

**OFFICE OF AIDS**



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

**Surveillance Update**

**DECEMBER 2006**



Acquired Immunodeficiency Syndrome (AIDS)  
 Cumulative HIV Infections in Clark Co., NV through 12/31/06  
 Surveillance Report - 12/28/2006

| 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    | 3221 (100)         | 246 ( 8)        | 21 (100)        | 1 ( 5)        | 3242 (100)        | 247 ( 8)        |
| <b>Total</b>          | <b>3221 (100)</b>  | <b>246 ( 8)</b> | <b>21 (100)</b> | <b>1 ( 5)</b> | <b>3242 (100)</b> | <b>247 ( 8)</b> |

| 2. Age *     | Cases ( %)        | 3. Race/Ethnicity                       | Adult/Adolescent * | Pediatric *     | Total             |
|--------------|-------------------|---|--------------------|-----------------|-------------------|
|              |                   |   | Cases ( %)         | Cases ( %)      | Cases ( %)        |
| Under 5      | 20 ( 1)           | Hispanic - All Races                    | 506 ( 16)          | 5 ( 24)         | 511 ( 16)         |
| 5-12         | 1 ( 0)            | Not Hispanic - Am. Indian/Alaska Native | 19 ( 1)            | 0 ( 0)          | 19 ( 1)           |
| 13-19        | 61 ( 2)           | Asian                                   | 20 ( 1)            | 0 ( 0)          | 20 ( 1)           |
| 20-29        | 1018 ( 31)        | Black or African American               | 809 ( 25)          | 9 ( 43)         | 818 ( 25)         |
| 30-39        | 1266 ( 39)        | Native Hawaiian/Pacific Is.             | 9 ( 0)             | 0 ( 0)          | 9 ( 0)            |
| 40-49        | 632 ( 19)         | White                                   | 1796 ( 56)         | 7 ( 33)         | 1803 ( 56)        |
| Over 49      | 244 ( 8)          | Legacy Asian/Pacific Is.                | 38 ( 1)            | 0 ( 0)          | 38 ( 1)           |
| Unknown      | 0 ( 0)            | Multi-race                              | 5 ( 0)             | 0 ( 0)          | 5 ( 0)            |
|              |                   | Unknown                                 | 19 ( 1)            | 0 ( 0)          | 19 ( 1)           |
| <b>Total</b> | <b>3242 (100)</b> | <b>Total</b>                            | <b>3221 (100)</b>  | <b>21 (100)</b> | <b>3242 (100)</b> |

| 4. Exposure Category                       | Adult/Adolescent Transmission Modes |                  |                   |
|--|-------------------------------------|------------------|-------------------|
|  | Males ( %)                          | Females ( %)     | Total ( %)        |
| Men who have sex with men                  | 1695 ( 64)                          | 0 ( 0)           | 1695 ( 53)        |
| Injecting drug use                         | 210 ( 8)                            | 120 ( 21)        | 330 ( 10)         |
| Men who have sex with men and inject drugs | 175 ( 7)                            | 0 ( 0)           | 175 ( 5)          |
| Hemophilia/coagulation disorder            | 5 ( 0)                              | 0 ( 0)           | 5 ( 0)            |
| Heterosexual contact                       | 57 ( 2)                             | 243 ( 42)        | 300 ( 9)          |
| Receipt of blood, components, or tissue    | 0 ( 0)                              | 2 ( 0)           | 2 ( 0)            |
| Risk not reported/Other                    | 507 ( 19)                           | 207 ( 36)        | 714 ( 22)         |
| <b>Total</b>                               | <b>2649 (100)</b>                   | <b>572 (100)</b> | <b>3221 (100)</b> |

|   | Pediatric Transmission Modes |                |                 |
|---|------------------------------|----------------|-----------------|
|   | Males ( %)                   | Females ( %)   | Total ( %)      |
| Hemophilia/coagulation disorder         | 0 ( 0)                       | 0 ( 0)         | 0 ( 0)          |
| Mother with/at risk for HIV infection   | 13 (100)                     | 8 (100)        | 21 (100)        |
| Receipt of blood, components, or tissue | 0 ( 0)                       | 0 ( 0)         | 0 ( 0)          |
| Risk not reported/Other                 | 0 ( 0)                       | 0 ( 0)         | 0 ( 0)          |
| <b>Total</b>                            | <b>13 (100)</b>              | <b>8 (100)</b> | <b>21 (100)</b> |

\* 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                   | 1082 ( 24)         | 784 ( 72)   | 7 ( 28)     | 4 ( 57)     | 1089 ( 24) | 788 ( 72)   |
| Other Disease w/o PCP | 1090 ( 24)         | 702 ( 64)   | 18 ( 72)    | 10 ( 56)    | 1108 ( 24) | 712 ( 64)   |
| KS Alone              | 88 ( 2)            | 55 ( 63)    | 0 ( 0)      | 0 ( .)      | 88 ( 2)    | 55 ( 63)    |
| No Diseases Listed    | 2278 ( 50)         | 538 ( 24)   | 0 ( 0)      | 0 ( .)      | 2278 ( 50) | 538 ( 24)   |
| Total                 | 4538 (100)         | 2079 ( 46)  | 25 (100)    | 14 ( 56)    | 4563 (100) | 2093 ( 46)  |

| 2. Age * | Cases ( %) | 3. Race/Ethnicity                       | Adult/Adolescent * | Pediatric * | Total      |
|----------|------------|---|--------------------|-------------|------------|
|          |            |   | Cases ( %)         | Cases ( %)  | Cases ( %) |
| Under 5  | 21 ( 0)    | Hispanic - All Races                    | 715 ( 16)          | 4 ( 16)     | 719 ( 16)  |
| 5-12     | 4 ( 0)     | Not Hispanic - Am. Indian/Alaska Native | 28 ( 1)            | 0 ( 0)      | 28 ( 1)    |
| 13-19    | 19 ( 0)    | Asian                                   | 20 ( 0)            | 0 ( 0)      | 20 ( 0)    |
| 20-29    | 708 ( 16)  | Black or African American               | 1112 ( 25)         | 11 ( 44)    | 1123 ( 25) |
| 30-39    | 1909 ( 42) | Native Hawaiian/Pacific Is.             | 5 ( 0)             | 0 ( 0)      | 5 ( 0)     |
| 40-49    | 1295 ( 28) | White                                   | 2601 ( 57)         | 10 ( 40)    | 2611 ( 57) |
| Over 49  | 607 ( 13)  | Legacy Asian/Pacific Is.                | 52 ( 1)            | 0 ( 0)      | 52 ( 1)    |
| Unknown  | 0 ( 0)     | Multi-race                              | 5 ( 0)             | 0 ( 0)      | 5 ( 0)     |
| Total    | 4563 (100) | Unknown                                 | 0 ( 0)             | 0 ( 0)      | 0 ( 0)     |
|          |            | Total                                   | 4538 (100)         | 25 (100)    | 4563 (100) |

| 4. Exposure Category                       | Adult/Adolescent Transmission Modes** |              |            |
|--|---------------------------------------|--------------|------------|
|  | Males ( %)                            | Females ( %) | Total ( %) |
| Men who have sex with men                  | 2819 ( 72)                            | 0 ( 0)       | 2819 ( 62) |
| Injecting drug use                         | 502 ( 13)                             | 215 ( 34)    | 717 ( 16)  |
| Men who have sex with men and inject drugs | 341 ( 9)                              | 0 ( 0)       | 341 ( 8)   |
| Hemophilia/coagulation disorder            | 4 ( 0)                                | 0 ( 0)       | 4 ( 0)     |
| Heterosexual contact                       | 78 ( 2)                               | 333 ( 52)    | 411 ( 9)   |
| Receipt of blood, components, or tissue    | 9 ( 0)                                | 6 ( 1)       | 15 ( 0)    |
| Risk not reported/Other                    | 143 ( 4)                              | 85 ( 13)     | 228 ( 5)   |
| Total                                      | 3896 (100)                            | 639 (100)    | 4535 (100) |

|   | Pediatric Transmission Modes |              |            |
|---|------------------------------|--------------|------------|
|   | Males ( %)                   | Females ( %) | Total ( %) |
| Hemophilia/coagulation disorder         | 0 ( 0)                       | 0 ( 0)       | 0 ( 0)     |
| Mother with/at risk for HIV infection   | 11 (100)                     | 15 ( 88)     | 26 ( 93)   |
| Receipt of blood, components, or tissue | 0 ( 0)                       | 2 ( 12)      | 2 ( 7)     |
| Risk not reported/Other                 | 0 ( 0)                       | 0 ( 0)       | 0 ( 0)     |
| Total                                   | 11 (100)                     | 17 (100)     | 28 (100)   |

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

\*\*3 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<br>of Diagnosis<br>----- | Number of<br>Cases<br>----- | Number of<br>Deaths<br>----- | Case-Fatality<br>Rate<br>----- |
|------------------------------------|-----------------------------|------------------------------|--------------------------------|
| Before 1990                        | 337                         | 305                          | 91%                            |
| 1990 Jan -June                     | 79                          | 71                           | 90%                            |
| July-Dec                           | 86                          | 73                           | 85%                            |
| 1991 Jan -June                     | 105                         | 88                           | 84%                            |
| July-Dec                           | 128                         | 106                          | 83%                            |
| 1992 Jan -June                     | 122                         | 102                          | 84%                            |
| July-Dec                           | 173                         | 136                          | 79%                            |
| 1993 Jan -June                     | 172                         | 132                          | 77%                            |
| July-Dec                           | 146                         | 108                          | 74%                            |
| 1994 Jan -June                     | 169                         | 113                          | 67%                            |
| July-Dec                           | 142                         | 87                           | 61%                            |
| 1995 Jan -June                     | 162                         | 94                           | 58%                            |
| July-Dec                           | 200                         | 94                           | 47%                            |
| 1996 Jan -June                     | 160                         | 62                           | 39%                            |
| July-Dec                           | 157                         | 50                           | 32%                            |
| 1997 Jan -June                     | 157                         | 58                           | 37%                            |
| July-Dec                           | 117                         | 44                           | 38%                            |
| 1998 Jan -June                     | 107                         | 34                           | 32%                            |
| July-Dec                           | 103                         | 33                           | 32%                            |
| 1999 Jan -June                     | 100                         | 24                           | 24%                            |
| July-Dec                           | 108                         | 23                           | 21%                            |
| 2000 Jan -June                     | 117                         | 29                           | 25%                            |
| July-Dec                           | 102                         | 24                           | 24%                            |
| 2001 Jan -June                     | 87                          | 20                           | 23%                            |
| July-Dec                           | 100                         | 24                           | 24%                            |
| 2002 Jan -June                     | 124                         | 29                           | 23%                            |
| July-Dec                           | 118                         | 26                           | 22%                            |
| 2003 Jan -June                     | 121                         | 19                           | 16%                            |
| July-Dec                           | 104                         | 19                           | 18%                            |
| 2004 Jan -June                     | 123                         | 14                           | 11%                            |
| July-Dec                           | 121                         | 18                           | 15%                            |
| 2005 Jan -June                     | 116                         | 9                            | 8%                             |
| July-Dec                           | 97                          | 11                           | 11%                            |

2006 Jan -June  
July-Dec 28

109  
94

6  
8

6%  
9%

-----  
Totals

-----  
4563

-----  
2093

-----  
46%

HARS Reporting System  
Cumulative Deaths in Clark Co., NV through 12/31/06

| death      | freq |
|------------|------|
|            | 4700 |
| .....      | 9    |
| 1987: 1-12 | 1    |
| 1988: 1-12 | 3    |
| 1989: 1-12 | 7    |
| 1990: 1-12 | 18   |
| 1991: 1-12 | 36   |
| 1992: 1-12 | 111  |
| 1993: 1-12 | 135  |
| 1994: 1-12 | 171  |
| 1995: 1-12 | 164  |
| 1996: 1-12 | 98   |
| 1997: 1-12 | 78   |
| 1998: 1-12 | 54   |
| 1999: 1-12 | 73   |
| 2000: 1-12 | 50   |
| 2001: 1-12 | 43   |
| 2002: 1-12 | 55   |
| 2003: 1-12 | 62   |
| 2004: 1-12 | 64   |
| 2005: 1-12 | 40   |
| 2006: 1-12 | 41   |

Cumulative AIDS Cases in Clark Co., NV through 12/31/06  
By Dates of Diagnosis and Report 12/28/2006

All Reported Cases

Date of Diagnosis

|      | Jan | Feb | Mar | Apr | May | Jun | Jly | Aug | Sep | Oct | Nov | Dec | Unk | Total |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 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 | 5   | 9   | 19  | 11  | 16  | 19  | 12  | 16  | 20  | 15  | 12  | 11  | 0   | 165   |
| 1991 | 19  | 19  | 14  | 15  | 21  | 17  | 16  | 23  | 29  | 17  | 19  | 24  | 0   | 233   |
| 1992 | 18  | 16  | 21  | 25  | 22  | 19  | 24  | 35  | 29  | 32  | 22  | 31  | 1   | 295   |
| 1993 | 28  | 28  | 37  | 32  | 25  | 22  | 28  | 22  | 30  | 15  | 24  | 27  | 0   | 318   |
| 1994 | 26  | 27  | 41  | 24  | 28  | 22  | 30  | 28  | 17  | 26  | 16  | 25  | 1   | 311   |
| 1995 | 21  | 21  | 35  | 24  | 34  | 26  | 21  | 44  | 26  | 46  | 34  | 29  | 1   | 362   |
| 1996 | 28  | 35  | 24  | 31  | 16  | 25  | 24  | 32  | 24  | 23  | 21  | 33  | 1   | 317   |
| 1997 | 34  | 27  | 24  | 26  | 27  | 18  | 16  | 23  | 19  | 20  | 23  | 16  | 1   | 274   |
| 1998 | 16  | 20  | 27  | 14  | 12  | 17  | 9   | 19  | 20  | 17  | 23  | 15  | 1   | 210   |
| 1999 | 15  | 22  | 21  | 10  | 13  | 16  | 22  | 21  | 17  | 16  | 11  | 21  | 3   | 208   |
| 2000 | 17  | 17  | 25  | 16  | 22  | 20  | 17  | 14  | 15  | 14  | 19  | 23  | 0   | 219   |
| 2001 | 15  | 17  | 14  | 13  | 17  | 11  | 10  | 18  | 12  | 22  | 16  | 22  | 0   | 187   |
| 2002 | 25  | 22  | 18  | 24  | 12  | 23  | 21  | 25  | 15  | 19  | 18  | 20  | 0   | 242   |
| 2003 | 18  | 22  | 18  | 21  | 18  | 23  | 20  | 18  | 11  | 13  | 17  | 25  | 1   | 225   |
| 2004 | 21  | 23  | 26  | 18  | 19  | 16  | 36  | 17  | 12  | 15  | 17  | 24  | 0   | 244   |
| 2005 | 26  | 14  | 15  | 24  | 17  | 20  | 20  | 17  | 13  | 14  | 18  | 15  | 0   | 213   |
| 2006 | 19  | 11  | 16  | 23  | 18  | 22  | 19  | 29  | 17  | 14  | 10  | 5   | 0   | 203   |

Date of Report

|      | Jan | Feb | Mar | Apr | May | Jun | Jly | Aug | Sep | Oct | Nov | Dec | Total |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 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  | 10  | 15  | 15  | 14  | 9   | 10  | 137   |
| 1991 | 11  | 16  | 12  | 12  | 15  | 18  | 11  | 18  | 16  | 18  | 21  | 16  | 184   |
| 1992 | 10  | 7   | 14  | 18  | 11  | 11  | 10  | 12  | 23  | 17  | 23  | 28  | 184   |
| 1993 | 98  | 42  | 39  | 44  | 22  | 26  | 29  | 27  | 10  | 31  | 16  | 16  | 400   |
| 1994 | 30  | 29  | 33  | 29  | 23  | 29  | 18  | 31  | 28  | 21  | 26  | 16  | 313   |
| 1995 | 23  | 16  | 42  | 25  | 27  | 35  | 14  | 26  | 27  | 42  | 17  | 27  | 321   |
| 1996 | 36  | 17  | 41  | 19  | 19  | 29  | 37  | 23  | 27  | 22  | 24  | 30  | 324   |
| 1997 | 33  | 22  | 18  | 26  | 29  | 18  | 16  | 34  | 29  | 28  | 27  | 117 | 397   |
| 1998 | 14  | 16  | 25  | 19  | 8   | 19  | 12  | 13  | 15  | 15  | 15  | 18  | 189   |
| 1999 | 18  | 31  | 12  | 13  | 10  | 8   | 25  | 20  | 17  | 20  | 14  | 11  | 199   |
| 2000 | 18  | 11  | 21  | 21  | 38  | 14  | 18  | 18  | 16  | 15  | 9   | 29  | 228   |
| 2001 | 12  | 13  | 11  | 17  | 5   | 11  | 9   | 12  | 15  | 28  | 13  | 25  | 171   |
| 2002 | 19  | 18  | 19  | 31  | 19  | 21  | 12  | 27  | 19  | 29  | 16  | 9   | 239   |
| 2003 | 27  | 15  | 25  | 17  | 42  | 19  | 25  | 18  | 6   | 21  | 12  | 20  | 247   |

Cumulative AIDS Cases in Clark Co., NV through 12/31/06  
By Dates of Diagnosis and Report 12/28/2006

|      |    |    |    |    |    |    |    |    |    |    |    |    |     |
|------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 2004 | 19 | 20 | 41 | 29 | 16 | 20 | 26 | 17 | 12 | 14 | 13 | 13 | 240 |
| 2005 | 22 | 29 | 17 | 24 | 24 | 14 | 14 | 7  | 12 | 14 | 12 | 21 | 210 |
| 2006 | 11 | 22 | 15 | 14 | 17 | 32 | 19 | 19 | 28 | 15 | 15 | 16 | 223 |