

# HIV/AIDS Surveillance Semi-Annual Report

Hawaii Department of Health

Cases to June 30, 2007

**AIDS Reporting:** As of June 30, 2007, 2,975 AIDS cases were reported to the Hawaii HIV/AIDS Surveillance Program, Department of Health. AIDS reporting required since 1983. A total of 89 cases were reported during the past one-year period (July 1, 2006 to June 30, 2007). Of these, 80 (90%) cases were male and 9 (10%) cases were female. These cases were reported from Honolulu County (69, 78%), Maui County (10, 11%), Hawaii County (8, 9%), and Kauai County (2, 2%). This semi-annual report contains AIDS demographic data for reported cases by year (page 2), by county (page 3), and by race/ethnicity (page 4).

**HIV Reporting:** Hawaii is in the process of changing Administrative Rules to require name-based HIV reporting. CDC recommends implementation of HIV name-based reporting across the nation.

## Hawaii AIDS incidence declining

Highly active antiretroviral therapy [HAART] became available in 1996 for HIV/AIDS care. Since then, people with HIV are living longer without developing AIDS. Figure 1 shows the numbers of Hawaii AIDS diagnoses decreased from 106 in 2001 to 68 in 2005. The diagnosis data for 2006 are yet to be complete. Due to reporting delays, the number of AIDS diagnosis does not match the number of reports each year. The figure shows the number of reported cases (white bar) is higher in each year than those diagnosed cases (black bar).

Table 1 illustrates Hawaii AIDS diagnosis by gender, risk, age, and county. As of 2006, there were 2,931 AIDS cases diagnosed in Hawaii. Males account for most of the cases (2,699, 92.1%). The proportion of male cases decreased to 88.5% in 2005-2006 period compared to 92.7% in before-2001 period.

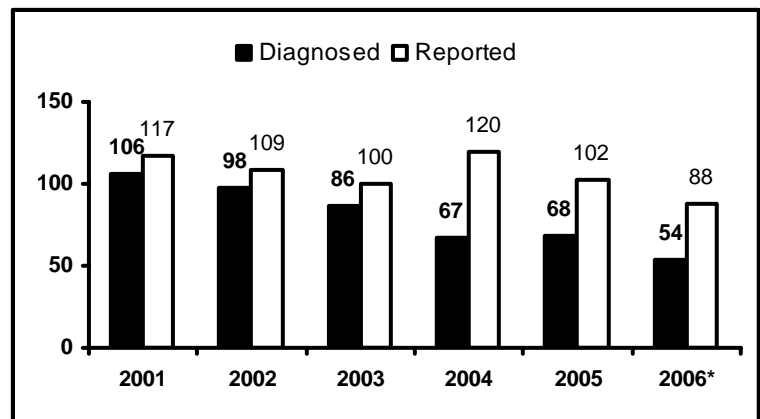
Men having sex with men (MSM) continues to be the primary risk factor for all four time periods and proportion of cases decreased to 68.9% in recent period (2005-2006) from 75.3% in before-2001 period.

Seventy-three percent (2,132/2,931) of Hawaii AIDS cases were diagnosed between 30 to 49 years of age. There were no pediatric AIDS cases diagnosed in the two recent time periods (2003 - 2006).

Most AIDS cases were diagnosed in Honolulu County (72.6%) followed by Hawaii (12.9%), Maui (10.2%), and Kauai (4.3%) County. Overall, AIDS diagnoses are decreasing in recent years.

An Epidemiologic Profile of HIV/AIDS in Hawaii, published in 2005, that provides detailed analysis of AIDS diagnosis, AIDS trends, and other data related to HIV/AIDS is available at the website: [http://www.hawaii.gov/health/healthy-lifestyles/std-aids/aboutus/prg-aids/aids\\_rep/1h2005-1.pdf](http://www.hawaii.gov/health/healthy-lifestyles/std-aids/aboutus/prg-aids/aids_rep/1h2005-1.pdf). The updated version of this document is expected to be released in August 2007.

Figure 1. Hawaii AIDS Diagnosed and Reported Cases, 2001 - 2006



\*The number of AIDS diagnosis for 2006 is not complete

Table 1. Demographics of Hawaii AIDS Diagnosis, 1982 - 2006

Characteristics		Before 2001	2001-02	2003-04	2005-06	1982-2006
		N = 2,452 (%)	N = 204 (%)	N = 153 (%)	N = 122 (%)	N = 2,931 (%)
Sex	Male	2,273 92.7	182 89.2	136 88.9	108 88.5	2,699 92.1
	Female	179 7.3	22 10.8	17 11.1	14 11.5	232 7.9
Risk	MSM	1,846 75.3	131 64.2	86 56.2	84 68.9	2,147 73.3
	IDU	178 7.3	19 9.3	9 5.9	10 8.2	216 7.4
	MSM/IDU	180 7.3	10 4.9	14 9.2	3 2.5	207 7.1
	Heterosexual	131 5.3	16 7.8	14 9.2	4 3.3	165 5.6
	Other/Unknown	117 4.8	28 13.7	30 19.6	21 17.2	196 6.7
Age	<13	14 0.6	1 0.5	0 0.0	0 0.0	15 0.5
	13-19	10 0.4	0 0.0	1 0.7	3 2.5	14 0.5
	20-29	323 13.2	15 7.4	9 5.9	9 7.4	356 12.1
	30-39	1,072 43.7	64 31.4	52 34.0	33 27.0	1,221 41.7
	40-49	738 30.1	76 37.3	55 35.9	42 34.4	911 31.1
	>49	295 12.0	48 23.5	36 23.5	35 28.7	414 14.1
County	Honolulu	1,786 72.8	137 67.2	118 77.1	87 71.3	2,128 72.6
	Hawaii	321 13.1	28 13.7	10 6.5	19 15.6	378 12.9
	Maui	239 9.7	30 14.7	16 10.5	14 11.5	299 10.2
	Kauai	106 4.3	9 4.4	9 5.9	2 1.6	126 4.3

Please forward any questions and comments to the HIV/AIDS Surveillance Program, 3627 Kilauea Avenue, Suite 306, Honolulu, HI 96816, Phone: (808) 733-9010, Fax: (808) 733-9015, E-mail: [pritty.borthakur@doh.hawaii.gov](mailto:pritti.borthakur@doh.hawaii.gov). This is available at the website: [http://www.hawaii.gov/health/healthy-lifestyles/std-aids/aboutus/prg-aids/aids\\_rep/index.html](http://www.hawaii.gov/health/healthy-lifestyles/std-aids/aboutus/prg-aids/aids_rep/index.html)

# Hawaii AIDS Cases by Year, Reported through June 30, 2007

(The number of Hawaii reported AIDS cases changed for each year due to the CDC initiated interstate duplication project)

Year of Report	1983-2001	2002	2003	2004	2005	2006	2007	TOTAL
Cases by Year of Report	2,401	109	100	120	103	88	54	2,975
Rate per 100,000 Population <sup>1</sup>	N/A	8.8	8.0	9.5	8.0	6.8	N/A	N/A

Demographics/Risk	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
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<b>S E X</b>	Male	2,230	(93)	98	(90)	84	(84)	108	(90)	91	(88)	78	(89)	48	(89)	2,737	(92)
	Female	171	(7)	11	(10)	16	(16)	12	(10)	12	(12)	10	(11)	6	(11)	238	(8)

<b>A G E</b>	<13	16	(1)	0	(0)	1	(1)	0	(0)	0	(0)	0	(0)	0	(0)	17	(<1)
	13-19	8	(<1)	0	(0)	1	(1)	0	(0)	1	(1)	2	(2)	1	(2)	13	(<1)
	20-29	309	(13)	13	(12)	9	(9)	13	(11)	7	(7)	2	(2)	4	(7)	357	(12)
	30-39	1,039	(43)	41	(38)	39	(39)	45	(38)	29	(28)	27	(31)	14	(26)	1,234	(42)
	40-49	732	(30)	38	(35)	30	(30)	36	(30)	40	(39)	32	(36)	18	(33)	926	(31)
	>49	297	(12)	17	(16)	20	(20)	26	(22)	26	(25)	25	(28)	17	(31)	428	(14)

<b>N E W R A C E</b>	Non-Hispanic																
	Caucasians	1,485	(62)	57	(52)	42	(42)	59	(49)	62	(60)	43	(49)	31	(57)	1,779	(60)
	*Legacy Asians/Hawaiians/PI	12	(<1)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	12	(<1)
	*Asians	319	(13)	17	(16)	22	(22)	22	(18)	12	(12)	20	(23)	10	(19)	422	(14)
	*Hawaiians/PI	305	(13)	21	(19)	16	(16)	11	(9)	12	(12)	7	(8)	2	(4)	374	(13)
	African-Americans	102	(4)	6	(6)	8	(8)	8	(7)	3	(3)	4	(5)	3	(6)	134	(5)
	American Indians/Alaskans	8	(<1)	0	(0)	0	(0)	2	(2)	1	(1)	0	(0)	0	(0)	11	(<1)
	Multiple Race	42	(2)	1	(1)	6	(6)	3	(3)	5	(5)	4	(5)	2	(4)	63	(2)
	Other	0	(0)	0	(0)	0	(0)	1	(1)	1	(1)	0	(0)	0	(0)	2	(<1)
Hispanics	128	(5)	7	(6)	6	(6)	14	(12)	7	(7)	10	(11)	6	(11)	178	(6)	

\*From January 2003, the CDC's guidelines for new race/ethnicity of 1997 OMB standard has been implemented in Hawaii. The original Asian Pacific Islanders race group is now non-Hispanic Legacy Asians/Pacific Islanders, non-Hispanic Hawaiians/Pacific Islanders, and non-Hispanic Asians group.

<b>R I S K</b>	Male to Male Sex (MSM)	1,805	(75)	75	(69)	61	(61)	73	(61)	66	(64)	57	(65)	33	(61)	2,170	(73)
	Injection Drug Use (IDU)	174	(7)	9	(8)	4	(4)	11	(9)	6	(6)	12	(14)	9	(17)	225	(8)
	MSM & IDU	171	(7)	8	(7)	5	(5)	12	(10)	9	(9)	2	(2)	1	(2)	208	(7)
	Female Heterosexual	88	(4)	3	(3)	11	(3)	5	(4)	3	(3)	1	(1)	1	(2)	112	(4)
	Male Heterosexual	44	(2)	2	(2)	2	(2)	4	(3)	0	(0)	2	(2)	1	(2)	55	(2)
	Transfusion	24	(1)	2	(2)	3	(3)	1	(1)	0	(0)	0	(0)	0	(0)	30	(1)
	Perinatal	13	(1)	0	(0)	1	(1)	0	(0)	0	(0)	0	(0)	0	(0)	14	(<1)
	Hemophiliac	19	(1)	1	(1)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	20	(1)
	Undetermined	63	(3)	9	(8)	13	(13)	14	(12)	19	(18)	14	(16)	9	(17)	141	(5)

<sup>1</sup> Each year's estimated population from the State of Hawaii Data Book 2002, [http://www2.hawaii.gov/dbedt/index.cfm?section=READ\\_Databook445](http://www2.hawaii.gov/dbedt/index.cfm?section=READ_Databook445)

# County Report

## Cumulative AIDS Cases (1983 – July 30, 2007)

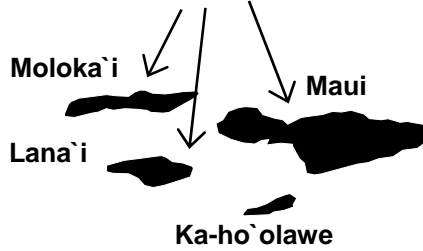
**Kaua'i County**  
128 Cases (4%)



**Honolulu County**  
2,164 Cases (73%)



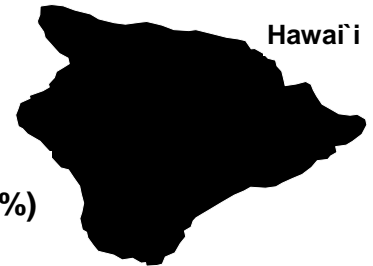
**Maui County**  
302 Cases (10%)



**Five-Year Average Reporting Rate per 100,000 population\* by county, reported from 7/2002 to 6/2007**

Honolulu Co.	8.5
Hawai'i Co.	6.0
Maui Co.	8.3
Kauai Co.	9.3
<b>Statewide</b>	<b>8.2</b>

**Hawai'i County**  
381 Cases (13%)



This map indicates the number of diagnosed AIDS cases reported to the Department of Health through June 30, 2007. These numbers do not reflect those diagnosed in other states who are now living in Hawai'i or individuals who are HIV-infected but not yet diagnosed with AIDS.

\*Estimated population 2005, from the State of Hawaii Data Book 2005  
<http://www.hawaii.gov/debedt/>

Cumulative Hawai'i AIDS cases reported from 1983 to June 30, 2007      2,975      Known Deaths      1,734 (58%)

### AIDS Cases by County: Five-year (July 1, 2002 - June 30, 2007) and Cumulative Total (1983 – June 30, 2007)

County	Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co		Statewide		
	5-Year		5-Year		5-Year		5-Year		5-Year		
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.
SEX	Male	336 (88)	1,999 (92)	44 (88)	338 (89)	52 (90)	283 (94)	26 (90)	117 (91)	458 (88)	2,737 (92)
	Female	48 (13)	165 (8)	6 (12)	43 (11)	6 (10)	19 (6)	3 (10)	11 (9)	63 (12)	238 (8)

RISK	Male to Male Sex	233 (61)	1,585 (73)	31 (62)	254 (67)	44 (76)	235 (78)	20 (69)	96 (75)	328 (63)	2,170 (73)	
	Injection Drug Use	40 (10)	160 (7)	2 (4)	39 (10)	3 (5)	16 (5)	2 (7)	10 (8)	47 (9)	225 (8)	
	Male/Male Sex & IDU	28 (7)	148 (7)	4 (8)	31 (8)	1 (2)	25 (8)	0 (0)	4 (3)	33 (6)	208 (7)	
	Heterosexual Contact	25 (7)	115 (5)	1 (2)	28 (7)	2 (3)	14 (5)	3 (10)	10 (8)	31 (6)	167 (6)	
	Transfusion	3 (1)	23 (1)	0 (0)	3 (1)	2 (3)	2 (1)	0 (0)	2 (2)	5 (1)	30 (1)	
	Perinatal	1 (<1)	12 (1)	0 (0)	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (0)	14 (<1)
	Hemophiliac	0 (0)	15 (1)	0 (0)	3 (1)	0 (0)	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	20 (1)
	Undetermined	54 (14)	106 (5)	12 (24)	21 (6)	6 (10)	8 (3)	4 (14)	6 (5)	76 (15)	141 (5)	
	Total Cases	384 (100)	2,164 (100)	50 (100)	381 (100)	58 (100)	302 (100)	29 (100)	128 (100)	521 (100)	2,975 (100)	

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July 2002—June 2007 N (%)	384 (66)	50 (14)	58 (13)	29 (7)	521 (100)
Cumulative cases N (%)	2,164 (73)	381 (13)	302 (10)	128 (4)	2,975 (100)
Estimated Population 2005 N (%)	905,266 (71)	167,293 (13)	134,739 (11)	62,640 (5)	1,275,194 (100)

# AIDS Cases by Race/Ethnicity

Five - Year Reported Cases (July 1, 2002 - June 30, 2007)

Race/Ethnicity	Caucasian		African American		Hispanic		Hawaiian/ Pt. Haw.		Filipino		Chinese		Japanese		Other A/PI		Multiple Race*		Total Cases**	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
5 Year Cases (%)	265	(51)	30	(6)	47	(9)	60	(12)	31	(6)	17	(3)	31	(6)	16	(3)	21	(4)	521	(100)
Cumulative Cases (%)	1,779	(60)	134	(5)	178	(6)	374	(13)	165	(6)	68	(2)	147	(5)	53	(2)	66	(2)	2,975	(100)

SEX	Male	240	(91)	25	(83)	43	(91)	45	(75)	29	(94)	13	(76)	30	(97)	13	(81)	16	(76)	457	(88)
	Female	25	(9)	5	(17)	4	(9)	15	(25)	2	(6)	4	(24)	1	(3)	3	(19)	5	(24)	64	(12)

RISK	Male to Male Sex	193	(73)	14	(47)	28	(60)	32	(53)	16	(52)	8	(47)	18	(58)	6	(38)	12	(57)	328	(63)
	Injection Drug Use	20	(8)	5	(17)	4	(9)	6	(10)	1	(3)	4	(24)	2	(6)	3	(19)	2	(10)	47	(9)
	Male/Male Sex & IDU	15	(6)	3	(10)	4	(9)	5	(8)	4	(13)	0	(0)	2	(6)	0	(0)	0	(0)	34	(7)
	Female Heterosexual	6	(2)	3	(10)	0	(0)	8	(13)	2	(6)	0	(0)	0	(0)	1	(6)	2	(10)	22	(4)
	Male Heterosexual	4	(2)	0	(0)	0	(0)	1	(2)	1	(3)	0	(0)	1	(3)	0	(0)	0	(0)	8	(2)
	Transfusion	2	(1)	0	(0)	1	(2)	0	(0)	1	(3)	0	(0)	1	(3)	1	(6)	0	(0)	6	(1)
	Perinatal	0	(0)	0	(0)	0	(0)	1	(2)	0	(0)	0	(0)	0	(0)	1	(6)	0	(0)	2	(<1)
	Hemophiliac	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)
	Undetermined	25	(9)	5	(17)	10	(21)	7	(12)	6	(19)	5	(29)	7	(23)	4	(25)	5	(24)	74	(14)
5-Year Total cases	265	(10)	30	(6)	47	(9)	60	(12)	31	(6)	17	(3)	31	(6)	16	(3)	<b>21</b>	<b>(4)</b>	521	(100)	
5-year average reporting rate per 100,000 <sup>1</sup>	11.1		18.0		10.7		4.7		3.7		4.9		2.5		5.2		1.6		8.6		

\*Data collection of multiple race since 2003. \*\*Total 521 cases for five years includes three male American Indian AIDS cases with risk of 1 MSM, 1 MSM/IDU, and 1 male heterosexual; Cumulative 2,975 cases included 11 American Indians.

<sup>1</sup>2000 U.S. Census figures from the <http://www.hawaii.gov/dbedt/info/economic/databook/db2005/section01.pdf>

**Reporting Requirements:** AIDS case reporting is required by Hawai'i Revised Statutes (HRS) §325-2 and Hawaii new Administrative Rules §11-156-3 for low CD4 values (<200 cells/μL and/or total lymphocytes <14%). Reporting by name is required at the time a person is diagnosed with AIDS as defined by the Centers for Disease Control and Prevention (revised in January 1993). HIV positive case reporting by Unnamed Test Code (UTC) is required by Hawaii Administrative Rules §11-156-8.8 and 8.9, implemented from August 27, 2001. Information is collected for the advancement of epidemiologic knowledge and handled in strictest confidentiality in accordance with HRS §325-101. Names and other identifiers are not released. Those required to report include physicians, nurses, infection control practitioners, medical directors, and hospitals. Questions regarding AIDS and HIV reporting forms, reporting requirements, or this report may be directed to the HIV/AIDS Surveillance Program at (808) 733-9010 (Tel), (808) 733-9015 (fax) or pbortha@lava.net (e-mail).