

HIV/AIDS Surveillance Semi-Annual Report

Hawai'i Department of Health

Cases to December 31, 2005



AIDS Data: As of December 31, 2005, a cumulative total of 2,847 AIDS cases have been reported to the Hawaii HIV/AIDS Surveillance Program, Department of Health. Of these, 1,542 (54.2%) are known dead. At the end of 2005, a total of 1,305 persons are known to be living with AIDS resulting in the prevalence rate of 102.3 AIDS cases per 100,000 population. There were 109 cases reported during 2005 (one-year period), which yields an annual AIDS report rate of 8.5 per 100,000 population. Of the 109 AIDS cases, there were 97 (89.0%) males and 12 (11.0%) females. Honolulu County reported 58 cases; Maui County 18 cases; Hawai'i County 12 cases; and Kaua'i County 21 cases. AIDS data is detailed on pages 2-4.

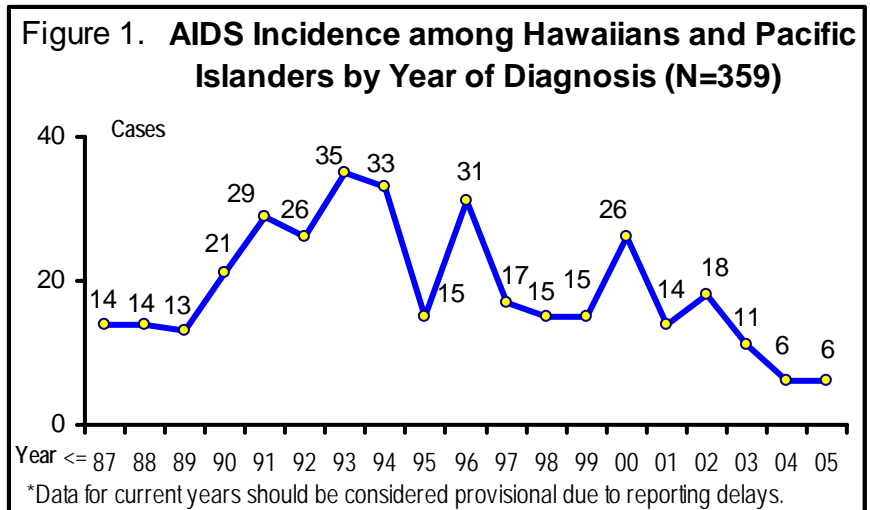
HIV Data: In accordance with the CDC recommendations and due to the challenges of the unnamed test code (UTC) reporting system, Hawaii is in the process of changing the reporting system from coded to named HIV reporting. At this time, Hawaii HIV data based on code reporting are not available. It is recommended that all providers continue to report HIV cases with UTCs and keep the linkage of UTCs and names in their offices for follow up of missing information on case report forms and for future code to name conversion.

AIDS among Hawaiians and Other Pacific Islanders*, 1984 - 2005

Since the first Hawaiian AIDS case was diagnosed and reported in Hawaii in 1984, 359 Hawaiian and other Pacific Islander AIDS cases have been diagnosed and reported as of December 31, 2005. These 359 cases represent 12.6% of the total diagnosed AIDS cases in Hawaii, which is almost the same as their relative proportion of the state population (12.1%). Of these 359 cases, 313 (87.2%) are Hawaiians and Part-Hawaiians; 25 (7.0%) Samoans; 5 (1.4%) Marshallese; 5 (1.4%) Micronesians; 11 (3.1%) other Pacific Islanders. Of the total reported cases, 211 (58.8%) are known to have died. Though the AIDS death case rate of Hawaiians and other Pacific Islanders is higher than that of other populations (58.8% versus 53.5%), there is no significance between these two groups ($P > 0.05$).

Figure 1 shows the AIDS incidence among Hawaiians and other Pacific Islanders by year of diagnosis. The incident peaked in 1993, then decreased, and fluctuated thereafter.

Of these 359 AIDS cases, there were 306 (85.2%) males and 53 (14.8%) females. Hawaiians and other Pacific Islanders have a significantly higher percentage of female AIDS cases than non-Hawaiians and other Pacific Islanders (14.8% versus 6.7%, $P < 0.05$).



The majority of these 359 AIDS cases (161, 44.8%) were diagnosed at ages 30-39, followed by 73 cases (20.3%) aged 40-49, 72 cases (20.1%) aged 20-29, 42 cases (11.7%) aged over 49, and 11 cases (3.1%) aged under 20. The primary risk behavior is among men who have sex with men (245, 68.2%). The second and third highest risk behaviors are heterosexual contact (39, 10.9%) and injection drug use (30, 8.4%). Honolulu County reported 273 cases (76.0%); Hawai'i County 48 cases (13.4%); Maui County 30 cases (8.4%); Kaua'i County 8 cases (2.2%).

* Includes persons self-identified as part-Hawaiians in the medical records.

Note: The data for Hawaiians and Part-Hawaiians in the June 2005 Issue have been updated and published in http://www.hawaii.gov/health/healthy-lifestyles/std-aids/aboutus/prg-aids/aids_rep/index.html

Hawai'i AIDS Cases, Reported through December 31, 2005

Year of Report	1983-1999	2000	2001	2002	2003	2004	2005	TOTAL
Cases by Year of Report	2,193	99	117	109	100	120	109	2,847
Rate per 100,000 Population *	N/A	8.2	9.6	8.8	8.0	9.5	8.5	N/A

Demographics/Risk	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
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SEX	Male	2,053	(94)	84	(85)	102	(87)	98	(90)	84	(84)	109	(91)	97	(89)	2,627	(92)
	Female	140	(6)	15	(15)	15	(13)	11	(10)	16	(16)	11	(9)	12	(11)	220	(8)

AGE	<13	15	(1)	1	(1)	0	(0)	0	(0)	1	(1)	0	(0)	0	(0)	17	(1)
	13-19	7	(<1)	1	(1)	0	(0)	0	(0)	1	(1)	0	(0)	1	(1)	10	(<1)
	20-29	291	(13)	7	(7)	10	(9)	13	(12)	9	(9)	14	(12)	9	(8)	353	(12)
	30-39	964	(44)	33	(33)	46	(39)	41	(38)	39	(39)	44	(37)	32	(29)	1,199	(42)
	40-49	659	(30)	39	(39)	37	(32)	38	(35)	30	(30)	36	(30)	41	(38)	880	(31)
	>49	257	(12)	18	(18)	24	(21)	17	(16)	20	(20)	26	(22)	26	(24)	388	(14)

RACE	Non-Hispanic																
	Caucasian	1,379	(63)	52	(53)	69	(59)	57	(52)	42	(42)	60	(50)	63	(58)	1,722	(60)
	Asian/Hawaiian/PI	593	(27)	39	(39)	35	(30)	39	(36)	-	-	3	(3)	2	(2)	711	(25)
	Asian	-	-	-	-	-	-	-	-	22	(22)	19	(16)	13	(12)	54	(2)
	Hawaiian/Pacific Islander	-	-	-	-	-	-	-	-	16	(16)	11	(9)	9	(8)	36	(1)
	African-American	95	(4)	3	(3)	3	(3)	6	(6)	8	(8)	8	(7)	3	(3)	126	(4)
	American Indian/Alaskan	8	(<1)	0	(0)	1	(<1)	0	(0)	0	(0)	2	(2)	1	(1)	12	(<1)
	Multiple Race & Unknown	5	(<1)	-	-	-	-	-	-	6	(6)	4	(3)	8	(7)	23	(1)
Hispanic	113	(5)	5	(5)	9	(8)	7	(6)	6	(6)	13	(11)	10	(9)	163	(6)	

Beginning 2003, the new category for race/ethnicity, which follows the 1997 OMB standard from CDC's guideline, has been adopted in Hawaii. Due to the new category adoption, race/ethnicity information collected and compiled in this report are under two systems.

RISK	Male to Male Sex	1,669	(76)	60	(61)	82	(70)	74	(68)	61	(61)	75	(63)	68	(62)	2,089	(73)
	Injection Drug Use	156	(7)	8	(8)	10	(9)	10	(9)	4	(4)	9	(8)	8	(7)	205	(7)
	Male/Male Sex & IDU	161	(7)	5	(5)	2	(2)	7	(6)	4	(4)	12	(10)	8	(7)	199	(7)
	Heterosexual	110	(5)	11	(11)	12	(10)	5	(5)	13	(13)	8	(7)	3	(3)	162	(6)
	Transfusion	24	(1)	0	(0)	0	(0)	2	(2)	3	(3)	1	(1)	0	(0)	30	(1)
	Perinatal	12	(1)	1	(1)	0	(0)	0	(0)	1	(1)	0	(0)	0	(0)	14	(<1)
	Hemophiliac	18	(1)	0	(0)	1	(1)	1	(1)	0	(0)	0	(0)	0	(0)	20	(1)
	Undetermined	43	(2)	14	(14)	10	(9)	10	(9)	14	(14)	15	(13)	22	(20)	128	(4)

* Each year's estimated population from The State of Hawaii Data Book 2004.

HIV/AIDS Surveillance Program, 3627 Kilauea Avenue Room 306, Honolulu, Hawaii 96816, (808) 733-9010, 733-9015 (Fax)
http://www.hawaii.gov/health/healthy-lifestyles/std-aids/aboutus/prg-aids/aids_rep/index.html

County Report

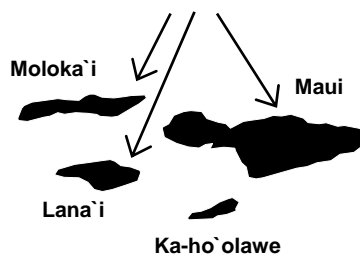
Cumulative Cases (1983 – December 31, 2005)

Kaua'i County
128 cases (4%)

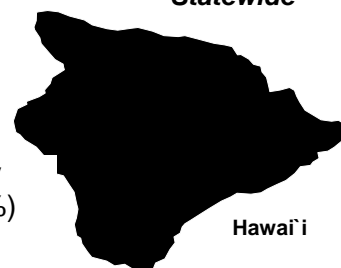
Honolulu County
2,062 Cases (72%)

Maui County
290 Cases (10%)

*Annual Reporting Rate per 100,000
Population by County, Reported from
2001 to 2005 (Five-Year Average)*



Hawai'i County
365 Cases (13%)



<u>County</u>	<u>Rate*</u>
Honolulu	8.2
Hawai'i	9.8
Maui	10.7
<u>Kaua'i</u>	<u>12.8</u>
Statewide	8.9

This map indicates the number of diagnosed AIDS cases reported to the Department of Health through December 31, 2005. 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.

Cumulative Hawai'i AIDS cases reported 1983 to December 31, 2005 2,847 Known Deaths 1,542 (54.2%)

AIDS Cases by County: Five-year (2001 - 2005) and Cumulative Total (1983 – December 31, 2005)

County		Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co		Statewide	
		5-Year	Cum. Total	5-Year	Cum. Total	5-Year	Cum. Total	5-Year	Cum. Total	5-Year	Cum. Total
		No. (%)	N (%)	No. (%)	No. (%)	No. (%)	No. (%)	N (%)	N (%)	No. (%)	No. (%)
SEX	Male	322 (88)	1,911 (93)	67 (86)	327 (89)	67 (92)	272 (94)	34 (87)	117 (91)	490 (88)	2,627 (92)
	Female	43 (12)	151 (7)	11 (14)	40 (11)	6 (8)	18 (6)	5 (13)	11 (9)	65 (12)	220 (8)

RISK	Male to Male Sex	230 (63)	1,526 (74)	47 (60)	243 (66)	57 (78)	225 (78)	26 (67)	95 (74)	360 (65)	2,089 (73)	
	Injection Drug Use	27 (7)	140 (7)	7 (9)	39 (11)	3 (4)	16 (6)	4 (10)	10 (8)	41 (7)	205 (7)	
	Male/Male Sex & IDU	27 (7)	142 (7)	4 (5)	30 (8)	1 (1)	23 (8)	1 (3)	4 (3)	33 (6)	199 (7)	
	Heterosexual Contact	27 (7)	111 (5)	6 (8)	27 (7)	4 (5)	14 (5)	4 (10)	10 (8)	41 (7)	162 (6)	
	Transfusion	4 (1)	23 (1)	0 (0)	3 (1)	2 (3)	2 (1)	0 (0)	2 (2)	6 (1)	30 (1)	
	Perinatal	1 (0)	12 (1)	0 (0)	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (0)	14 (<1)
	Hemophiliac	2 (1)	15 (1)	0 (0)	3 (1)	0 (0)	2 (1)	0 (0)	0 (0)	0 (0)	2 (0)	20 (1)
	Undetermined	47 (13)	93 (5)	14 (18)	20 (5)	6 (8)	8 (3)	4 (10)	7 (5)	71 (13)	128 (4)	
Total Cases		365	2,062	78	367	73	290	39	128	555	2,847	

01/2001– 12/2005 Cases (%)	365 (66)	78 (14)	73 (13)	39 (7)	555 (100)
Cumulative Cases (%)	2,062 (72)	367 (13)	290 (10)	128 (4)	2,847 (100)
2002 Estimated Population (%)	(72)	(12)	(11)	(5)	1,224,898 (100)

AIDS Cases by Race/Ethnicity Reported from 2001 to 2005 (Five - Year)

Race/Ethnicity	Caucasian	African American	Hispanic	Hawaiian/ Pt. Haw.	Filipino	Chinese	Japa- nese	Other A/PIs	Multiple ^a Race	Total ^b
	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)

SEX	Male	266 (92)	21 (75)	41 (91)	56 (85)	33 (89)	11 (92)	22 (96)	21 (70)	15 (75)	490 (88)
	Female	24 (8)	7 (25)	4 (9)	10 (15)	4 (11)	1 (8)	1 (4)	9 (30)	5 (25)	65 (12)

RISK	Male to Male Sex	209 (72)	12 (43)	28 (62)	40 (61)	24 (65)	8 (67)	12 (52)	13 (43)	10 (71)	360 (65)
	Injection Drug Use	19 (7)	5 (18)	4 (9)	6 (9)	1 (3)	2 (17)	1 (4)	2 (7)	1 (7)	41 (7)
	Male/Male Sex &	16 (6)	3 (11)	4 (9)	7 (11)	1 (3)	0 (0)	2 (9)	0 (0)	1 (7)	33 (6)
	Heterosexual	14 (5)	3 (11)	1 (2)	7 (1)	6 (16)	0 (0)	2 (9)	5 (17)	2 (14)	41 (7)
	Transfusion	2 (<1)	0 (0)	1 (2)	0 (0)	1 (3)	0 (0)	1 (4)	1 (3)	0 (0)	6 (1)
	Perinatal	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	1 (<1)
	Hemophiliac	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (<1)
	Undetermined	28 (10)	5 (18)	7 (16)	6 (9)	4 (11)	2 (17)	5 (22)	8 (27)	6 (43)	71 (14)
5-Year Cases		290	28	45	66	37	12	23	30	20	555

Cumulative Cases (%)	1,722(60)	126 (4)	163 (6)	313 (11)	158 (6)	63 (2)	134 (5)	133 (5)	23 (<1)	2,847
5 Year Cases (%)	290 (52)	28 (5)	45 (8)	66 (12)	37 (7)	12 (2)	23 (4)	30 (5)	20 (4)	555
5 -Year Average An- nual Rate per 100,000 ^c	19.7	25.5	10.3	16.5	4.3	4.2	2.3	1.9	1.5	9.2

^a This data collection began in 2003.

^b Totals include American Indians with 4 cases in previous 5-year period; 12 cases as of December, 31 2005.

^c 2000 population, U.S. Census, from the State of Hawaii Data Book 2002, <http://www.hawaii.gov/dbedt/db02/01/013202.xls> and 013302.xls

Reporting Requirement. AIDS case reporting is required by Hawai'i Revised Statutes (HRS) §325-2 and Hawaii Administrative Rules §11-156-3 for low CD4 values (<200µl/ml or <14% of total lymphocytes). 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 case reporting by Unnamed Test Code (UTC) is required by Hawaii Administrative Rules §11-156-8.8 & 8.9., which took effect on August 27, 2001. Information is collected for the advancement of epidemiologic knowledge and handled in strictest confidence 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 forms, reporting requirements, or this report may either mail to the HIV/AIDS Surveillance Program, 3627 Kilauea Avenue, Room 306. Honolulu, Hawaii 96816, phone at (808) 733-9010, fax at (808) 733-9015 or e-mail to qsandy@lava.net