

OFFICE OF AIDS

HIV

Surveillance Project

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

Surveillance Update

SEPTEMBER 2009



Acquired Immunodeficiency Syndrome (AIDS)
 Cumulative HIV Infections in Clark Co., NV through 9/30/09
 Surveillance Report - 09/30/2009

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	3576 (100)	456 (13)	23 (100)	2 (9)	3599 (100)	458 (13)
Total	3576 (100)	456 (13)	23 (100)	2 (9)	3599 (100)	458 (13)

2. Age *	Cases (%)	3. Race/Ethnicity	Adult/Adolescent *	Pediatric *	Total
			Cases (%)	Cases (%)	Cases (%)
Under 5	21 (1)	Hispanic - All Races	620 (17)	4 (17)	624 (17)
5-12	2 (0)	Not Hispanic - Am. Indian/Alaska Native	24 (1)	0 (0)	24 (1)
13-19	79 (2)	Asian	33 (1)	0 (0)	33 (1)
20-29	1151 (32)	Black or African American	919 (26)	11 (48)	930 (26)
30-39	1323 (37)	Native Hawaiian/Pacific Is.	11 (0)	0 (0)	11 (0)
40-49	728 (20)	White	1926 (54)	8 (35)	1934 (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	1 (0)	0 (0)	1 (0)
Total	3599 (100)	Total	3576 (100)	23 (100)	3599 (100)

4. Exposure Category	Adult/Adolescent Transmission Modes		
	Males (%)	Females (%)	Total (%)
Men who have sex with men	1981 (67)	0 (0)	1981 (55)
Injecting drug use	224 (8)	116 (19)	340 (10)
Men who have sex with men and inject drugs	197 (7)	0 (0)	197 (6)
Hemophilia/coagulation disorder	5 (0)	0 (0)	5 (0)
Heterosexual contact	84 (3)	349 (56)	433 (12)
Receipt of blood, components, or tissue	0 (0)	1 (0)	1 (0)
Risk not reported/Other	458 (16)	161 (26)	619 (17)
Total	2949 (100)	627 (100)	3576 (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 (22)	835 (74)
Other Disease w/o PCP	1168 (22)	788 (67)	19 (70)	10 (53)	1187 (23)	798 (67)
KS Alone	96 (2)	63 (66)	0 (0)	0 (.)	96 (2)	63 (66)
No Diseases Listed	2840 (54)	818 (29)	1 (4)	0 (0)	2841 (54)	818 (29)
Total	5227 (100)	2500 (48)	27 (100)	14 (52)	5254 (100)	2514 (48)

2. Age *	Cases (%)	3. Race/Ethnicity	Adult/Adolescent *	Pediatric *	Total
			Cases (%)	Cases (%)	Cases (%)
Under 5	23 (0)	Hispanic - All Races	895 (17)	5 (19)	900 (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	811 (15)	Black or African American	1305 (25)	12 (44)	1317 (25)
30-39	2122 (40)	Native Hawaiian/Pacific Is.	13 (0)	0 (0)	13 (0)
40-49	1520 (29)	White	2878 (55)	10 (37)	2888 (55)
Over 49	748 (14)	Legacy Asian/Pacific Is.	1 (0)	0 (0)	1 (0)
Unknown	0 (0)	Multi-race	63 (1)	0 (0)	63 (1)
Total	5254 (100)	Unknown	0 (0)	0 (0)	0 (0)
		Total	5227 (100)	27 (100)	5254 (100)

4. Exposure Category	Adult/Adolescent Transmission Modes**		
	Males (%)	Females (%)	Total (%)
Men who have sex with men	3320 (74)	0 (0)	3320 (64)
Injecting drug use	533 (12)	235 (32)	768 (15)
Men who have sex with men and inject drugs	374 (8)	0 (0)	374 (7)
Hemophilia/coagulation disorder	5 (0)	0 (0)	5 (0)
Heterosexual contact	143 (3)	436 (59)	579 (11)
Receipt of blood, components, or tissue	8 (0)	4 (1)	12 (0)
Risk not reported/Other	100 (2)	63 (9)	163 (3)
Total	4483 (100)	738 (100)	5221 (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 9/30/09
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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	113	78%
1994 Jan -June	167	118	71%
July-Dec	141	94	67%
1995 Jan -June	162	109	67%
July-Dec	202	114	56%
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	28	26%
2000 Jan -June	121	45	37%
July-Dec	102	34	33%
2001 Jan -June	91	31	34%
July-Dec	101	31	31%
2002 Jan -June	122	38	31%
July-Dec	119	34	29%
2003 Jan -June	124	29	23%
July-Dec	101	26	26%
2004 Jan -June	125	29	23%
July-Dec	121	26	21%
2005 Jan -June	129	23	18%
July-Dec	108	23	21%

2006 Jan -June	116	14	12%
July-Dec	110	24	22%
2007 Jan -June	126	21	17%
July-Dec	125	18	14%
2008 Jan -June	110	16	15%
July-Dec	147	13	9%
2009 Jan -June	87	9	10%
July-Sep 30	32	1	3%
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Totals	5254	2514	48%

Cumulative AIDS Cases in Clark Co. NV through 9/30/09
By Dates of Diagnosis and Report 09/30/2009

All Reported Cases

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	1
1983	0	0	2	0	0	0	0	1	0	0	1	0	0	4
1984	0	0	0	2	1	1	0	0	1	0	0	1	0	6
1985	1	0	0	1	0	3	1	2	1	2	2	0	0	13
1986	2	3	3	1	2	5	3	4	0	4	4	4	0	35
1987	4	9	6	1	4	6	3	6	3	10	7	9	0	68
1988	7	5	13	6	6	8	9	9	5	5	7	9	0	89
1989	7	9	10	14	4	11	11	14	8	6	12	15	0	121
1990	6	9	19	11	16	19	11	16	19	15	12	11	0	164
1991	19	19	14	14	20	17	16	24	28	16	19	24	0	230
1992	18	16	21	25	22	19	24	35	29	32	22	31	1	295
1993	28	28	36	32	25	22	28	22	30	15	23	27	0	316
1994	26	27	41	24	26	22	29	28	17	26	16	25	1	308
1995	21	21	34	24	35	26	21	44	26	47	35	29	1	364
1996	28	36	24	31	16	27	24	33	24	23	21	34	1	322
1997	33	27	24	28	27	21	16	25	19	19	23	16	1	279
1998	17	20	28	14	13	18	10	19	20	17	23	15	1	215
1999	15	22	20	10	13	16	21	22	18	16	11	20	3	207
2000	17	18	27	17	23	19	17	13	15	15	19	23	0	223
2001	16	18	15	13	18	11	11	18	12	23	15	22	0	192
2002	24	22	17	24	12	23	21	25	16	19	18	20	0	241
2003	18	23	17	24	18	23	17	19	11	13	17	24	1	225
2004	22	23	27	18	18	17	36	15	12	14	18	26	0	246
2005	31	16	16	25	18	23	25	18	13	14	20	18	0	237
2006	21	11	17	23	21	23	19	29	20	14	12	16	0	226
2007	24	14	20	18	26	24	24	18	24	22	20	17	0	251
2008	12	12	22	24	14	26	27	28	28	24	19	21	0	257
2009	12	18	12	15	14	16	13	16	3				0	119

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 9/30/09
By Dates of Diagnosis and Report 09/30/2009

2001	12	14	12	18	5	12	10	12	15	28	13	24	175
2002	19	18	18	31	19	21	12	27	19	30	16	9	239
2003	27	15	26	17	42	20	23	17	5	21	12	20	245
2004	19	20	41	29	15	21	23	16	12	14	12	13	235
2005	22	29	16	24	25	14	18	8	15	15	13	25	224
2006	12	22	15	14	16	33	19	20	28	14	14	16	223
2007	19	25	18	20	25	26	20	18	20	22	20	45	278
2008	12	19	14	18	15	23	25	25	29	25	22	20	247
2009	15	23	16	11	19	12	16	16	15				143

HARS Reporting S
Cumulative Deaths in Clark Co.

death	freq
	2740
1982: 1-12	1
1983: 1-12	3
1984: 1-12	2
1985: 1-12	11
1986: 1-12	18
1987: 1-12	40
1988: 1-12	57
1989: 1-12	75
1990: 1-12	85
1991: 1-12	124
1992: 1-12	148
1993: 1-12	162
1994: 1-12	229
1995: 1-12	212
1996: 1-12	143
1997: 1-12	109
1998: 1-12	99
1999: 1-12	111
2000: 1-12	90
2001: 1-12	77
2002: 1-12	93
2003: 1-12	104
2004: 1-12	99
2005: 1-12	107
2006: 1-12	91
2007: 1-12	118
2008: 1-12	68
2009: 1-12	38