

OFFICE OF AIDS



**Southern Nevada Health District
Las Vegas, Nevada**

Surveillance Update

DECEMBER 2009

SNHD
Southern Nevada Health District

Acquired Immunodeficiency Syndrome (AIDS)
 Cumulative HIV Infections in Clark Co. NV through 12/31/09
 Surveillance Report - 12/31/2009

1. Disease Category	Adult/Adolescent *		Pediatric *		Total	
	Cases (%)	Deaths (%)	Cases (%)	Deaths (%)	Cases (%)	Deaths (%)
PCP	0 (0)	0 (.)	0 (0)	0 (.)	0 (0)	0 (.)
Other Disease w/o PCP	0 (0)	0 (.)	0 (0)	0 (.)	0 (0)	0 (.)
KS Alone	0 (0)	0 (.)	0 (0)	0 (.)	0 (0)	0 (.)
No Diseases Listed	3556 (100)	469 (13)	24 (100)	2 (8)	3580 (100)	471 (13)
Total	3556 (100)	469 (13)	24 (100)	2 (8)	3580 (100)	471 (13)

2. Age *	Cases (%)	3. Race/Ethnicity	Adult/Adolescent *	Pediatric *	Total
			Cases (%)	Cases (%)	Cases (%)
Under 5	22 (1)	Hispanic - All Races	626 (18)	4 (17)	630 (18)
5-12	2 (0)	Not Hispanic - Am. Indian/Alaska Native	23 (1)	0 (0)	23 (1)
13-19	78 (2)	Asian	36 (1)	0 (0)	36 (1)
20-29	1153 (32)	Black or African American	909 (26)	12 (50)	921 (26)
30-39	1305 (36)	Native Hawaiian/Pacific Is.	10 (0)	0 (0)	10 (0)
40-49	723 (20)	White	1910 (54)	8 (33)	1918 (54)
Over 49	297 (8)	Legacy Asian/Pacific Is.	0 (0)	0 (0)	0 (0)
Unknown	0 (0)	Multi-race	40 (1)	0 (0)	40 (1)
		Unknown	2 (0)	0 (0)	2 (0)
Total	3580 (100)	Total	3556 (100)	24 (100)	3580 (100)

4. Exposure Category	Adult/Adolescent Transmission Modes		
	Males (%)	Females (%)	Total (%)
Men who have sex with men	1977 (67)	0 (0)	1977 (56)
Injecting drug use	223 (8)	116 (19)	339 (10)
Men who have sex with men and inject drugs	195 (7)	0 (0)	195 (5)
Hemophilia/coagulation disorder	5 (0)	0 (0)	5 (0)
Heterosexual contact	82 (3)	349 (56)	431 (12)
Receipt of blood, components, or tissue	0 (0)	1 (0)	1 (0)
Risk not reported/Other	451 (15)	158 (25)	609 (17)
Total	2933 (100)	624 (100)	3557 (100)

	Pediatric Transmission Modes		
	Males (%)	Females (%)	Total (%)
Hemophilia/coagulation disorder	0 (0)	0 (0)	0 (0)
Mother with/at risk for HIV infection	12 (100)	10 (91)	22 (96)
Receipt of blood, components, or tissue	0 (0)	0 (0)	0 (0)
Risk not reported/Other	0 (0)	1 (9)	1 (4)
Total	12 (100)	11 (100)	23 (100)

* Classification at time of AIDS dx if patient met the AIDS case definition (otherwise age at first HIV report).

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1. Disease Category	Adult/Adolescent *		Pediatric *		Total	
	Cases (%)	Deaths (%)	Cases (%)	Deaths (%)	Cases (%)	Deaths (%)
PCP	1123 (21)	832 (74)	7 (26)	4 (57)	1130 (21)	836 (74)
Other Disease w/o PCP	1173 (22)	792 (68)	19 (70)	10 (53)	1192 (22)	802 (67)
KS Alone	96 (2)	63 (66)	0 (0)	0 (.)	96 (2)	63 (66)
No Diseases Listed	2882 (55)	827 (29)	1 (4)	0 (0)	2883 (54)	827 (29)
Total	5274 (100)	2514 (48)	27 (100)	14 (52)	5301 (100)	2528 (48)

2. Age *	Cases (%)	3. Race/Ethnicity	Adult/Adolescent *	Pediatric *	Total
			Cases (%)	Cases (%)	Cases (%)
Under 5	23 (0)	Hispanic - All Races	907 (17)	5 (19)	912 (17)
5-12	4 (0)	Not Hispanic - Am. Indian/Alaska Native	32 (1)	0 (0)	32 (1)
13-19	26 (0)	Asian	43 (1)	0 (0)	43 (1)
20-29	819 (15)	Black or African American	1319 (25)	12 (44)	1331 (25)
30-39	2135 (40)	Native Hawaiian/Pacific Is.	14 (0)	0 (0)	14 (0)
40-49	1538 (29)	White	2895 (55)	10 (37)	2905 (55)
Over 49	756 (14)	Legacy Asian/Pacific Is.	1 (0)	0 (0)	1 (0)
Unknown	0 (0)	Multi-race	63 (1)	0 (0)	63 (1)
Total	5301 (100)	Unknown	0 (0)	0 (0)	0 (0)
		Total	5274 (100)	27 (100)	5301 (100)

4. Exposure Category	Adult/Adolescent Transmission Modes**		
	Males (%)	Females (%)	Total (%)
Men who have sex with men	3351 (74)	0 (0)	3351 (64)
Injecting drug use	534 (12)	235 (31)	769 (15)
Men who have sex with men and inject drugs	378 (8)	0 (0)	378 (7)
Hemophilia/coagulation disorder	5 (0)	0 (0)	5 (0)
Heterosexual contact	144 (3)	446 (60)	590 (11)
Receipt of blood, components, or tissue	8 (0)	4 (1)	12 (0)
Risk not reported/Other	101 (2)	62 (8)	163 (3)
Total	4521 (100)	747 (100)	5268 (100)

	Pediatric Transmission Modes		
	Males (%)	Females (%)	Total (%)
Hemophilia/coagulation disorder	0 (0)	0 (0)	0 (0)
Mother with/at risk for HIV infection	14 (100)	15 (79)	29 (88)
Receipt of blood, components, or tissue	0 (0)	2 (11)	2 (6)
Risk not reported/Other	0 (0)	2 (11)	2 (6)
Total	14 (100)	19 (100)	33 (100)

* Classification at time of AIDS dx if patient met the AIDS case definition (otherwise age at first HIV report).

**7 patients were diagnosed with AIDS as adults but have evidence of being HIV infected as children. They are counted as adults/adolescent cases in tables 1, 2, and 3; and as pediatric cases in table 4.

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5. Reported Cases of AIDS and Case-Fatality Rates by Half-Year of Diagnosis.

Half-Year of Diagnosis -----	Number of Cases -----	Number of Deaths -----	Case-Fatality Rate -----
Before 1990	337	307	91%
1990 Jan -June	80	73	91%
July-Dec	84	76	90%
1991 Jan -June	103	95	92%
July-Dec	127	110	87%
1992 Jan -June	122	106	87%
July-Dec	173	146	84%
1993 Jan -June	171	138	81%
July-Dec	145	114	79%
1994 Jan -June	167	118	71%
July-Dec	141	95	67%
1995 Jan -June	162	109	67%
July-Dec	202	117	58%
1996 Jan -June	163	83	51%
July-Dec	159	65	41%
1997 Jan -June	161	71	44%
July-Dec	118	58	49%
1998 Jan -June	111	48	43%
July-Dec	104	44	42%
1999 Jan -June	99	33	33%
July-Dec	108	29	27%
2000 Jan -June	121	46	38%
July-Dec	102	35	34%
2001 Jan -June	90	31	34%
July-Dec	101	32	32%
2002 Jan -June	122	38	31%
July-Dec	119	35	29%
2003 Jan -June	124	30	24%
July-Dec	101	26	26%
2004 Jan -June	125	29	23%
July-Dec	120	26	22%
2005 Jan -June	128	23	18%
July-Dec	106	24	23%

2006 Jan -June	116	15	13%
July-Dec	109	24	22%
2007 Jan -June	124	20	16%
July-Dec	122	19	16%
2008 Jan -June	107	15	14%
July-Dec	148	13	9%
2009 Jan -June	88	9	10%
July-Dec 31	91	3	3%
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Totals	5301	2528	48%

HARS Reporting :
Cumulative Deaths in Clark Co.

death	freq
	5514
1987: 1-12	1
1988: 1-12	3
1989: 1-12	7
1990: 1-12	19
1991: 1-12	36
1992: 1-12	114
1993: 1-12	140
1994: 1-12	179
1995: 1-12	173
1996: 1-12	104
1997: 1-12	81
1998: 1-12	76
1999: 1-12	92
2000: 1-12	83
2001: 1-12	71
2002: 1-12	90
2003: 1-12	108
2004: 1-12	117
2005: 1-12	119
2006: 1-12	108
2007: 1-12	130
2008: 1-12	76
2009: 1-12	55