

OFFICE OF AIDS



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

Surveillance Update

OCTOBER 2009

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Southern Nevada Health District

Acquired Immunodeficiency Syndrome (AIDS)
 Cumulative HIV Infections in Clark Co., NV through 10/31/09
 Surveillance Report - 11/02/2009

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	3593 (100)	465 (13)	24 (100)	2 (8)	3617 (100)	467 (13)
Total	3593 (100)	465 (13)	24 (100)	2 (8)	3617 (100)	467 (13)

2. Age *	Cases (%)	3. Race/Ethnicity	Adult/Adolescent *	Pediatric *	Total
			Cases (%)	Cases (%)	Cases (%)
Under 5	22 (1)	Hispanic - All Races	626 (17)	4 (17)	630 (17)
5-12	2 (0)	Not Hispanic - Am. Indian/Alaska Native	24 (1)	0 (0)	24 (1)
13-19	80 (2)	Asian	33 (1)	0 (0)	33 (1)
20-29	1158 (32)	Black or African American	922 (26)	12 (50)	934 (26)
30-39	1328 (37)	Native Hawaiian/Pacific Is.	11 (0)	0 (0)	11 (0)
40-49	732 (20)	White	1933 (54)	8 (33)	1941 (54)
Over 49	295 (8)	Legacy Asian/Pacific Is.	0 (0)	0 (0)	0 (0)
Unknown	0 (0)	Multi-race	42 (1)	0 (0)	42 (1)
		Unknown	2 (0)	0 (0)	2 (0)
Total	3617 (100)	Total	3593 (100)	24 (100)	3617 (100)

4. Exposure Category	Adult/Adolescent Transmission Modes		
	Males (%)	Females (%)	Total (%)
Men who have sex with men	1991 (67)	0 (0)	1991 (55)
Injecting drug use	227 (8)	117 (19)	344 (10)
Men who have sex with men and inject drugs	198 (7)	0 (0)	198 (6)
Hemophilia/coagulation disorder	5 (0)	0 (0)	5 (0)
Heterosexual contact	84 (3)	351 (56)	435 (12)
Receipt of blood, components, or tissue	0 (0)	1 (0)	1 (0)
Risk not reported/Other	459 (15)	161 (26)	620 (17)
Total	2964 (100)	630 (100)	3594 (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)	831 (74)	7 (26)	4 (57)	1130 (21)	835 (74)
Other Disease w/o PCP	1172 (22)	790 (67)	19 (70)	10 (53)	1191 (23)	800 (67)
KS Alone	96 (2)	63 (66)	0 (0)	0 (.)	96 (2)	63 (66)
No Diseases Listed	2856 (54)	828 (29)	1 (4)	0 (0)	2857 (54)	828 (29)
Total	5247 (100)	2512 (48)	27 (100)	14 (52)	5274 (100)	2526 (48)

2. Age *	Cases (%)	3. Race/Ethnicity	Adult/Adolescent *	Pediatric *	Total
			Cases (%)	Cases (%)	Cases (%)
Under 5	23 (0)	Hispanic - All Races	897 (17)	5 (19)	902 (17)
5-12	4 (0)	Not Hispanic - Am. Indian/Alaska Native	31 (1)	0 (0)	31 (1)
13-19	26 (0)	Asian	41 (1)	0 (0)	41 (1)
20-29	812 (15)	Black or African American	1313 (25)	12 (44)	1325 (25)
30-39	2127 (40)	Native Hawaiian/Pacific Is.	13 (0)	0 (0)	13 (0)
40-49	1529 (29)	White	2888 (55)	10 (37)	2898 (55)
Over 49	753 (14)	Legacy Asian/Pacific Is.	1 (0)	0 (0)	1 (0)
Unknown	0 (0)	Multi-race	63 (1)	0 (0)	63 (1)
Total	5274 (100)	Unknown	0 (0)	0 (0)	0 (0)
		Total	5247 (100)	27 (100)	5274 (100)

4. Exposure Category	Adult/Adolescent Transmission Modes**		
	Males (%)	Females (%)	Total (%)
Men who have sex with men	3334 (74)	0 (0)	3334 (64)
Injecting drug use	533 (12)	235 (32)	768 (15)
Men who have sex with men and inject drugs	375 (8)	0 (0)	375 (7)
Hemophilia/coagulation disorder	5 (0)	0 (0)	5 (0)
Heterosexual contact	143 (3)	441 (59)	584 (11)
Receipt of blood, components, or tissue	8 (0)	4 (1)	12 (0)
Risk not reported/Other	100 (2)	63 (8)	163 (3)
Total	4498 (100)	743 (100)	5241 (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.

Acquired Immunodeficiency Syndrome (AIDS)
 Cumulative AIDS Cases in Clark Co., NV through 10/31/09
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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	45	37%
July-Dec	102	35	34%
2001 Jan -June	90	31	34%
July-Dec	101	31	31%
2002 Jan -June	122	38	31%
July-Dec	119	34	29%
2003 Jan -June	124	30	24%
July-Dec	101	26	26%
2004 Jan -June	125	29	23%
July-Dec	121	26	21%
2005 Jan -June	129	23	18%
July-Dec	107	24	22%

2006 Jan -June	116	15	13%
July-Dec	110	24	22%
2007 Jan -June	126	21	17%
July-Dec	125	19	15%
2008 Jan -June	110	16	15%
July-Dec	148	13	9%
2009 Jan -June	87	9	10%
July-Nov 2	53	2	4%
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Totals	5274	2526	48%

Cumulative AIDS Cases in Clark Co. NV through 10/31/09
By Dates of Diagnosis and Report

11/02/2009

All Reported Cases

Date of Diagnosis	Date of Diagnosis													Total	
	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Unk		
1982					1	0	0	0	0	0	0	0	0	0	1
1983	0	0	2	0	0	0	0	1	0	0	1	0	0	0	4
1984	0	0	0	2	1	1	0	0	1	0	0	1	0	0	6
1985	1	0	0	1	0	3	1	2	1	2	2	0	0	0	13
1986	2	3	3	1	2	5	3	4	0	4	4	4	0	0	35
1987	4	9	6	1	4	6	3	6	3	10	7	9	0	0	68
1988	7	5	13	6	6	8	9	9	5	5	7	9	0	0	89
1989	7	9	10	14	4	11	11	14	8	6	12	15	0	0	121
1990	6	9	19	11	16	19	11	16	19	15	12	11	0	0	164
1991	19	19	14	14	20	17	16	24	28	16	19	24	0	0	230
1992	18	16	21	25	22	19	24	35	29	32	22	31	1	0	295
1993	28	28	36	32	25	22	28	22	30	15	23	27	0	0	316
1994	26	27	41	24	26	22	29	28	17	26	16	25	1	0	308
1995	21	21	34	24	35	26	21	44	26	47	35	29	1	0	364
1996	28	36	24	31	16	27	24	33	24	23	21	34	1	0	322
1997	33	27	24	28	27	21	16	25	19	19	23	16	1	0	279
1998	17	20	28	14	13	18	10	19	20	17	23	15	1	0	215
1999	15	22	20	10	13	16	21	22	18	16	11	20	3	0	207
2000	17	18	27	17	23	19	17	13	15	15	19	23	0	0	223
2001	15	18	15	13	18	11	11	18	12	23	15	22	0	0	191
2002	24	22	17	24	12	23	21	25	16	19	18	20	0	0	241
2003	18	23	17	24	18	23	17	19	11	13	17	24	1	0	225
2004	22	23	27	18	18	17	36	15	12	14	18	26	0	0	246
2005	31	16	16	25	18	23	25	18	13	14	20	17	0	0	236
2006	21	11	17	23	21	23	19	29	20	14	12	16	0	0	226
2007	24	14	20	18	26	24	24	18	24	22	20	17	0	0	251
2008	12	12	22	24	14	26	27	28	28	25	19	21	0	0	258
2009	12	18	12	15	14	16	14	18	11	10	0		0	0	140

Date of Report	Date of Report												Total		
	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec			
1983			2	0	1	0	0	0	1	0	0	1			5
1984	0	0	0	0	2	0	1	0	0	0	0	1			4
1985	1	0	0	0	1	0	1	3	3	1	3	0			13
1986	2	2	3	1	2	3	2	3	1	2	2	3			26
1987	4	7	2	3	0	2	0	0	6	30	9	10			73
1988	6	4	15	7	4	6	8	11	4	3	7	9			84
1989	5	9	9	15	3	11	8	14	7	7	9	13			110
1990	3	7	15	11	14	14	9	15	15	13	9	10			135
1991	11	16	12	12	15	17	11	18	16	18	21	16			183
1992	10	7	14	18	11	11	10	12	23	17	22	28			183
1993	98	42	39	44	22	26	29	27	10	31	16	15			399
1994	30	29	33	29	23	29	18	30	28	21	25	16			311
1995	23	16	39	25	27	35	15	27	27	41	17	27			319
1996	37	18	42	19	19	31	37	24	27	22	23	32			331
1997	32	22	18	27	30	20	16	34	31	27	27	118			402
1998	14	16	25	20	9	20	14	13	15	15	16	18			195
1999	17	31	12	13	10	8	25	22	18	19	14	11			200
2000	18	11	23	22	38	13	18	17	16	17	9	30			232

Cumulative AIDS Cases in Clark Co.NV through 10/31/09
 By Dates of Diagnosis and Report 11/02/2009

2001	12	13	12	18	5	12	10	12	15	28	13	24	17
2002	19	18	18	31	19	21	12	27	19	30	16	9	23
2003	27	15	26	17	42	20	23	17	5	21	12	20	24
2004	19	20	41	29	15	21	23	16	12	14	12	13	23
2005	22	29	16	24	25	14	18	8	15	15	13	25	22
2006	12	22	15	14	16	33	19	20	28	14	14	16	22
2007	19	25	18	20	25	26	20	18	20	22	20	45	27
2008	12	19	14	18	15	23	25	25	29	25	22	20	24
2009	15	23	16	11	19	12	16	16	15	22	0		16

HARS Reporting &
Cumulative Deaths in Clark Co.,

death	freq
	5533
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	82
2001: 1-12	71
2002: 1-12	90
2003: 1-12	108
2004: 1-12	117
2005: 1-12	118
2006: 1-12	108
2007: 1-12	132
2008: 1-12	80
2009: 1-12	47