

**TABLE 1. Demographic Information on Prevalent HIV/AIDS Cases Living in GENESEE CO. at Diagnosis**

	<b>EST PREV*</b>	<b>REPORTED PREVALENCE<sup>†</sup></b>						<b>CENSUS 2006 ESTIMATES</b>	
		<b>HIV, not AIDS</b>		<b>AIDS</b>		<b>Total</b>		<b>Rate per 100,000<sup>§</sup></b>	
	<b>Number</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>
<b>RACE/ ETHNICITY<sup>¶</sup></b>									
White	280	105	(44%)	117	(48%)	222	(46%)	67.3	329,962 (75%)
Black	310	125	(52%)	114	(47%)	239	(49%)	272.2	87,806 (20%)
Hispanic	20	6	(2%)	10	(4%)	16	(3%)	152.7	10,477 (2%)
Asian/PI	10	<5	**	<5	**	<5	**	**	4,075 (1%)
Am Indian/AN	0	0	(0%)	0	(0%)	0	(0%)	**	2,095 (<1%)
Multi/Unk	10	<5	<5	<5	**	5	(1%)	N/A	8,271 (2%)
<b>SEX &amp; RACE</b>									
Males	480	171	(71%)	201	(82%)	372	(77%)	174.9	212,688 (48%)
White Males	240	82	(34%)	105	(43%)	187	(39%)	116.3	160,734 (36%)
Black Males	220	83	(34%)	87	(36%)	170	(35%)	426.0	39,902 (9%)
Hispanic Males	20	<5	**	8	(3%)	12	(2%)	231.4	5,186 (1%)
Other Males	10	<5	**	<5	**	<5	**	**	6,866 (2%)
Females	140	70	(29%)	43	(18%)	113	(23%)	49.3	229,278 (52%)
White Females	40	23	(10%)	12	(5%)	35	(7%)	20.7	169,228 (38%)
Black Females	90	42	(17%)	27	(11%)	69	(14%)	146.2	47,184 (11%)
Hispanic Fmls	10	<5	**	<5	**	<5	**	**	5,291 (1%)
Other Females	10	<5	**	<5	**	5	(1%)	66.0	7,575 (2%)
<b>RISK*</b>									
Male-Male Sex	290	96	(40%)	129	(53%)	225	(46%)	N/A	N/A N/A
Injection Drug Use	50	22	(9%)	15	(6%)	37	(8%)	N/A	N/A N/A
MSM/IDU	20	5	(2%)	9	(4%)	14	(3%)	N/A	N/A N/A
Blood Products	10	<5	**	<5	**	<5	**	N/A	N/A N/A
Heterosexual	100	47	(20%)	35	(14%)	82	(17%)	N/A	N/A N/A
HRH	60	26	(11%)	22	(9%)	48	(10%)	N/A	N/A N/A
PH-Female	40	21	(9%)	13	(5%)	34	(7%)	N/A	N/A N/A
Perinatal	10	5	(2%)	0	(0%)	5	(1%)	N/A	N/A N/A
Undetermined	150	65	(27%)	55	(23%)	120	(25%)	N/A	N/A N/A
PH-Male	70	22	(9%)	31	(13%)	53	(11%)	N/A	N/A N/A
Unknown	90	43	(18%)	24	(10%)	67	(14%)	N/A	N/A N/A
<b>AGE AT HIV DIAGNOSIS</b>									
0 - 12 years	10	5	(2%)	0	(0%)	5	(1%)	N/A	N/A N/A
13 - 19 years	40	21	(9%)	7	(3%)	28	(6%)	N/A	N/A N/A
20 - 24 years	80	42	(17%)	20	(8%)	62	(13%)	N/A	N/A N/A
25 - 29 years	100	38	(16%)	43	(18%)	81	(17%)	N/A	N/A N/A
30 - 39 years	220	69	(29%)	107	(44%)	176	(36%)	N/A	N/A N/A
40 - 49 years	120	46	(19%)	46	(19%)	92	(19%)	N/A	N/A N/A
50 - 59 years	40	18	(7%)	15	(6%)	33	(7%)	N/A	N/A N/A
60 years and over	10	<5	**	6	(2%)	8	(2%)	N/A	N/A N/A
Unspecified	0	0	(0%)	0	(0%)	0	(0%)	N/A	N/A N/A
<b>TOTAL</b>	<b>620</b>	<b>241 (100%)</b>		<b>244 (100%)</b>		<b>485 (100%)</b>		<b>110</b>	<b>441,966 (100%)</b>

\*See page 4 for descriptions of prevalence estimate calculations and new risk category groupings. Risk categories used in Michigan are newly defined as of the July 2007 quarter.

<sup>†</sup> Includes reports that contain patient name or are otherwise unduplicated. <5 and "\*\*" = 1, 2, 3, or 4 cases.

<sup>§</sup> To calculate "1 out of x" statements, divide the census number by total reported prevalence. For example, for non-Hispanic whites: 329,962 / 222 = 1,486. Thus, 1 out of every 1,486 non-Hispanic white persons in GENESEE CO. are living with HIV.

<sup>¶</sup> In this report, persons described as white, black, Asian/Pacific Islander (PI), or American Indian/Alaska Native (AN) are all non-Hispanic; persons described as Hispanic might be of any race.

**TABLE 2. Sex, Race, and Risk Among Prevalent HIV/AIDS Cases in GENESEE CO.**

<b>MALES</b>	<b>White</b>		<b>Black</b>		<b>Hispanic</b>		<b>Other or Unknown</b>		<b>Male Subtotal</b>	
Male-Male sex	124	(66%)	92	(54%)	8	(67%)	<5	**	225	(60%)
Injecting Drug Use	10	(5%)	9	(5%)	0	(0%)	0	(0%)	19	(5%)
Male-Male Sex/IDU	7	(4%)	6	(4%)	<5	**	0	(0%)	14	(4%)
Blood Products	<5	**	0	(0%)	0	(0%)	0	(0%)	<5	**
Heterosexual*	5	(3%)	7	(4%)	<5	**	0	(0%)	13	(3%)
Perinatal	<5	**	<5	**	0	(0%)	0	(0%)	<5	**
Undetermined	38	(20%)	54	(32%)	<5	**	<5	**	96	(26%)
<i>PH-Male</i>	19	(10%)	32	(19%)	<5	**	0	(0%)	53	(14%)
<i>Unknown</i>	19	(10%)	22	(13%)	0	(0%)	<5	**	43	(12%)
<b>Male Subtotal</b>	<b>187</b>	<b>(50%)</b>	<b>170</b>	<b>(46%)</b>	<b>12</b>	<b>(3%)</b>	<b>&lt;5</b>	<b>**</b>	<b>372</b>	<b>(100%)</b>
<b>FEMALES</b>	<b>White</b>		<b>Black</b>		<b>Hispanic</b>		<b>Other or Unknown</b>		<b>Female Subtotal</b>	
Injecting Drug Use	<5	**	15	(22%)	0	(0%)	0	(0%)	18	(16%)
Blood Products	0	(0%)	0	(0%)	0	(0%)	0	(0%)	0	(0%)
Heterosexual	24	(69%)	37	(54%)	<5	**	<5	**	69	(61%)
<i>HRH</i>	13	(37%)	19	(28%)	<5	**	<5	**	35	(31%)
<i>PH-Female</i>	11	(31%)	18	(26%)	<5	**	<5	**	34	(30%)
Perinatal	0	(0%)	<5	**	0	(0%)	0	(0%)	<5	**
Undetermined*	8	(23%)	15	(22%)	0	(0%)	<5	**	24	(21%)
<b>Female Subtotal</b>	<b>35</b>	<b>(31%)</b>	<b>69</b>	<b>(61%)</b>	<b>&lt;5</b>	<b>**</b>	<b>5</b>	<b>(4%)</b>	<b>113</b>	<b>(100%)</b>
<b>TOTAL</b>	<b>White</b>		<b>Black</b>		<b>Hispanic</b>		<b>Other or Unknown</b>		<b>Risk Total</b>	
Male-Male sex	124	(56%)	92	(38%)	8	(50%)	<5	**	225	(46%)
Injecting Drug Use	13	(6%)	24	(10%)	0	(0%)	0	(0%)	37	(8%)
Male-Male Sex/IDU	7	(3%)	6	(3%)	<5	**	0	(0%)	14	(3%)
Blood Products	<5	**	0	(0%)	0	(0%)	0	(0%)	<5	**
Heterosexual	29	(13%)	44	(18%)	<5	**	<5	**	82	(17%)
<i>HRH</i>	18	(8%)	26	(11%)	<5	**	<5	**	48	(10%)
<i>PH-Female</i>	11	(5%)	18	(8%)	<5	**	<5	**	34	(7%)
Perinatal	<5	**	<5	**	0	(0%)	0	(0%)	5	(1%)
Undetermined	46	(21%)	69	(29%)	<5	**	<5	**	120	(25%)
<i>PH-Male</i>	19	(9%)	32	(13%)	<5	**	0	(0%)	53	(11%)
<i>Unknown</i>	27	(12%)	37	(15%)	0	(0%)	<5	**	67	(14%)
<b>RACE TOTAL</b>	<b>222</b>	<b>(46%)</b>	<b>239</b>	<b>(49%)</b>	<b>16</b>	<b>(3%)</b>	<b>8</b>	<b>(2%)</b>	<b>485</b>	<b>(100%)</b>

\*In the male subset all cases in the heterosexual category are HRH because the PH-Female category is not applicable to males and, likewise, in the female subset, all cases in the undetermined category are of unknown risk because the PH-Male category is not applicable to females. See page 4 for additional details about the changes to Michigan's risk categories.

**TABLE 3. Prevalent HIV/AIDS Cases in GENESEE CO.  
According to City of Residence at Diagnosis**

<i>CITY OF RESIDENCE AT DIAGNOSIS</i>	<i>EST PREV*</i>	<i>REPORTED PREVALENCE<sup>†</sup></i>			
		<i>HIV, not AIDS</i>	<i>AIDS</i>	<i>Total</i>	
				<i>Number</i>	<i>Percent</i>
Atlas	10	0	<5	<5	**
Burton	20	12	6	18	(4%)
Clio	10	<5	<5	5	(1%)
Corunna	10	<5	0	<5	**
Davison	20	<5	11	15	(3%)
Fenton	20	6	7	13	(3%)
Flint	450	183	169	352	(73%)
Flushing	10	<5	6	9	(2%)
Gaines	10	<5	<5	<5	**
Genesee	10	0	<5	<5	**
Goodrich	10	<5	<5	<5	**
Grand Blanc	30	10	14	24	(5%)
Holly	10	0	<5	<5	**
Lennon	10	<5	<5	<5	**
Linden	10	<5	<5	<5	**
Montrose	10	<5	0	<5	**
Mount Morris	30	8	14	22	(5%)
Swartz Creek	10	<5	5	8	(2%)
<b>UNKNOWN</b>	10	<5	<5	<5	**
<b>TOTAL</b>	<b>620</b>	<b>241</b>	<b>244</b>	<b>485</b>	<b>(100%)</b>

\*See page 5 for descriptions of prevalence estimate calculations.

<sup>†</sup> Includes reports that contain patient name or are otherwise unduplicated. <5 and "\*\*" = 1, 2, 3, or 4 cases.

**TABLE 3. New Diagnoses, Deaths, and Prevalence of HIV/AIDS in GENESEE CO. by Year**

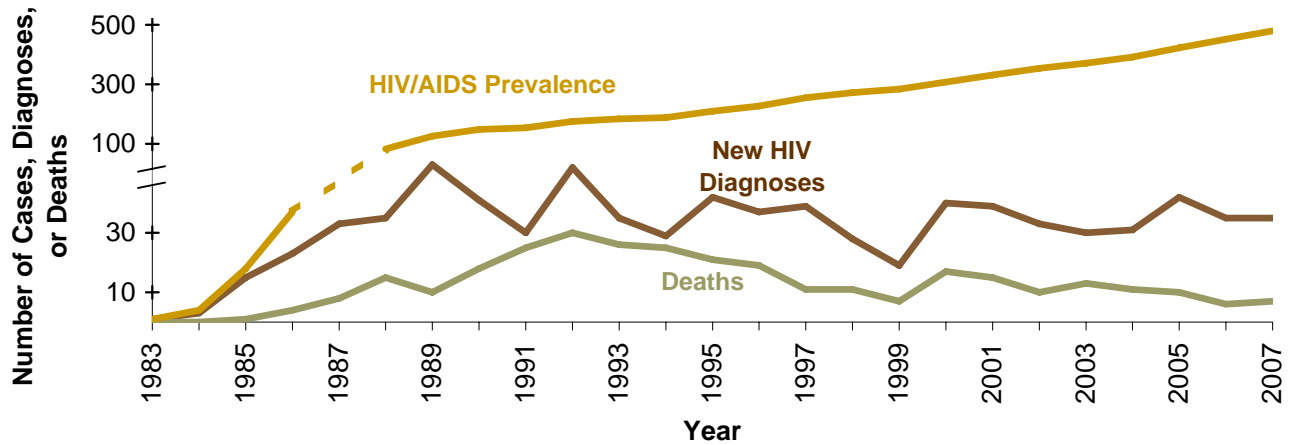
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	3	0	4	1	0	2
1985	15	1	18	2	1	3
1986	23	4	37	5	4	4
1987	33	8	62	19	7	16
1988	35	15	82	20	13	23
1989	53	10	125	30	10	43
1990	41	18	148	29	18	54
1991	30	25	153	23	25	52
1992	52	30	175	31	28	55
1993	35	26	184	24	22	57
1994	29	25	188	26	19	64
1995	42	21	209	29	15	78
1996	37	19	227	28	16	90
1997	39	11	255	26	10	106
1998	28	11	272	23	11	118
1999	19	7	284	18	5	131
2000	40	17	307	20	15	136
2001	39	15	331	13	9	140
2002	33	10	354	25	9	156
2003	30	13	371	16	9	163
2004	31	11	391	11	4	170
2005	42	10	423	28	7	191
2006	35	6	452	29	6	214
2007	35	7	480	32	5	241
2008	8	3	485	5	2	244
<b>TOTAL</b>	<b>808</b>	<b>323</b>		<b>514</b>	<b>270</b>	

The prevalence of HIV in Michigan has steadily increased, since persons with HIV are living longer. This is largely due to improved anti-retroviral therapy.

The increase in HIV prevalence is also reflected in Figure 1 on page 5, which shows that the number of persons diagnosed, while stable for the last several years, is greater than the number of deaths each year. This directly contributes to the increase in prevalence. The current reported prevalence of HIV/AIDS in GENESEE CO. is 485. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 244.

As implied, the HIV/AIDS section displays data on all persons with HIV, including those with AIDS, as well as those who have not been diagnosed with AIDS. Thus, persons represented in the AIDS section are also represented in the HIV/AIDS section. The number of reported deaths includes deaths directly attributable to presence of HIV/AIDS as well as deaths due to other causes.

NOTE: Reporting for recent years may not be complete. Data are not adjusted to account for reporting delays.

**FIGURE 1. New Diagnoses, Deaths, and Prevalence of HIV/AIDS in GENESEE CO. by Year****TABLE 4. Comparison of HIV/AIDS Prevalence in GENESEE CO. to State**

<i>Residence at Diagnosis</i>	<i>Estimated Prevalence</i>	<i>Reported Prevalence</i>			<i>Rate</i>	<i>Cumulative AIDS</i>
		<i>HIV, not AIDS</i>	<i>AIDS</i>	<i>Total</i>		
Genesee Co.	620	241	244	485	110	514
Michigan Total	18,000	6,352	7,146	13,498	134	15,765

## ADDITIONAL NOTES

### *Prevalence Estimate Calculations*

HIV prevalence estimates include all persons living in GENESEE CO. at diagnosis of HIV or AIDS and incorporates an approximation of those not reported or not yet diagnosed. All estimates are rounded to the nearest ten, and the minimum estimate given is 10. Prevalence estimates were most recently revised in January 2008, so the estimates in this report may vary in comparison to reports published before the revision.

### *Risk Groups*

In June 2007, the CSTE issued a position statement proposing the creation of a "presumed heterosexual" category. As a result, the following changes were made to Michigan's HIV risk categories.

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 who are not injection drug users and whose only reported risk is heterosexual contact, but their male partners' risk and HIV status are unknown.

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.



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