



**AIDS Reporting:** As of June 30, 2008, 3,066 AIDS cases were reported to the Hawaii HIV/AIDS Surveillance Program, Department of Health. A total of 93 cases were reported during the past one-year period (July 1, 2007 to June 30, 2008). Of these, 78 (84%) cases were male and 15 (16%) cases were female. These cases were reported from Honolulu County (64, 69%), Hawaii County (14, 15%), Maui County (13, 14%), and Kauai County (2, 3%). Among these 93 reported cases, 37 cases were diagnosed during this period: 32 (86%) males, 5 (14%) females. The majority of these cases were diagnosed in Honolulu County (29, 78%). 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:** The Hawai'i State Department of Health (DOH) has issued new reporting requirements on March 13, 2008, for healthcare providers and laboratories to include the patient's name for all cases of HIV infection. This includes individuals who were diagnosed previously in Hawai'i or elsewhere and those who are newly diagnosed. The new requirements for named HIV reporting are part of recent changes to the Hawai'i State Administrative Rules, Chapter 156, Communicable Disease Reporting. The earlier code-based HIV reporting no longer exists.

## AIDS Diagnosis in Hawaii

Figure 1. Hawaii AIDS Cases for four time periods, 2000 - 2007

Figure 1 shows the number of Hawaii AIDS diagnoses (left bar) and reported cases (right bar) for four time periods from 2000 to 2007. AIDS cases are reported long after they are diagnosed. Due to reporting delay, the numbers of diagnosed and reported cases do not match for each time period. The number of AIDS diagnoses decreased from 234 in 2000-2001 period to 121 in 2006-2007 period. The increased number of reported cases in the periods from 2002-2003 to 2006-2007 is a result of active surveillance and many unreported cases were discovered during these periods. Some of these reported cases were diagnosed in 2000-2001 or earlier.

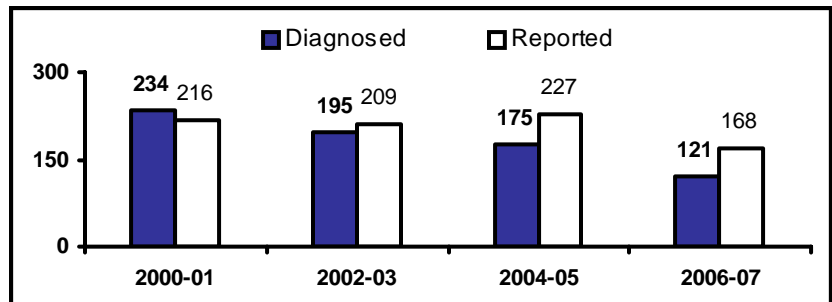


Table 1. Demographics of Hawaii AIDS Diagnosis, 2000 - 2007

Table 1 illustrates numbers of AIDS diagnoses for four time periods (from 2000-2001 to 2006-2007) by gender, risk, age, and county. From 1982 to 2007, there were 3,046 AIDS cases diagnosed in Hawaii. Males account for most of these cases (2,792, 91.7%). The proportion of female cases has increased to 15.7% in the recent period (2006-2007), compared to 13.3% in the 2000-2001 period. Men having sex with men (MSM) continues to be the primary risk for AIDS diagnosis in all four time periods. The proportion of MSM cases decreased from 64.3% in 2000-2001 to 54.5% in 2006-2007. The proportion of AIDS cases for Injection Drug Use (IDU) has increased to 18.2% in 2006-2007 from 8.7% in 2000-2001. Seventy-three percent (2,209/3,046) of Hawaii AIDS diagnosed were between 30 to 49 years of age. There were no pediatric AIDS cases for the recent two time periods (2004-2005, 2006-2007). The majority of AIDS diagnoses were in Honolulu County.

Characteristics	2000-01		2002-03		2004-05		2006-07		1982-2007	
	N = 241 (%)	N = 201 (%)	N = 201 (%)	N = 154 (%)	N = 154 (%)	N = 121 (%)	N = 121 (%)	N = 3,046 (%)	N = 3,046 (%)	
Gender	Male	209 86.7	174 86.6	138 89.6	102 84.3	2,792 91.7				
	Female	32 13.3	27 13.4	16 10.4	19 15.7	254 8.3				
Risk	MSM	155 64.3	120 59.7	94 61	66 54.5	2,205 72.4				
	IDU	21 8.7	15 7.5	8 5.2	22 18.2	233 7.6				
	MSM/IDU	12 5.0	14 7	12 7.8	6 5	216 7.1				
	Hetero	25 10.4	15 7.5	9 5.8	4 3.3	171 5.6				
	Other/Unkn.	28 11.6	37 18.4	31 20.1	23 19	221 7.3				
Age	<13	1 0.4	1 0.5	0 0	0 0	17 0.6				
	13-19	1 0.4	1 0.5	2 1.3	1 0.8	12 0.4				
	20-29	17 7.1	18 9	13 8.4	6 5	371 12.2				
	30-39	88 36.5	67 33.3	43 27.9	33 27.3	1,254 41.2				
	40-49	87 36.1	68 33.8	59 38.3	47 38.8	955 31.4				
	>49	47 19.5	46 22.9	37 24	34 28.1	437 14.3				
County	Honolulu	161 66.8	154 76.6	108 70.1	93 76.9	2,212 72.6				
	Hawaii	30 12.4	18 9	21 13.6	12 9.9	392 12.9				
	Maui	38 15.8	21 10.4	19 12.3	12 9.9	311 10.2				
	Kauai	12 5.0	8 4	6 3.9	4 3.3	131 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. This report is available at this 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, 2008

Year of Report	1983-2002	2003	2004	2005	2006	2007	2008	TOTAL
Cases by Year of Report <sup>1</sup>	2,513	100	121	106	83	83	60	3,066
Rate per 100,000 Population <sup>2</sup>	N/A	8.0	9.5	8.4	6.4	6.4	N/A	N/A

Demographics/Risk	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
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<b>S E X</b>	Male	2,330	(93)	84	(84)	109	(90)	94	(89)	72	(87)	72	(87)	50	(83)	2,811	(92)
	Female	183	(7)	16	(16)	12	(10)	12	(11)	11	(13)	11	(13)	10	(17)	255	(8)

<b>A G E</b>	<13	16	(1)	1	(1)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	17	(1)
	13-19	8	(<1)	1	(1)	0	(0)	1	(1)	2	(2)	0	(0)	0	(0)	12	(<1)
	20-29	324	(13)	9	(9)	13	(11)	8	(8)	2	(2)	9	(11)	8	(13)	373	(12)
	30-39	1,081	(43)	39	(39)	45	(37)	30	(28)	26	(31)	25	(30)	14	(23)	1,260	(41)
	40-49	770	(31)	30	(30)	37	(31)	41	(39)	30	(36)	28	(34)	25	(42)	961	(31)
	>49	314	(12)	20	(20)	26	(21)	26	(25)	23	(28)	21	(25)	13	(22)	443	(14)

<b>N E W R A C E</b>	Non-Hispanic																
	Caucasians	1,539	(61)	42	(42)	59	(49)	64	(60)	40	(48)	42	(51)	29	(48)	1,815	(59)
	Asians	374	(15)	22	(22)	23	(19)	13	(12)	20	(24)	11	(13)	17	(28)	480	(16)
	Hawaiians/PI	329	(13)	15	(15)	11	(9)	12	(11)	8	(10)	7	(8)	5	(8)	387	(13)
	African-Americans	108	(4)	8	(8)	8	(7)	3	(3)	3	(4)	4	(5)	0	(0)	134	(4)
	American Indians/Alaskans	8	(<1)	0	(0)	2	(2)	0	(0)	0	(0)	1	(1)	0	(0)	11	(<1)
	Multiple Race	16	(1)	7	(7)	3	(2)	5	(5)	3	(4)	5	(6)	3	(5)	42	(1)
	Other	0	(0)	0	(0)	1	(1)	1	(1)	0	(0)	0	(0)	0	(0)	2	(<1)
Hispanics	139	(6)	6	(6)	14	(12)	8	(8)	9	(11)	13	(16)	6	(10)	195	(6)	

<b>R I S K</b>	Male to Male Sex (MSM)	1,880	(75)	61	(61)	74	(61)	68	(64)	54	(65)	49	(59)	35	(58)	2,221	(72)
	Injection Drug Use (IDU)	183	(7)	4	(4)	11	(9)	6	(6)	11	(13)	12	(14)	7	(12)	234	(8)
	MSM & IDU	181	(7)	5	(5)	12	(10)	9	(8)	2	(2)	4	(5)	4	(7)	217	(7)
	Female Heterosexual	91	(4)	11	(11)	5	(4)	3	(3)	1	(1)	3	(4)	3	(5)	117	(4)
	Male Heterosexual	46	(2)	2	(2)	4	(3)	0	(0)	2	(2)	1	(1)	0	(0)	55	(2)
	Transfusion	26	(1)	3	(3)	1	(1)	0	(0)	0	(0)	0	(0)	0	(0)	30	(1)
	Perinatal	13	(1)	1	(1)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	14	(<1)
	Hemophiliac	20	(1)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	20	(1)
	Undetermined	73	(3)	13	(13)	14	(12)	20	(19)	13	(16)	14	(17)	11	(18)	158	(5)

<sup>1</sup> The number of reported AIDS cases may change for each year for the on-going national de-duplication project.

<sup>2</sup> Each year's estimated population from the State of Hawaii Data Book 2006, <http://hawaii.gov/dbedt/info/economic/databook/db2006/>

# County Report

## Cumulative AIDS Cases (1983 – July 30, 2008)

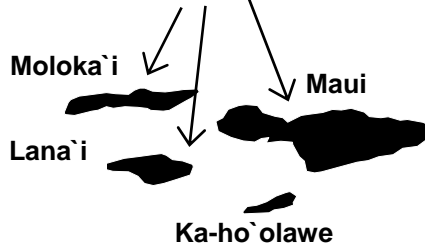
**Kaua'i County**  
131 Cases (4%)



**Honolulu County**  
2,226 Cases (73%)



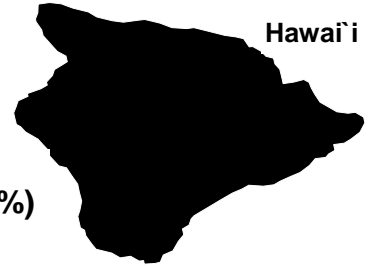
**Maui County**  
315 Cases (10%)



**Five-Year Average Reporting Rate**  
per 100,000 population\* by county,  
reported from 7/2003 to 6/2008

Honolulu Co.	7.4
Hawai'i Co.	6.5
Maui Co.	6.6
Kau'i Co.	9.5
Statewide	7.3

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



This map indicates the number of diagnosed AIDS cases reported to the Department of Health through June 30, 2008. 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 2006, from the State of Hawaii Data Book

Cumulative Hawai'i AIDS cases reported from 1983 to June 30, 2008	3,066	Known Deaths	1,759 (58%)
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### AIDS Cases by County: Five-year (July 1, 2003 - June 30, 2008) and Cumulative Total (1983 – June 30, 2008)

County		Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co.		Statewide											
		No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)								
SEX	Male	293	(87)	2,047	(92)	48	(86)	350	(89)	42	(89)	294	(93)	27	(90)	120	(92)	410	(88)	2,811	(92)
	Female	42	(13)	179	(8)	8	(14)	44	(11)	5	(11)	21	(7)	3	(10)	10	(8)	58	(12)	255	(8)

RISK	Male to Male Sex	204	(61)	1,622	(73)	27	(48)	258	(65)	34	(72)	243	(77)	21	(70)	98	(75)	286	(61)	2,221	(72)		
	Injection Drug Use	36	(11)	167	(8)	4	(7)	41	(10)	1	(2)	16	(5)	2	(7)	10	(8)	43	(9)	234	(8)		
	Male/Male Sex & IDU	22	(7)	155	(7)	5	(9)	32	(8)	1	(2)	26	(8)	0	(0)	4	(3)	28	(6)	217	(7)		
	Heterosexual Contact	25	(7)	120	(5)	1	(2)	28	(7)	1	(2)	14	(4)	2	(7)	10	(8)	29	(6)	172	(6)		
	Transfusion	3	(1)	23	(1)	0	(0)	3	(1)	1	(2)	2	(1)	0	(0)	2	(2)	4	(1)	30	(1)		
	Perinatal	1	(<1)	13	(1)	0	(0)	3	(1)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(<1)	16	(1)
	Hemophiliac	0	(0)	15	(1)	0	(0)	3	(1)	0	(0)	2	(1)	0	(0)	0	(0)	0	(0)	20	(1)		
	Undetermined	44	(13)	111	(5)	19	(34)	26	(7)	9	(19)	12	(4)	5	(17)	7	(5)	77	(16)	156	(5)		
	Total Cases	335	(100)	2,226	(100)	56	(100)	394	(100)	47	(100)	315	(100)	30	(100)	131	(100)	468	(100)	3,066	(100)		

July 2003—June 2008 N (%)	335 (66)	56 (14)	43 (13)	30 (7)	468 (100)
Cumulative cases N (%)	2,226 (73)	394 (13)	315 (10)	131 (4)	3,066 (100)
Estimated Population 2006 N (%)	909,863 (72)	171,191 (12)	141,440 (11)	63,004 (5)	1,285,498 (100)

# AIDS Cases by Race/Ethnicity

## Five - Year Reported Cases (July 1, 2003 - June 30, 2008)

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 (%)	250	(53)	25	(5)	55	(12)	42	(9)	28	(6)	16	(3)	34	(7)	15	(3)	23	(5)	468	(100)
Cumulative Cases (%)	1,815	(59)	134	(4)	195	(6)	335	(11)	183	(6)	81	(3)	163	(5)	107	(3)	42	(1)	3,066	(100)

SEX	Male	226	(90)	21	(84)	51	(93)	31	(74)	25	(89)	14	(88)	31	(91)	8	(53)	18	(78)	410	(88)
	Female	24	(10)	4	(16)	4	(7)	11	(26)	3	(11)	2	(13)	3	(9)	7	(47)	5	(22)	58	(12)

RISK	Male to Male Sex (MSM)	176	(70)	13	(52)	32	(58)	19	(45)	12	(43)	10	(63)	19	(56)	6	(40)	14	(61)	289	(62)
	Injection Drug Use	23	(9)	3	(12)	5	(9)	7	(17)	2	(7)	3	(19)	1	(3)	3	(20)	2	(9)	47	(10)
	Male/Male Sex & IDU	13	(5)	3	(12)	5	(9)	4	(10)	4	(14)	0	(0)	4	(12)	0	(0)	0	(0)	33	(7)
	Female Heterosexual	5	(2)	3	(12)	0	(0)	2	(5)	2	(7)	0	(0)	1	(3)	2	(13)	2	(9)	15	(3)
	Male Heterosexual	4	(2)	0	(0)	0	(0)	2	(5)	1	(4)	0	(0)	1	(3)	0	(0)	0	(0)	9	(2)
	Transfusion	1	(<1)	0	(0)	1	(2)	0	(0)	1	(4)	0	(0)	1	(3)	1	(7)	0	(0)	5	(1)
	Perinatal	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(7)	0	(0)	1	(<1)
	Hemophiliac	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)
	Undetermined	28	(11)	3	(12)	12	(22)	8	(19)	6	(21)	3	(19)	7	(21)	2	(13)	5	(22)	69	(15)
5-Year Total cases	250	(100)	25	(100)	55	(100)	42	(100)	28	(100)	16	(100)	34	(100)	15	(100)	23	(100)	468	(100)	
5-year average reporting rate per 100,000 <sup>1</sup>	10.5		15.0		12.5		3.3		3.3		4.7		2.7		4.9		1.8		8.1		

\* Data collection of multiple race since 2003. \*\*Total five years cases 468 cases includes three male American Indian AIDS cases with risk of 2 MSM, 1 male heterosexual. The cumulative 3,066 cases includes 11 American Indians/Alaskan with risk of seven MSM, three MSM/IDU, and one heterosexual.

<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/ $\mu$ L 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 name is required by Hawaii Administrative Rules, Chapter 156, Exhibit A for providers, implemented from March 13, 2008. 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 [pritty.borthakur@doh.hawaii.gov](mailto:pritty.borthakur@doh.hawaii.gov) (e-mail).