

OFFICE OF AIDS



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

Surveillance Update

JUNE 2009



Acquired Immunodeficiency Syndrome (AIDS)
 Cumulative HIV Infections in Clark Co., NV through 6/30/09
 Surveillance Report - 07/01/2009

| 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 | 3539 (100) | 453 (13) | 23 (100) | 2 (9) | 3562 (100) | 455 (13) |
| Total | 3539 (100) | 453 (13) | 23 (100) | 2 (9) | 3562 (100) | 455 (13) |

| 2. Age * | Cases (%) | 3. Race/Ethnicity | Adult/Adolescent * | Pediatric * | Total |
|--------------|-------------------|---|--------------------|-----------------|-------------------|
| | | | Cases (%) | Cases (%) | Cases (%) |
| Under 5 | 21 (1) | Hispanic - All Races | 603 (17) | 4 (17) | 607 (17) |
| 5-12 | 2 (0) | Not Hispanic - Am. Indian/Alaska Native | 22 (1) | 0 (0) | 22 (1) |
| 13-19 | 80 (2) | Asian | 33 (1) | 0 (0) | 33 (1) |
| 20-29 | 1131 (32) | Black or African American | 900 (25) | 11 (48) | 911 (26) |
| 30-39 | 1311 (37) | Native Hawaiian/Pacific Is. | 11 (0) | 0 (0) | 11 (0) |
| 40-49 | 723 (20) | White | 1927 (54) | 8 (35) | 1935 (54) |
| Over 49 | 294 (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 | 3562 (100) | Total | 3539 (100) | 23 (100) | 3562 (100) |

| 4. Exposure Category | Adult/Adolescent Transmission Modes | | |
|--|-------------------------------------|------------------|-------------------|
| | Males (%) | Females (%) | Total (%) |
| Men who have sex with men | 1947 (67) | 0 (0) | 1947 (55) |
| Injecting drug use | 221 (8) | 115 (18) | 336 (9) |
| Men who have sex with men and inject drugs | 196 (7) | 0 (0) | 196 (6) |
| Hemophilia/coagulation disorder | 5 (0) | 0 (0) | 5 (0) |
| Heterosexual contact | 86 (3) | 347 (56) | 433 (12) |
| Receipt of blood, components, or tissue | 0 (0) | 1 (0) | 1 (0) |
| Risk not reported/Other | 460 (16) | 161 (26) | 621 (18) |
| Total | 2915 (100) | 624 (100) | 3539 (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 | 1116 (22) | 828 (74) | 7 (26) | 4 (57) | 1123 (22) | 832 (74) |
| Other Disease w/o PCP | 1167 (23) | 783 (67) | 19 (70) | 10 (53) | 1186 (23) | 793 (67) |
| KS Alone | 96 (2) | 63 (66) | 0 (0) | 0 (.) | 96 (2) | 63 (66) |
| No Diseases Listed | 2800 (54) | 809 (29) | 1 (4) | 0 (0) | 2801 (54) | 809 (29) |
| Total | 5179 (100) | 2483 (48) | 27 (100) | 14 (52) | 5206 (100) | 2497 (48) |

| 2. Age * | Cases (%) | 3. Race/Ethnicity | Adult/Adolescent * | Pediatric * | Total |
|----------|------------|---|--------------------|-------------|------------|
| | | | Cases (%) | Cases (%) | Cases (%) |
| Under 5 | 23 (0) | Hispanic - All Races | 883 (17) | 5 (19) | 888 (17) |
| 5-12 | 4 (0) | Not Hispanic - Am. Indian/Alaska Native | 31 (1) | 0 (0) | 31 (1) |
| 13-19 | 23 (0) | Asian | 39 (1) | 0 (0) | 39 (1) |
| 20-29 | 806 (15) | Black or African American | 1291 (25) | 12 (44) | 1303 (25) |
| 30-39 | 2110 (41) | Native Hawaiian/Pacific Is. | 12 (0) | 0 (0) | 12 (0) |
| 40-49 | 1502 (29) | White | 2859 (55) | 10 (37) | 2869 (55) |
| Over 49 | 738 (14) | Legacy Asian/Pacific Is. | 1 (0) | 0 (0) | 1 (0) |
| Unknown | 0 (0) | Multi-race | 63 (1) | 0 (0) | 63 (1) |
| Total | 5206 (100) | Unknown | 0 (0) | 0 (0) | 0 (0) |
| | | Total | 5179 (100) | 27 (100) | 5206 (100) |

| 4. Exposure Category | Adult/Adolescent Transmission Modes** | | |
|--|---------------------------------------|--------------|------------|
| | Males (%) | Females (%) | Total (%) |
| Men who have sex with men | 3284 (74) | 0 (0) | 3284 (63) |
| Injecting drug use | 529 (12) | 234 (32) | 763 (15) |
| Men who have sex with men and inject drugs | 372 (8) | 0 (0) | 372 (7) |
| Hemophilia/coagulation disorder | 5 (0) | 0 (0) | 5 (0) |
| Heterosexual contact | 142 (3) | 431 (59) | 573 (11) |
| Receipt of blood, components, or tissue | 8 (0) | 4 (1) | 12 (0) |
| Risk not reported/Other | 100 (2) | 64 (9) | 164 (3) |
| Total | 4440 (100) | 733 (100) | 5173 (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 | 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 | 69 | 43% |
| July-Dec | 118 | 57 | 48% |
| 1998 Jan -June | 111 | 47 | 42% |
| 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 | 37 | 30% |
| July-Dec | 119 | 33 | 28% |
| 2003 Jan -June | 123 | 29 | 24% |
| July-Dec | 101 | 26 | 26% |
| 2004 Jan -June | 125 | 28 | 22% |
| July-Dec | 121 | 25 | 21% |
| 2005 Jan -June | 129 | 23 | 18% |
| July-Dec | 109 | 21 | 19% |

| | | | |
|----------------|-------|-------|-------|
| 2006 Jan -June | 115 | 14 | 12% |
| July-Dec | 110 | 23 | 21% |
| 2007 Jan -June | 126 | 21 | 17% |
| July-Dec | 125 | 18 | 14% |
| 2008 Jan -June | 109 | 15 | 14% |
| July-Dec | 147 | 13 | 9% |
| 2009 Jan -June | 73 | 5 | 7% |
| July-Jul 1 | 0 | 0 | ---- |
| ----- | ----- | ----- | ----- |
| Totals | 5206 | 2497 | 48% |

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Cumulative AIDS Cases in Clark Co. NV through 6/30/09
By Dates of Diagnosis and Report

07/01/2009

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 | 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 | 23 | 18 | 23 | 17 | 19 | 11 | 13 | 17 | 24 | 1 | 224 |
| 2004 | 22 | 23 | 27 | 18 | 18 | 17 | 36 | 15 | 12 | 14 | 18 | 26 | 0 | 246 |
| 2005 | 31 | 16 | 16 | 25 | 18 | 23 | 26 | 18 | 13 | 14 | 20 | 18 | 0 | 238 |
| 2006 | 20 | 11 | 17 | 23 | 21 | 23 | 19 | 29 | 20 | 14 | 12 | 16 | 0 | 225 |
| 2007 | 24 | 14 | 20 | 18 | 26 | 24 | 24 | 18 | 24 | 22 | 20 | 17 | 0 | 251 |
| 2008 | 12 | 12 | 22 | 23 | 14 | 26 | 27 | 28 | 28 | 24 | 19 | 21 | 0 | 256 |
| 2009 | 11 | 18 | 12 | 15 | 12 | 5 | 0 | | | | | | 0 | 73 |

| 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 6/30/09
By Dates of Diagnosis and Report 07/01/2009

| | | | | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 2001 | 12 | 13 | 12 | 18 | 5 | 12 | 10 | 12 | 15 | 28 | 13 | 24 | 174 |
| 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 | 0 | | | | | | 96 |

HARS Reporting &
Cumulative Deaths in Clark Co.

| death | freq |
|------------|------|
| | 5449 |
| 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 | 70 |
| 2002: 1-12 | 89 |
| 2003: 1-12 | 108 |
| 2004: 1-12 | 116 |
| 2005: 1-12 | 118 |
| 2006: 1-12 | 105 |
| 2007: 1-12 | 132 |
| 2008: 1-12 | 72 |
| 2009: 1-12 | 25 |