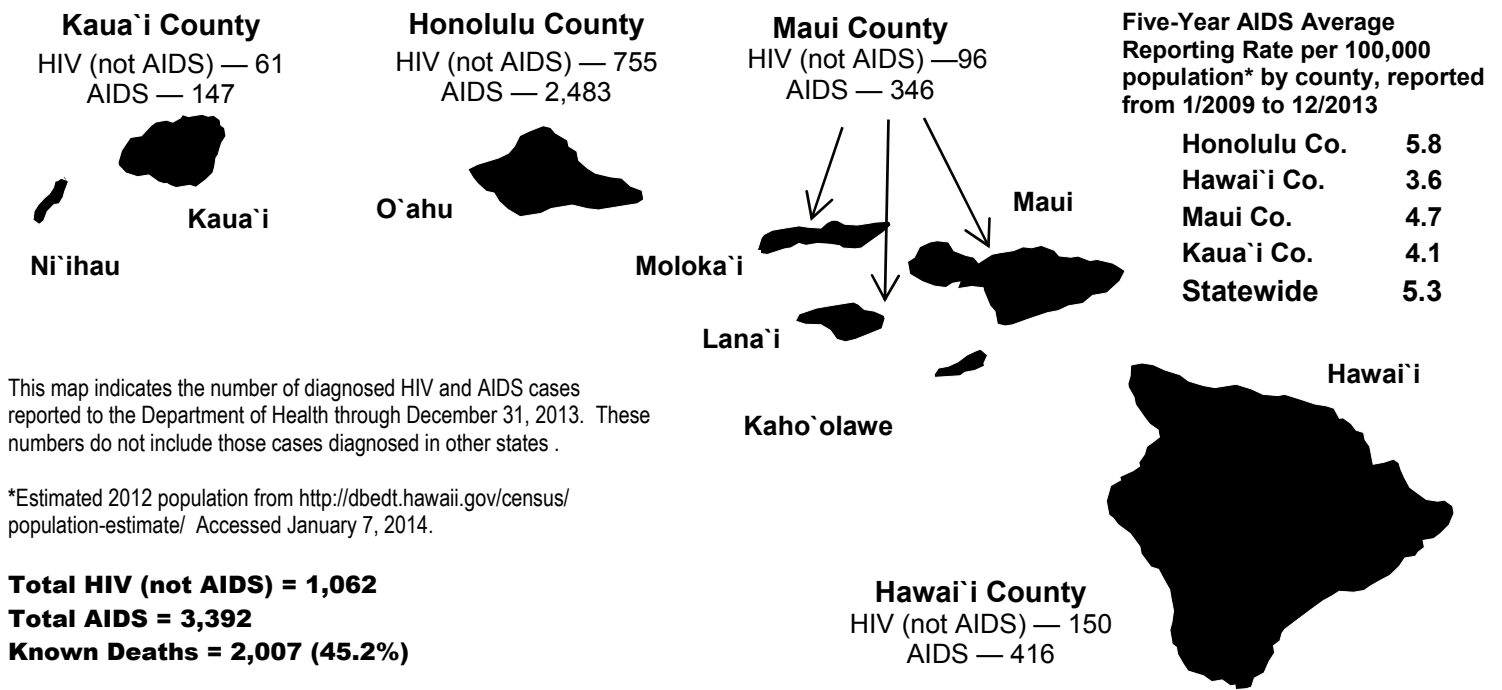
² The increase in reported cases in 2013 can be attributed to greater staff capacity to collect previously diagnosed but unreported cases.

³ Each year's estimated population is from the State of Hawai'i's latest population estimate data: <http://hawaii.gov/dbedt/info/census/population-estimate>

⁴ Age at the time of diagnosis

⁵ Legacy API includes cases that cannot be classified as either specifically Asian or Pacific Islander

Figure 2. **Reported HIV Infection Cases by County, Reported Through December 31, 2013**



This map indicates the number of diagnosed HIV and AIDS cases reported to the Department of Health through December 31, 2013. These numbers do not include those cases diagnosed in other states.

*Estimated 2012 population from <http://dbedt.hawaii.gov/census/population-estimate/> Accessed January 7, 2014.

Table 2. **2013 Reported HIV Infection Cases by County**

Cases and Population	Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co.		Statewide	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
2013 Reported HIV Infection	119	(69)	26	(14)	27	(16)	1	(<1)	173	(100)
HIV (not AIDS)	73		16		18		1		108	
AIDS	46		10		9		0		65	

Table 3. **Cumulative HIV Infection, Reported by County, Cases to 2013**

Sex and Risk		Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co.		Statewide	
		No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
SEX	Male	2913	(90)	494	(87)	403	(91)	174	(84)	3984	(89)
	Female	325	(10)	72	(13)	39	(9)	34	(16)	470	(11)
RISK	Male to Male Sex	2305	(71)	378	(67)	328	(74)	135	(65)	3146	(71)
	Injection Drug Use	234	(7)	57	(10)	23	(5)	21	(10)	335	(8)
	Male/Male Sex & IDU	213	(7)	37	(7)	33	(7)	12	(6)	295	(7)
	Heterosexual Contact	228	(7)	49	(9)	24	(5)	23	(11)	324	(7)
	Transfusion	17	(1)	2	(<1)	2	(<1)	2	(1)	23	(1)
	Perinatal	13	(<1)	2	(<1)	0	(0)	0	(0)	15	(<1)
	Hemophilic	16	(<1)	4	(1)	2	(<1)	0	(0)	22	(<1)
	Undetermined	212	(7)	37	(7)	30	(7)	15	(7)	294	(7)
Total Cases (row %)		3,238 (73%)		566 (13%)		442 (10%)		208 (5%)		4,454 (100%)	
Estimated 2012 Population*		976,372 (70%)		189,191 (14%)		158,226 (11%)		68,434(5%)		1,392,313 (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.

**Table 4. Hawai`i Diagnosis of HIV Infection, Five-Years (2008-2012),
Reported Through December 31, 2013¹**

Years		2008		2009		2010		2011		2012		5 YEARS	
		No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
STAGE	HIV (not AIDS)	58	(64.4)	65	(65.7)	58	(57.4)	49	(62.0)	55	(63.2)	285	(62.5)
	AIDS	32	(35.6)	34	(34.3)	43	(42.6)	30	(38.0)	32	(36.8)	171	(37.5)
SEX	Male	78	(86.7)	81	(81.8)	86	(85.1)	68	(86.1)	76	(87.4)	389	(85.3)
	Female	12	(13.3)	18	(18.2)	15	(14.9)	11	(13.9)	11	(12.6)	67	(14.7)
AGE ²	<25	10	(11.1)	13	(13.1)	17	(16.8)	5	(6.3)	8	(9.2)	53	(11.6)
	25-44	47	(52.2)	51	(51.5)	47	(46.5)	43	(54.4)	47	(54.0)	235	(51.5)
	≥45	33	(36.7)	35	(35.4)	37	(36.6)	31	(39.2)	32	(36.8)	168	(36.8)
RACE	Caucasian	32	(35.6)	43	(43.4)	36	(35.6)	31	(39.2)	31	(35.6)	173	(37.9)
	African American	8	(8.9)	13	(13.1)	8	(7.9)	8	(10.1)	0	0.0	37	(8.1)
	Asian	21	(23.3)	19	(19.2)	27	(26.7)	16	(20.3)	19	(21.8)	102	(22.4)
	Hawaiian/ PI	8	(8.9)	11	(11.1)	16	(15.8)	11	(13.9)	14	(16.1)	62	(13.6)
	Hispanic	10	(11.1)	7	(7.1)	4	(4.0)	3	(3.8)	8	(9.2)	32	(7.0)
	Other	9	(10.0)	6	(6.1)	10	(9.9)	10	(12.7)	15	(17.2)	50	(11.0)
RISK	Male to Male Sex	60	(66.7)	66	(66.7)	58	(57.4)	46	(58.2)	52	(59.8)	282	(61.8)
	Injection Drug Use	2	(2.2)	5	(5.1)	10	(9.9)	6	(7.6)	3	(3.4)	26	(5.7)
	Male/Male Sex & IDU	5	(5.6)	1	(1.0)	1	(1.0)	5	(6.3)	4	(4.6)	16	(3.5)
	Heterosexual Contact	9	(10.0)	12	(12.1)	9	(8.9)	11	(13.9)	3	(3.4)	44	(9.6)
	Other/ Unknown	14	(15.6)	15	(15.2)	23	(22.8)	11	(13.9)	25	(28.7)	88	(19.3)
COUNTY ³	Honolulu	68	(75.6)	83	(83.8)	79	(78.2)	57	(72.2)	64	(73.6)	351	(77.0)
	Hawai`i	8	(8.9)	10	(10.1)	8	(7.9)	11	(13.9)	11	(12.6)	48	(10.5)
	Maui	10	(11.1)	6	(6.1)	11	(10.9)	8	(10.1)	10	(11.5)	45	(9.9)
	Kaua`i	4	(4.4)	0	(0.0)	3	(3.0)	3	(3.8)	2	(2.3)	12	(2.6)
Total Cases		90		99		101		79		87		456	

¹ Diagnosed cases in most recent years (2011, 2012) are incomplete due to delays in reporting.

² Age at the time of diagnosis

³ County of residence at the time of diagnosis

Table 5. Hawai`i Diagnosis of HIV Infection by Race/ Ethnicity

Race/ Ethnicity	Caucasian	African American	Hispanic	Hawaiian/ Pt. Haw.	Other PI	Japanese	Filipino	Other Asian	American Indian	Mult.Race/ Unknown	Total ⁴
	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
2008-2012	173 (37.9)	37 (8.1)	32 (7.0)	52 (11.4)	10 (2.2)	13 (2.9)	46 (10.1)	43 (9.4)	0 (0.0)	50 (11.0)	456 (100)
1983-2013	2,514 (56.4)	210 (4.7)	329 (7.4)	422 (9.5)	79 (1.8)	211 (4.7)	251 (5.6)	223 (5.0)	14 (0.3)	201 (4.5)	4,454 (100)

⁴ Include 4 legacy Asian/Pacific Islander cases in the cumulative total.