

# AIDS: Summary of Houston/Harris County Cases

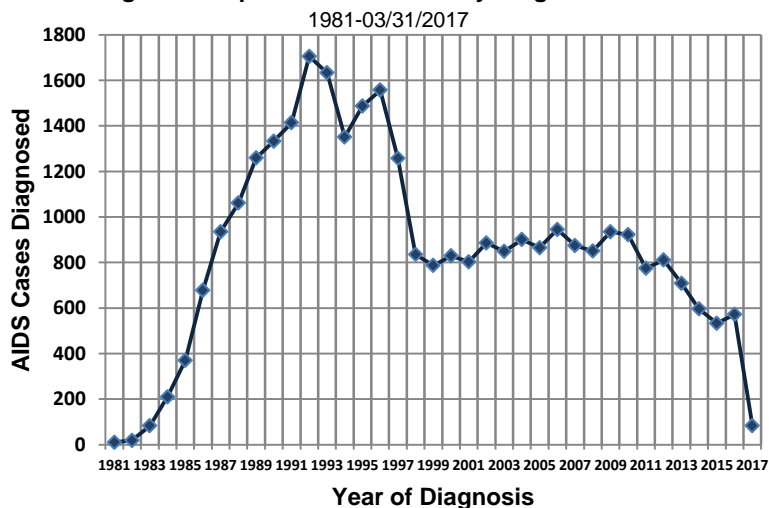
## Cumulative - Reported 1981-03/31/2017

**Table 1: Reported AIDS Cases by Race/Ethnicity, Sex and Age at Diagnosis**

| Sex                         | White<br>Non-Hispanic | Black<br>Non-Hispanic | All Races<br>Hispanic | Others*   | Total       |
|-----------------------------|-----------------------|-----------------------|-----------------------|-----------|-------------|
| <b>Males</b>                |                       |                       |                       |           |             |
| <b>Age (Years)</b>          | Cases (%)             | Cases (%)             | Cases (%)             | Cases (%) | Cases (%)   |
| 00-04                       | 9 (0)                 | 42 (0)                | 13 (0)                | 1 (0)     | 65 (0)      |
| 05-12                       | 4 (0)                 | 8 (0)                 | 4 (0)                 | 0 (0)     | 16 (0)      |
| 13-19                       | 19 (0)                | 119 (1)               | 44 (1)                | 5 (1)     | 187 (1)     |
| 20-29                       | 1639 (15)             | 2005 (22)             | 1330 (24)             | 109 (21)  | 5083 (20)   |
| 30-39                       | 4756 (45)             | 3205 (36)             | 2382 (43)             | 187 (37)  | 10530 (41)  |
| 40-49                       | 2911 (27)             | 2324 (26)             | 1202 (22)             | 137 (27)  | 6574 (26)   |
| Over 49                     | 1269 (12)             | 1309 (15)             | 530 (10)              | 69 (14)   | 3177 (12)   |
| <b>Total</b>                | 10607 (100)           | 9012 (100)            | 5505 (100)            | 508 (100) | 25632 (100) |
| <b>Percent of row total</b> | (41)                  | (35)                  | (21)                  | (2)       | (100)       |
| <b>Females</b>              |                       |                       |                       |           |             |
| <b>Age (Years)</b>          | Cases (%)             | Cases (%)             | Cases (%)             | Cases (%) | Cases (%)   |
| 00-04                       | 4 (1)                 | 39 (1)                | 19 (2)                | 2 (1)     | 64 (1)      |
| 05-12                       | 2 (0)                 | 12 (0)                | 3 (0)                 | 0 (0)     | 17 (0)      |
| 13-19                       | 14 (2)                | 105 (3)               | 20 (2)                | 9 (6)     | 148 (2)     |
| 20-29                       | 164 (23)              | 1022 (24)             | 236 (23)              | 28 (18)   | 1450 (24)   |
| 30-39                       | 245 (34)              | 1485 (35)             | 359 (35)              | 55 (36)   | 2144 (35)   |
| 40-49                       | 188 (26)              | 998 (24)              | 239 (23)              | 37 (24)   | 1462 (24)   |
| Over 49                     | 110 (15)              | 529 (13)              | 147 (14)              | 22 (14)   | 808 (13)    |
| <b>Total</b>                | 727 (100)             | 4190 (100)            | 1023 (100)            | 153 (100) | 6093 (100)  |
| <b>Percent of row total</b> | (12)                  | (69)                  | (17)                  | (3)       | (100)       |
| <b>All Sexes</b>            |                       |                       |                       |           |             |
| <b>Age (Years)</b>          | Cases (%)             | Cases (%)             | Cases (%)             | Cases (%) | Cases (%)   |
| 00-04                       | 13 (0)                | 81 (1)                | 32 (0)                | 3 (0)     | 129 (0)     |
| 05-12                       | 6 (0)                 | 20 (0)                | 7 (0)                 | 0 (0)     | 33 (0)      |
| 13-19                       | 33 (0)                | 224 (2)               | 64 (1)                | 14 (2)    | 335 (1)     |
| 20-29                       | 1803 (16)             | 3027 (23)             | 1566 (24)             | 137 (21)  | 6533 (21)   |
| 30-39                       | 5001 (44)             | 4690 (36)             | 2741 (42)             | 242 (37)  | 12674 (40)  |
| 40-49                       | 3099 (27)             | 3322 (25)             | 1441 (22)             | 174 (26)  | 8036 (25)   |
| Over 49                     | 1379 (12)             | 1838 (14)             | 677 (10)              | 91 (14)   | 3985 (13)   |
| <b>Total</b>                | 11334 (100)           | 13202 (100)           | 6528 (100)            | 661 (100) | 31725 (100) |
| <b>Percent of row total</b> | (36)                  | (42)                  | (21)                  | (2)       | (0)         |

\*Others: Multi-races and other races.

**Figure 1: Reported AIDS Cases by Diagnosis Year**



**Table 2: Reported AIDS Cases by City of Residence at Diagnosis**

| City          | Cases        | (%)            |
|---------------|--------------|----------------|
| Houston       | 29207        | (92.1)         |
| Baytown       | 254          | (0.8)          |
| Bellaire      | 92           | (0.3)          |
| Humble        | 351          | (1.1)          |
| Katy          | 232          | (0.7)          |
| Pasadena      | 447          | (1.4)          |
| Spring        | 270          | (0.9)          |
| Other Cities* | 872          | (2.7)          |
| <b>Total</b>  | <b>31725</b> | <b>(100.0)</b> |

\*Includes Channelview, Crosby, Galena Park, Kingwood, La Porte, Missouri City, Seabrook, South Houston, Tomball, Webster, & others.

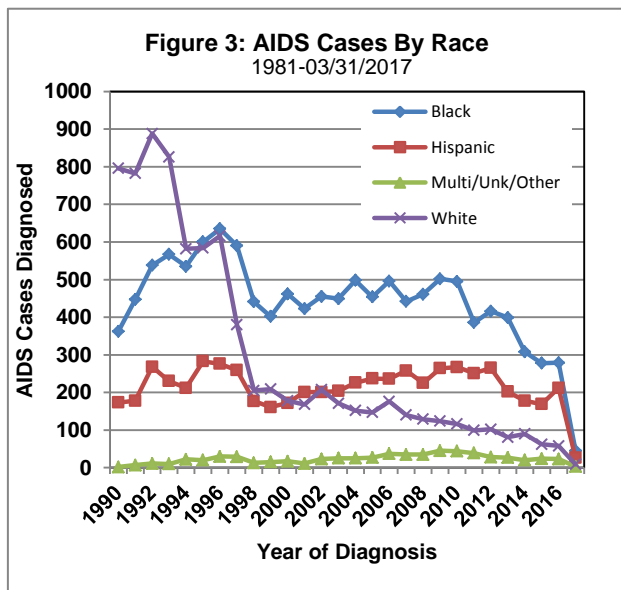
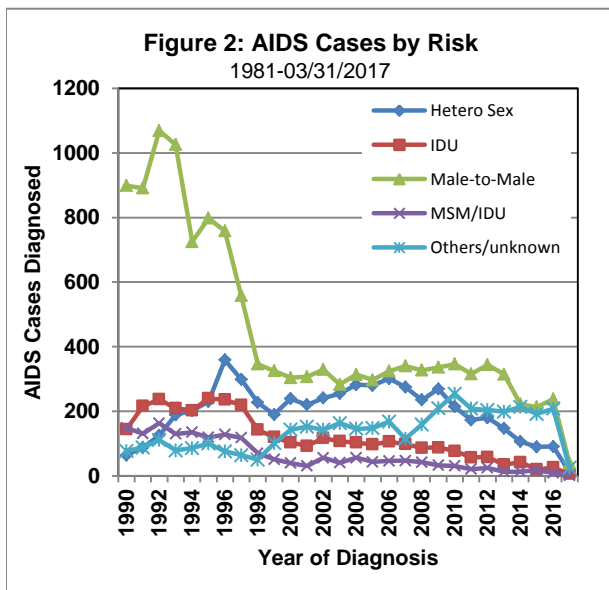
**Table 3: Reported AIDS Cases by Mortality Status**

| Status          | Cases        | (%)            |
|-----------------|--------------|----------------|
| Presumed living | 13828        | (43.6)         |
| Deceased        | 17897        | (56.4)         |
| <b>Total</b>    | <b>31725</b> | <b>(100.0)</b> |

**Table 4. Reported AIDS Cases by Race/Ethnicity, Sex and Identified Risk**

| Sex                            | White        |               | Black        |               | All Races   |              | Others*      |              | Total        |              |
|--------------------------------|--------------|---------------|--------------|---------------|-------------|--------------|--------------|--------------|--------------|--------------|
|                                | Non-Hispanic |               | Non-Hispanic |               | Hispanic    |              | Non-Hispanic |              |              |              |
| <b>Males</b>                   |              |               |              |               |             |              |              |              |              |              |
| Risk                           | Cases        | (%)           | Cases        | (%)           | Cases       | (%)          | Cases        | (%)          | Cases        | (%)          |
| Male to Male Sexual Contact    | 8295         | (78)          | 4112         | (46)          | 3421        | (62)         | 266          | (52)         | 16094        | (63)         |
| Injection Drug Use (IDU)       | 446          | (4)           | 1356         | (15)          | 321         | (6)          | 38           | (7)          | 2161         | (8)          |
| Male to Male Sex & IDU         | 1110         | (10)          | 767          | (9)           | 318         | (6)          | 43           | (8)          | 2238         | (9)          |
| Hemophilia                     | 24           | (4)           | 11           | (8)           | 15          | (4)          | 2            | (0)          | 52           | (0)          |
| Heterosexual Contact           | 215          | (19)          | 1470         | (119)         | 623         | (44)         | 70           | (14)         | 2378         | (9)          |
| Blood Transfusion              | 44           | (1639)        | 8            | (2005)        | 6           | (1330)       | 2            | (0)          | 60           | (0)          |
| Mother with HIV                | 8            | (4756)        | 56           | (3205)        | 15          | (2382)       | 2            | (0)          | 81           | (0)          |
| Other/Undetermined             | 465          | (2911)        | 1232         | (2324)        | 786         | (1202)       | 85           | (17)         | 2568         | (10)         |
| <b>Total</b>                   | <b>10607</b> | <b>(1269)</b> | <b>9012</b>  | <b>(1309)</b> | <b>5505</b> | <b>(530)</b> | <b>508</b>   | <b>(100)</b> | <b>25632</b> | <b>(100)</b> |
| <b>Percent of column total</b> | <b>(94)</b>  |               | <b>(68)</b>  |               | <b>(84)</b> |              | <b>(77)</b>  |              | <b>(81)</b>  |              |
| <b>Females</b>                 |              |               |              |               |             |              |              |              |              |              |
| Risk                           | Cases        | (%)           | Cases        | (%)           | Cases       | (%)          | Cases        | (%)          | Cases        | (%)          |
| Injection Drug Use (IDU)       | 267          | (37)          | 993          | (24)          | 120         | (12)         | 21           | (14)         | 1401         | (23)         |
| Hemophilia                     | 0            | (0)           | 1            | (0)           | 1           | (17)         | 0            | (0)          | 2            | (0)          |
| Heterosexual Contact           | 320          | (44)          | 2276         | (54)          | 634         | (5)          | 85           | (56)         | 3315         | (54)         |
| Blood Transfusion              | 22           | (3)           | 8            | (0)           | 10          | (17)         | 0            | (0)          | 40           | (1)          |
| Mother with HIV                | 4            | (1)           | 67           | (2)           | 24          | (225)        | 4            | (3)          | 99           | (2)          |
| Other/Undetermined             | 114          | (16)          | 845          | (20)          | 234         | (323)        | 43           | (28)         | 1236         | (20)         |
| <b>Total</b>                   | <b>727</b>   | <b>(100)</b>  | <b>4190</b>  | <b>(100)</b>  | <b>1023</b> | <b>(215)</b> | <b>153</b>   | <b>(100)</b> | <b>6093</b>  | <b>(100)</b> |
| <b>Percent of column total</b> | <b>(6)</b>   |               | <b>(32)</b>  |               | <b>(16)</b> |              | <b>(23)</b>  |              | <b>(19)</b>  |              |
| <b>All Sexes</b>               |              |               |              |               |             |              |              |              |              |              |
| Risk                           | Cases        | (%)           | Cases        | (%)           | Cases       | (%)          | Cases        | (%)          | Cases        | (%)          |
| Male to Male Sexual Contact    | 8295         | (73)          | 4112         | (31)          | 3421        | (52)         | 266          | (40)         | 16094        | (51)         |
| Injection Drug Use (IDU)       | 713          | (6)           | 2349         | (18)          | 441         | (7)          | 59           | (9)          | 3562         | (11)         |
| Male to Male Sex & IDU         | 1110         | (10)          | 767          | (6)           | 318         | (5)          | 43           | (7)          | 2238         | (7)          |
| Hemophilia                     | 24           | (0)           | 12           | (0)           | 16          | (0)          | 2            | (0)          | 54           | (0)          |
| Heterosexual Contact           | 535          | (5)           | 3746         | (28)          | 1257        | (19)         | 155          | (23)         | 5693         | (18)         |
| Blood Transfusion              | 66           | (1)           | 16           | (0)           | 16          | (0)          | 2            | (0)          | 100          | (0)          |
| Mother with HIV                | 12           | (0)           | 123          | (1)           | 39          | (1)          | 6            | (1)          | 180          | (1)          |
| Other/Undetermined             | 579          | (5)           | 2077         | (16)          | 1020        | (16)         | 128          | (19)         | 3804         | (12)         |
| <b>Total</b>                   | <b>11334</b> | <b>(100)</b>  | <b>13202</b> | <b>(100)</b>  | <b>6528</b> | <b>(100)</b> | <b>661</b>   | <b>(100)</b> | <b>31725</b> | <b>(100)</b> |

\*Others: Multi-races and other races.



Note: Totals for all categories presented may change due to reporting delays or reclassification.

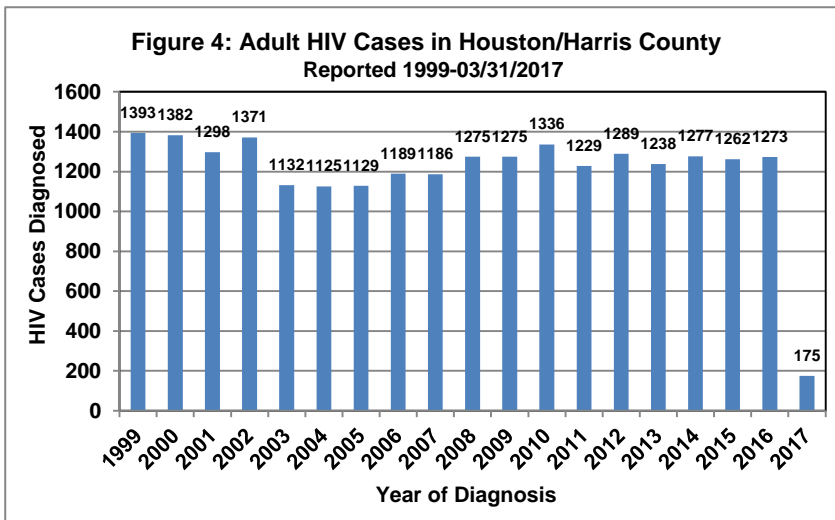
# HIV: Summary of Adult\* Reportable Houston/Harris County Cases

## Cumulative - Reported 1999-03/31/2017

**Table 5: Reported HIV Cases, Regardless of AIDS Status, by Race/Ethnicity, Sex and Age at Diagnosis**

| Sex            |                             | White Non-Hispanic |       | Black Non-Hispanic |       | All Races Hispanic |       | Others** Non-Hispanic |       | Total |       |
|----------------|-----------------------------|--------------------|-------|--------------------|-------|--------------------|-------|-----------------------|-------|-------|-------|
| <b>Males</b>   | <b>Age Group</b>            | Cases              | %     | Cases              | %     | Cases              | %     | Cases                 | %     | Cases | (%)   |
|                | 13-19                       | 52                 | (1)   | 512                | (6)   | 213                | (4)   | 23                    | (3)   | 800   | (4)   |
|                | 20-29                       | 1048               | (24)  | 3087               | (35)  | 2120               | (35)  | 248                   | (35)  | 6503  | (33)  |
|                | 30-39                       | 1567               | (36)  | 2529               | (29)  | 2118               | (35)  | 248                   | (35)  | 6462  | (32)  |
|                | 40-49                       | 1103               | (25)  | 1683               | (19)  | 1062               | (18)  | 135                   | (19)  | 3983  | (20)  |
|                | over 49                     | 593                | (14)  | 1011               | (11)  | 473                | (8)   | 62                    | (9)   | 2139  | (11)  |
|                | <b>Total</b>                | 4363               | (100) | 8822               | (100) | 5986               | (100) | 716                   | 60    | 19887 | (100) |
|                | <b>Percent of row total</b> |                    | (22)  |                    | (44)  |                    | (30)  |                       | (4)   |       | (100) |
| <b>Females</b> | <b>Age Group</b>            | Cases              | (%)   | Cases              | (%)   | Cases              | (%)   | Cases                 | (%)   | Cases | (%)   |
|                | 13-19                       | 35                 | (6)   | 427                | (9)   | 80                 | (7)   | 27                    | (11)  | 569   | (8)   |
|                | 20-29                       | 153                | (24)  | 1650               | (33)  | 388                | (32)  | 81                    | (34)  | 2272  | (32)  |
|                | 30-39                       | 190                | (30)  | 1450               | (29)  | 376                | (31)  | 75                    | (31)  | 2091  | (30)  |
|                | 40-49                       | 153                | (24)  | 872                | (18)  | 219                | (18)  | 38                    | (16)  | 1282  | (18)  |
|                | over 49                     | 96                 | (15)  | 541                | (11)  | 158                | (13)  | 20                    | (8)   | 815   | (12)  |
|                | <b>Total</b>                | 627                | (100) | 4940               | (100) | 1221               | (100) | 241                   | 46    | 7029  | (100) |
|                | <b>Percent of row total</b> |                    | (9)   |                    | (70)  |                    | (17)  |                       | (3)   |       | (100) |
| <b>All</b>     | <b>Age Group</b>            | Cases              | (%)   | Cases              | (%)   | Cases              | (%)   | Cases                 | (%)   | Cases | (%)   |
|                | 13-19                       | 87                 | (2)   | 939                | (7)   | 293                | (4)   | 50                    | (5)   | 1369  | (5)   |
|                | 20-29                       | 1201               | (24)  | 4737               | (34)  | 2508               | (35)  | 329                   | (34)  | 8775  | (33)  |
|                | 30-39                       | 1757               | (35)  | 3979               | (29)  | 2494               | (35)  | 323                   | (34)  | 8553  | (32)  |
|                | 40-49                       | 1256               | (25)  | 2555               | (19)  | 1281               | (18)  | 173                   | (18)  | 5265  | (20)  |
|                | over 49                     | 689                | (14)  | 1552               | (11)  | 631                | (9)   | 82                    | (9)   | 2954  | (11)  |
|                | <b>Total</b>                | 4990               | (100) | 13762              | (100) | 7207               | (100) | 957                   | (100) | 26916 | (100) |
|                | <b>Percent of row total</b> |                    | (19)  |                    | (51)  |                    | (27)  |                       | (4)   |       | (100) |

\*\*Others: Multi-races and other races.



HIV became reportable in 1999. The year of diagnosis in Fig. 4 is the year of the earliest known test and may not be the same year as the reportable test. Reportable tests with diagnosis year before 1999 are not displayed in Fig. 4.

Editorial Note: Total for all categories presented may change due to reporting delays.

\*Adult cases defined as 13 years of age and older.

**Table 6: Reported Adult HIV Cases by City of Residence at Diagnosis**

| CITY         | Cases        | (%)          |
|--------------|--------------|--------------|
| Houston      | 24327        | 90.4         |
| Baytown      | 226          | 0.8          |
| Katy         | 278          | 1.0          |
| Humble       | 507          | 1.9          |
| Pasadena     | 352          | 1.3          |
| Spring       | 321          | 1.2          |
| Others*      | 905          | 3.4          |
| <b>TOTAL</b> | <b>26916</b> | <b>100.0</b> |

\*Includes Bellaire, Channelview, Clear Lake City, Crosby, Cypress, Galena Park, Highlands, Huffman, Dear Park, Kingwood, La Porte, Seabrook, South Houston, Tomball and others.

**Table 7: Reported Adult HIV Cases by Mortality Status**

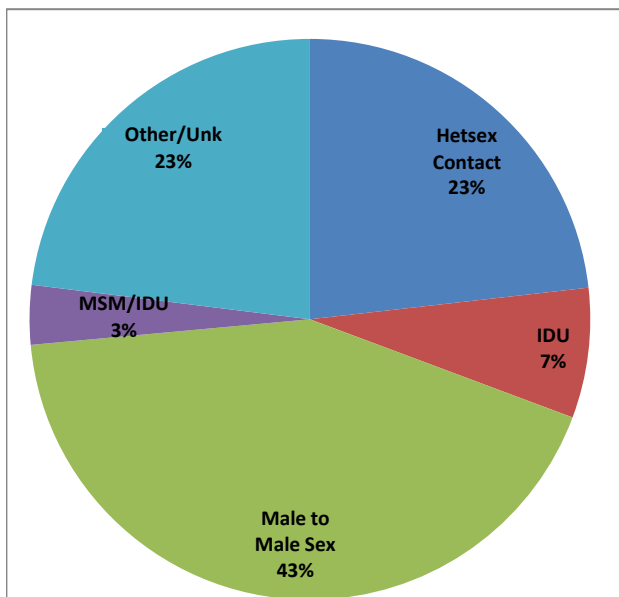
| Status          | Cases        | (%)          |
|-----------------|--------------|--------------|
| Presumed Living | 22161        | 82.3         |
| Deceased        | 4755         | 17.7         |
| <b>Total</b>    | <b>26916</b> | <b>100.0</b> |

**Table 8: Reported HIV Cases, Regardless of AIDS Status, by Race/Ethnicity, Sex and Identified Risk**

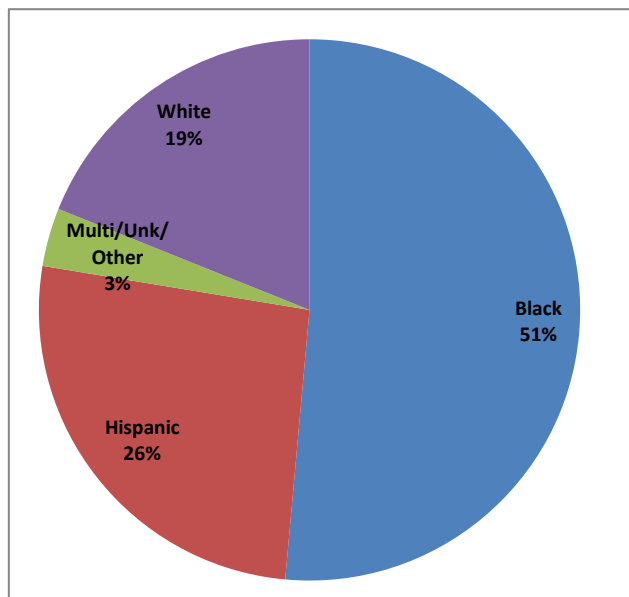
| Sex                            | White        |              | Black        |              | ALL Races   |              | Others*      |              | Total        |              |
|--------------------------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|
|                                | Non-Hispanic |              | Non-Hispanic |              | Hispanic    |              | Non-Hispanic |              |              |              |
| <b>Males</b>                   |              |              |              |              |             |              |              |              |              |              |
| Risk                           | Cases        | (%)          | Cases        | (%)          | Cases       | (%)          | Cases        | (%)          | Cases        | (%)          |
| Male to Male Sexual Contact    | 3192         | (73)         | 4243         | (48)         | 3796        | (63)         | 437          | (61)         | 11668        | (59)         |
| Injection Drug Use (IDU)       | 177          | (4)          | 703          | (8)          | 169         | (3)          | 42           | (6)          | 1091         | (5)          |
| Male to Male Sex & IDU         | 296          | (7)          | 388          | (4)          | 172         | (3)          | 36           | (5)          | 892          | (4)          |
| Heterosexual Contact           | 145          | (3)          | 1430         | (16)         | 599         | (10)         | 70           | (10)         | 2244         | (11)         |
| Other/Undetermined             | 553          | (13)         | 2058         | (23)         | 1250        | (21)         | 131          | (18)         | 3992         | (20)         |
| <b>Total</b>                   | <b>4363</b>  | <b>(100)</b> | <b>8822</b>  | <b>(100)</b> | <b>5986</b> | <b>(100)</b> | <b>716</b>   | <b>(100)</b> | <b>19887</b> | <b>(100)</b> |
| <b>Percent of column total</b> |              | <b>(87)</b>  |              | <b>(64)</b>  |             | <b>(83)</b>  |              | <b>(75)</b>  |              | <b>(74)</b>  |
| <b>Females</b>                 |              |              |              |              |             |              |              |              |              |              |
| Risk                           | Cases        | (%)          | Cases        | (%)          | Cases       | (%)          | Cases        | (%)          | Cases        | (%)          |
| Injection Drug Use (IDU)       | 163          | (26)         | 589          | (12)         | 73          | (6)          | 23           | (10)         | 848          | (12)         |
| Heterosexual Contact           | 272          | (43)         | 2669         | (54)         | 743         | (61)         | 130          | (54)         | 3814         | (54)         |
| Other/Undetermined             | 192          | (31)         | 1682         | (34)         | 405         | (33)         | 88           | (37)         | 2367         | (34)         |
| <b>Total</b>                   | <b>627</b>   | <b>(100)</b> | <b>4940</b>  | <b>(100)</b> | <b>1221</b> | <b>(100)</b> | <b>241</b>   | <b>(100)</b> | <b>7029</b>  | <b>(100)</b> |
| <b>Percent of column total</b> |              | <b>(13)</b>  |              | <b>(36)</b>  |             | <b>(17)</b>  |              | <b>(25)</b>  |              | <b>(26)</b>  |
| <b>All Sexes</b>               |              |              |              |              |             |              |              |              |              |              |
| Risk                           | Cases        | (%)          | Cases        | (%)          | Cases       | (%)          | Cases        | (%)          | Cases        | (%)          |
| Male to Male Sexual Contact    | 3192         | (64)         | 4243         | (31)         | 3796        | (53)         | 437          | (46)         | 11668        | (43)         |
| Injection Drug Use (IDU)       | 340          | (7)          | 1292         | (9)          | 242         | (3)          | 65           | (7)          | 1939         | (7)          |
| Male to Male Sex & IDU         | 296          | (6)          | 388          | (3)          | 172         | (2)          | 36           | (4)          | 892          | (3)          |
| Heterosexual Contact           | 417          | (8)          | 4099         | (30)         | 1342        | (19)         | 200          | (21)         | 6058         | (23)         |
| Other/Undetermined             | 745          | (15)         | 3740         | (27)         | 1655        | (23)         | 219          | (23)         | 6359         | (24)         |
| <b>Total</b>                   | <b>4990</b>  | <b>(100)</b> | <b>13762</b> | <b>(100)</b> | <b>7207</b> | <b>(100)</b> | <b>957</b>   | <b>(100)</b> | <b>26916</b> | <b>(100)</b> |

\*Others: Multi-races and other races.

**Figure 5: Reported Adult HIV cases in Houston/ Harris Co., By Identified Risk 1/1/1999-03/31/2017**



**Figure 6: Reported Adult HIV Cases in Houston/ Harris Co., By Race/Ethnicity 1/1/1999-03/31/2017**



Editorial Note: Totals for all categories presented may change due to reporting delays.

### Notes on HIV and AIDS categories

HIV became a reportable condition in Texas in 1999 when positive HIV Western blots performed after 1998 became reportable. In the year 2000, the case definition was expanded to include any detectable HIV viral load performed after 1999. So Houston/Harris County began reporting HIV in 1999. During the investigation of a positive HIV report, an earlier HIV diagnosis date may be discovered. An HIV case may be reported in 1999, but the HIV diagnosis date may be an earlier date such as 1994. Thus, the sum of all HIV cases reported from 1999 forward (the total number in Table 5) does not equal the sum of the HIV cases diagnosed from 1999 forward (the sum of the cases shown in Fig. 4).

As reported in this quarterly report, HIV and AIDS categories are not mutually exclusive categories. If a person has a reportable HIV test after 1998, the person will be counted as an HIV case, regardless of AIDS status. If the same person subsequently develops AIDS, the person will continue to be counted as an HIV case, regardless of AIDS status, but in addition be counted as an AIDS case. Thus, one cannot add the HIV and AIDS cases together to compute the number of cases of HIV or AIDS.

### Interstate Duplication Evaluation Project (IDEP)

In October 2004, the state health departments and the CDC evaluated and resolved interstate duplication of HIV and AIDS case reports submitted to the national database. Less than 1% of the HIV-only cases and less than 2% of the AIDS cases were found to be duplicates in the Houston/Harris Co. database as a result of the IDEP project. Now the state health departments together with the CDC periodically compare cases, and evaluate and resolve interstate duplication of reporting.

### Note on Heterosexual Contact Risk Category

The heterosexual contact risk category refers to heterosexual contact with people known to have HIV or at high risk for HIV (bisexual men or IDU).