

REVISED AS OF JANUARY 25, 2008

**TABLE 1: Characteristics of BERRIEN CO. Residents Living with HIV or AIDS as of October 1, 2007**

|                              | Estimate of HIV Prevalence <sup>1</sup> | Reported Living with AIDS <sup>2</sup> |         | Reported Living with HIV not AIDS <sup>2</sup> |         |
|------------------------------|---|--|---------|--|---------|
|                              |   | Number                                 | Percent | Number   | Percent |
| BERRIEN CO. TOTAL            | <b>300</b>                              | 123                                    | 100%    | 97   | 100%    |
| <b>SEX</b>                   |   |  |         |  |         |
| Male                         | <b>180</b>                              | 71                                     | 58%     | 59   | 61%     |
| Female                       | <b>120</b>                              | 52                                     | 42%     | 38   | 39%     |
| <b>BEHAVIOR</b>              |   |  |         |  |         |
| Male-Male sex                | <b>70</b>                               | 31                                     | 25%     | 18   | 19%     |
| Injecting Drug Use           | <b>20</b>                               | 7                                      | 6%      | 8  | 8%      |
| Male-Male Sex/IDU            | <b>10</b>                               | <5                                     | *       | <5   | *       |
| Blood Products               | <b>10</b>                               | 0                                      | 0%      | <5   | *       |
| Heterosexual <sup>3</sup>    | <b>110</b>                              | 44                                     | 36%     | 37   | 38%     |
| HRH                          | <b>80</b>                               | 33                                     | 27%     | 28   | 29%     |
| PH-Female                    | <b>30</b>                               | 11                                     | 9%      | 9  | 9%      |
| Perinatal                    | <b>10</b>                               | <5                                     | *       | <5   | *       |
| Undetermined <sup>4</sup>    | <b>80</b>                               | 36                                     | 29%     | 26   | 27%     |
| PH-Male                      | <b>50</b>                               | 21                                     | 17%     | 15   | 15%     |
| Unknown                      | <b>40</b>                               | 15                                     | 12%     | 11   | 11%     |
| <b>AGE AT HIV DIAGNOSIS</b>  |   |  |         |  |         |
| 0 -12 years                  | <b>10</b>                               | <5                                     | *       | <5   | *       |
| 13 -19 years                 | <b>20</b>                               | <5                                     | *       | 7  | 7%      |
| 20 -24 years                 | <b>30</b>                               | 14                                     | 11%     | 9  | 9%      |
| 25 -29 years                 | <b>50</b>                               | 20                                     | 16%     | 13   | 13%     |
| 30 -39 years                 | <b>120</b>                              | 45                                     | 37%     | 44   | 45%     |
| 40 -49 years                 | <b>60</b>                               | 30                                     | 24%     | 17   | 18%     |
| 50 -59 years                 | <b>10</b>                               | 7                                      | 6%      | <5   | *       |
| 60 years and over            | <b>10</b>                               | <5                                     | *       | <5   | *       |
| Unspecified                  | Not Applicable                          | 0                                      | 0%      | 0  | 0%      |
| <b>RACE / ETHNICITY</b>      |   |  |         |  |         |
| White, Non-Hisp.             | <b>90</b>                               | 41                                     | 33%     | 23   | 24%     |
| Black, Non-Hisp.             | <b>200</b>                              | 76                                     | 62%     | 70   | 72%     |
| Hispanic                     | <b>10</b>                               | 6                                      | 5%      | <5   | *       |
| Asian                        | <b>10</b>                               | 0                                      | 0%      | 0  | 0%      |
| American Indian              | <b>10</b>                               | 0                                      | 0%      | 0  | 0%      |
| Unspecified/Other/Multi-race | Not Applicable                          | 0                                      | 0%      | <5   | *       |

1. This estimate includes all persons living in BERRIEN CO. at diagnosis of HIV or AIDS, including those not reported or not yet diagnosed. All estimates are rounded to the nearest ten, and the minimum estimate given is 10. The formula used to gain these estimates was updated October 2003, January 2004 and January 2007 so that numbers are only rounded at the end of the estimate calculation and so that cases with no identified risk are no longer part of the equation. This may result in minor variations when compared to past estimates.

2. Includes reports that contain patient name or are otherwise unduplicated. <5 and '\*' = 1, 2, 3, or 4 cases.

3. Heterosexual risk is made up of two sub-categories, (1) HRH [High Risk Heterosexual]: Males and females whose sexual partners are known to be HIV-infected or at high risk for HIV. The partners meet one of the following criteria: a history of sexual contact with bi-sexual males (for females), IDU, hemophiliacs, HIV+ transfusion recipients or other HIV+ persons of unknown risk and (2) PH [Presumed Heterosexual]-female: Females whose only reported risk is heterosexual contact, and their male partners' risk and HIV status are unknown.

4. Undetermined risk is made up of two sub-categories, (1) PH [Presumed Heterosexual]-Male: Males whose only reported risk is heterosexual contact, and their female partners' risk and HIV status are unknown and (2) Unknown: Males and Females with no identified risk.

**Table 2: Berrien County Residents Living with HIV Infection by City,  
 as of 10/1/2007**

| City               | Estimate of<br>HIV Prevalence <sup>2</sup> | HIV or AIDS <sup>1</sup> |             |
|--------------------|--|--------------------------|-------------|
|                    |  | Number                   | Percent     |
| <b>Berrien Co.</b> | <b>300</b>                                 | <b>220</b>               | <b>100%</b> |
| Baroda             | 10   | <5                       | *           |
| Benton Harbor      | 120  | 85                       | 39%         |
| Berrien Springs    | 40   | 30                       | 14%         |
| Bridgman           | 10   | <5                       | *           |
| Buchanan           | 20   | 18                       | 8%          |
| Coloma             | 10   | <5                       | *           |
| Galien             | 10   | <5                       | *           |
| New Buffalo        | 10   | <5                       | *           |
| Niles              | 40   | 32                       | 15%         |
| Sawyer             | 10   | <5                       | *           |
| Sodus              | 10   | 6                        | 3%          |
| St. Joseph         | 20   | 13                       | 6%          |
| Stevensville       | 10   | 9                        | 4%          |
| Three Oaks         | 10   | 8                        | 4%          |
| Watervliet         | 10   | 7                        | 3%          |
| Unknown            | Not applicable                             | <5                       | *           |

1. Reports that contain patient name or are otherwise unduplicated.

2. This estimate includes all persons living with HIV or AIDS, including those not reported or not yet diagnosed. All estimates are rounded to the nearest ten, and the minimum estimate given is 10. The formula used to gain these estimates was updated October 2003, January 2004 and January 2007 so that the numbers are only rounded at the at the end of the estimate calculation and so that cases with no identified risk are no longer part of the equation. This may result in minor variations when compared to past estimates.

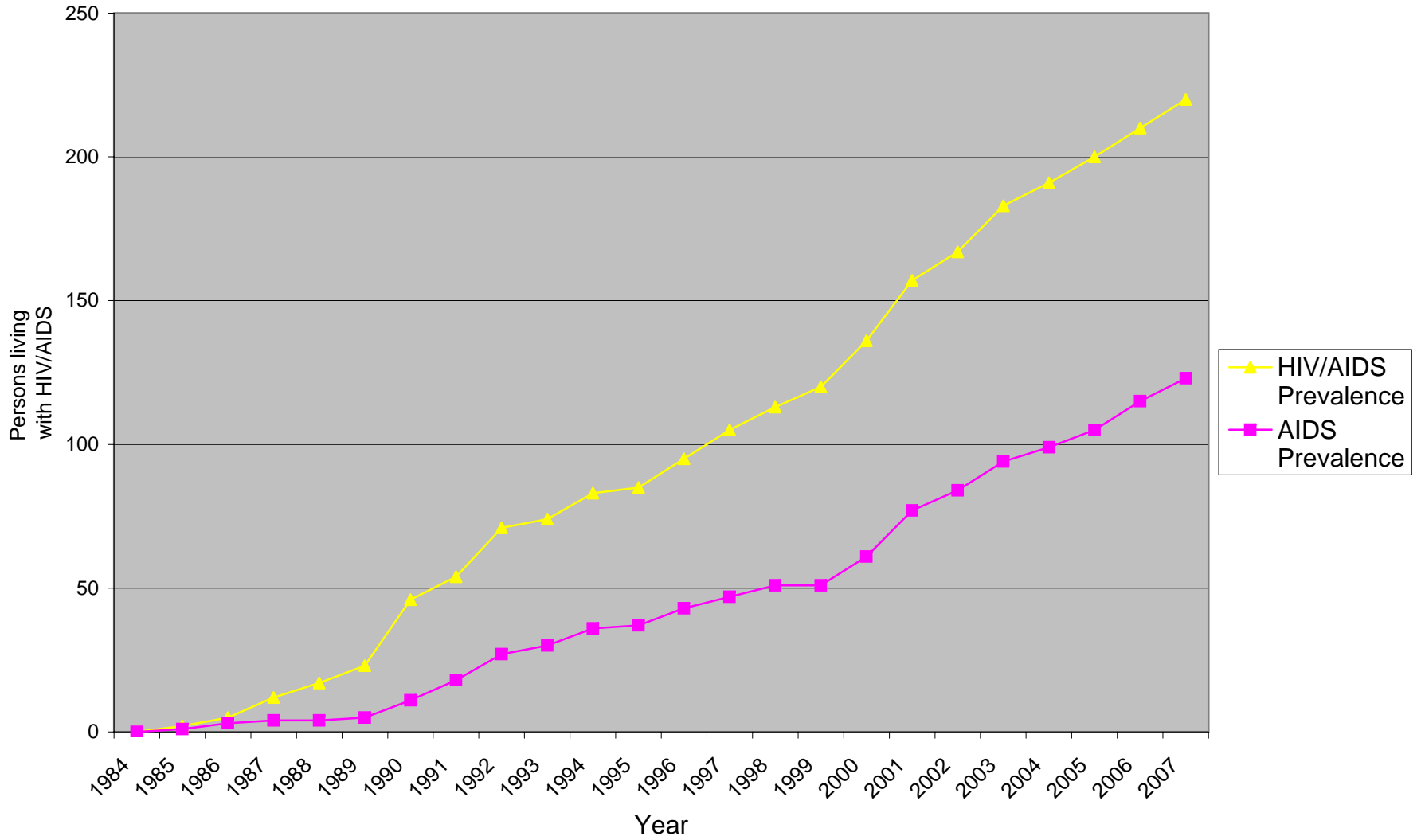
**Table 3: Berrien County HIV/AIDS Prevalence  
 through October 1, 2007**

| Year  | HIV/AIDS<br>Deaths/Year | HIV<br>Incidence | AIDS<br>Incidence | HIV/AIDS<br>Prevalence | AIDS<br>Prevalence |
|-------|-------------------------|------------------|-------------------|------------------------|--------------------|
| 1981  | 0                       | 0                | 0                 | 0                      | 0                  |
| 1982  | 0                       | 0                | 0                 | 0                      | 0                  |
| 1983  | 0                       | 0                | 0                 | 0                      | 0                  |
| 1984  | 0                       | 0                | 0                 | 0                      | 0                  |
| 1985  | 0                       | 2                | 1                 | 2                      | 1                  |
| 1986  | 2                       | 5                | 4                 | 5                      | 3                  |
| 1987  | 1                       | 8                | 2                 | 12                     | 4                  |
| 1988  | 7                       | 12               | 7                 | 17                     | 4                  |
| 1989  | 3                       | 9                | 4                 | 23                     | 5                  |
| 1990  | 3                       | 26               | 9                 | 46                     | 11                 |
| 1991  | 5                       | 13               | 12                | 54                     | 18                 |
| 1992  | 2                       | 19               | 11                | 71                     | 27                 |
| 1993  | 10                      | 13               | 13                | 74                     | 30                 |
| 1994  | 9                       | 18               | 13                | 83                     | 36                 |
| 1995  | 11                      | 13               | 11                | 85                     | 37                 |
| 1996  | 7                       | 17               | 13                | 95                     | 43                 |
| 1997  | 5                       | 15               | 8                 | 105                    | 47                 |
| 1998  | 7                       | 15               | 10                | 113                    | 51                 |
| 1999  | 5                       | 12               | 5                 | 120                    | 51                 |
| 2000  | 6                       | 22               | 14                | 136                    | 61                 |
| 2001  | 2                       | 23               | 18                | 157                    | 77                 |
| 2002  | 6                       | 16               | 13                | 167                    | 84                 |
| 2003  | 4                       | 20               | 13                | 183                    | 94                 |
| 2004  | 5                       | 13               | 10                | 191                    | 99                 |
| 2005  | 3                       | 12               | 9                 | 200                    | 105                |
| 2006  | 4                       | 14               | 13                | 210                    | 115                |
| 2007  | 1                       | 11               | 8                 | 220                    | 123                |
| TOTAL | 108                     | 328              | 221               |                        |                    |

\*\*\*Reported HIV/AIDS prevalence (all persons currently living with an HIV or AIDS diagnosis) is 220 persons through October 1, 2007\*\*\*

\*\*\*Reported AIDS prevalence (all persons currently living with an AIDS diagnosis & note this is a subset of the HIV/AIDS prevalence listed above) is 123 persons through October 1, 2007\*\*\*

# Prevalence of Berrien County residents living with HIV/AIDS and AIDS



HIV/STD & Blood borne Infections Surveillance Section  
Division of Communicable Disease  
Bureau of Epidemiology

Information based on the October 1, 2007 Michigan Quarterly HIV/AIDS Analysis

| Residence at time of diagnosis | Estimate of HIV Prevalence | Persons living with AIDS | Persons living with HIV not AIDS | Persons ever diagnosed with AIDS | Reported Prevalence Rate |
|--------------------------------|----------------------------|--------------------------|----------------------------------|----------------------------------|--------------------------|
| Berrien County                 | 300                        | 123                      | 97                               | 221                              | 136                      |
| Michigan Total                 | 17,000                     | 6,904                    | 6,244                            | 15,455                           | 130                      |

**Note:** This estimate includes all persons living with HIV or AIDS, including those not yet diagnosed.

Rates are calculated per 100,000 population using Cesus 2006 Estimates.

Data includes reports of HIV infection and AIDS that contain patient name or are otherwise unduplicated.

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**TABLE 4: Characteristics of BERRIEN CO. Residents Living with HIV or AIDS as of October 1, 2007**

|                              | Estimate of HIV Prevalence <sup>1</sup> | Reported Living with HIV/AIDS <sup>2</sup> |         |
|------------------------------|---|--|---------|
|                              |   | Number                                     | Percent |
| BERRIEN CO. TOTAL            | 300                                     | 220  | 100%    |
| SEX                          |   |  |         |
| Male                         | 180                                     | 130  | 59%     |
| Female                       | 120                                     | 90   | 41%     |
| BEHAVIOR                     |   |  |         |
| Male-Male sex                | 70                                      | 49   | 22%     |
| Injecting Drug Use           | 20                                      | 15   | 7%      |
| Male-Male Sex/IDU            | 10                                      | 8  | 4%      |
| Blood Products               | 10                                      | <5   | *       |
| Heterosexual <sup>3</sup>    | 110                                     | 81   | 37%     |
| HRH                          | 80                                      | 61   | 28%     |
| PH-Female                    | 30                                      | 20   | 9%      |
| Perinatal                    | 10                                      | <5   | *       |
| Undetermined <sup>4</sup>    | 80                                      | 62   | 28%     |
| PH-Male                      | 50                                      | 36   | 16%     |
| Unknown                      | 40                                      | 26   | 12%     |
| AGE AT HIV DIAGNOSIS         |   |  |         |
| 0 -12 years                  | 10                                      | <5   | *       |
| 13 -19 years                 | 20                                      | 11   | 5%      |
| 20 -24 years                 | 30                                      | 23   | 10%     |
| 25 -29 years                 | 50                                      | 33   | 15%     |
| 30 -39 years                 | 120                                     | 89   | 40%     |
| 40 -49 years                 | 60                                      | 47   | 21%     |
| 50 -59 years                 | 10                                      | 10   | 5%      |
| 60 years and over            | 10                                      | <5   | *       |
| Unspecified                  | Not Applicable                          | 0  | 0%      |
| RACE / ETHNICITY             |   |  |         |
| White, Non-Hisp.             | 90                                      | 64   | 29%     |
| Black, Non-Hisp.             | 200                                     | 146  | 66%     |
| Hispanic                     | 10                                      | 8  | 4%      |
| Asian                        | 10                                      | 0  | 0%      |
| American Indian              | 10                                      | 0  | 0%      |
| Unspecified/Other/Multi-race | Not Applicable                          | <5   | *       |

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**TABLE 5: Berrien Co. Residents Reported Living with HIV or AIDS: Sex by Race by Behavior**

| <b>MALES:</b>             | <b>White</b> |            | <b>Black</b> |            | <b>Other or Unknown</b> |           | <b>TOTAL</b> |             |
|---------------------------|--------------|------------|--------------|------------|-------------------------|-----------|--------------|-------------|
| Male-Male Sex             | 34           | 65%        | 14           | 20%        | <5                      | *         | 49           | 38%         |
| Injecting Drug Use        | <5           | *          | 8            | 11%        | <5                      | *         | 11           | 8%          |
| Male-Male Sex/IDU         | 6            | 12%        | <5           | *          | <5                      | *         | 8            | 6%          |
| Blood Recipient           | <5           | *          | <5           | *          | 0                       | 0%        | <5           | *           |
| Heterosexual <sup>1</sup> | <5           | *          | 11           | 15%        | 0                       | 0%        | 15           | 12%         |
| Perinatal                 | 0            | 0%         | <5           | *          | 0                       | 0%        | <5           | *           |
| Undetermined <sup>2</sup> | 5            | 10%        | 35           | 49%        | <5                      | *         | 44           | 34%         |
| <i>PH-Male</i>            | <5           | *          | 29           | 41%        | <5                      | *         | 36           | 28%         |
| <i>Unknown</i>            | <5           | *          | 6            | 8%         | <5                      | *         | 8            | 6%          |
| <b>Male Subtotal</b>      | <b>52</b>    | <b>40%</b> | <b>71</b>    | <b>55%</b> | <b>7</b>                | <b>5%</b> | <b>130</b>   | <b>100%</b> |
| <b>FEMALES:</b>           | <b>White</b> |            | <b>Black</b> |            | <b>Other or Unknown</b> |           | <b>TOTAL</b> |             |
| Injecting Drug Use        | <5           | *          | <5           | *          | <5                      | *         | <5           | *           |
| Blood Recipient           | 0            | 0%         | 0            | 0%         | 0                       | 0%        | 0            | 0%          |
| Heterosexual <sup>1</sup> | 9            | 75%        | 55           | 73%        | <5                      | *         | 66           | 73%         |
| <i>HRH</i>                | 8            | 67%        | 37           | 49%        | <5                      | *         | 46           | 51%         |
| <i>PH-Female</i>          | <5           | *          | 18           | 24%        | <5                      | *         | 20           | 22%         |
| Perinatal                 | 0            | 0%         | <5           | *          | 0                       | 0%        | <5           | *           |
| Undetermined <sup>2</sup> | <5           | *          | 16           | 21%        | 0                       | 0%        | 18           | 20%         |
| <b>Female Subtotal</b>    | <b>12</b>    | <b>13%</b> | <b>75</b>    | <b>83%</b> | <b>&lt;5</b>            | <b>*</b>  | <b>90</b>    | <b>100%</b> |
| <b>Total</b>              | <b>White</b> |            | <b>Black</b> |            | <b>Other or Unknown</b> |           | <b>TOTAL</b> |             |
| Male-Male Sex             | 34           | 53%        | 14           | 10%        | <5                      | *         | 49           | 22%         |
| Injecting Drug Use        | <5           | *          | 10           | 7%         | <5                      | *         | 15           | 7%          |
| Male-Male Sex/IDU         | 6            | 9%         | <5           | *          | <5                      | *         | 8            | 4%          |
| Blood Recipient           | <5           | *          | <5           | *          | 0                       | 0%        | <5           | *           |
| Heterosexual <sup>1</sup> | 13           | 20%        | 66           | 45%        | <5                      | *         | 81           | 37%         |
| <i>HRH</i>                | 12           | 19%        | 48           | 33%        | <5                      | *         | 61           | 28%         |
| <i>PH-Female</i>          | <5           | *          | 18           | 12%        | <5                      | *         | 20           | 9%          |
| Perinatal                 | 0            | 0%         | <5           | *          | 0                       | 0%        | <5           | *           |
| Undetermined <sup>2</sup> | 7            | 11%        | 51           | 35%        | <5                      | *         | 62           | 28%         |
| <i>PH-Male</i>            | <5           | *          | 29           | 20%        | <5                      | *         | 36           | 16%         |
| <i>Unknown</i>            | <5           | *          | 22           | 15%        | <5                      | *         | 26           | 12%         |
| <b>GRAND TOTAL</b>        | <b>64</b>    | <b>29%</b> | <b>146</b>   | <b>66%</b> | <b>10</b>               | <b>5%</b> | <b>220</b>   | <b>100%</b> |

1. Heterosexual risk is made up of two sub-categories, (1) HRH [High Risk Heterosexual]: Males and females whose sexual partners are known to be HIV-infected or at high risk for HIV. The partners meet one of the following criteria: a history of sexual contact with bi-sexual males (for females), IDU, hemophiliacs, HIV+ transfusion recipients or other HIV+ persons of unknown risk and (2) PH [Presumed Heterosexual]-female: Females whose only reported risk is heterosexual contact, and their male partners' risk and HIV status are unknown. \*\*In the male subset, all cases in the heterosexual category are HRH because the PH-Female category is not applicable to males.

2. Undetermined risk is made up of two sub-categories, (1) PH [Presumed Heterosexual]-Male: Males whose only reported risk is heterosexual contact, and their female partners' risk and HIV status are unknown and (2) Unknown: Males and Females with no identified risk. \*\*In the female subset, all cases in the undetermined category of unknown risk because the PH-Male category is not applicable to females.

NOTE: Includes reports that contain patient name or are otherwise unduplicated. <5 and '\*' = 1, 2, 3, or 4 cases.