

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

	<i>EST PREV*</i>		<i>REPORTED PREVALENCE<sup>†</sup></i>				<i>CENSUS 2007 ESTIMATES</i>			
	Number		HIV, not AIDS		AIDS		Total	Rate per 100,000 <sup>§</sup>	Number Percent	
			Number	Percent	Number	Percent	Number	Percent		
<b>RACE/ ETHNICITY<sup>¶</sup></b>										
White	300		110	(44%)	120	(48%)	230	(46%)	70.6	325,637 (75%)
Black	320		132	(53%)	116	(47%)	248	(50%)	294.3	84,273 (19%)
Hispanic	20		7	(3%)	10	(4%)	17	(3%)	161.7	10,514 (2%)
Asian/PI	10		<5	**	<5	**	<5	**	**	4,110 (1%)
Am Indian/AN	0		0	(0%)	0	(0%)	0	(0%)	**	2,116 (<1%)
Multi/Unk	10		<5	**	<5	**	5	(1%)	N/A	8,065 (2%)
<b>SEX &amp; RACE</b>										
Males	510		181	(72%)	209	(84%)	390	(78%)	186.6	209,046 (48%)
White Males	260		88	(35%)	108	(44%)	196	(39%)	123.6	158,591 (36%)
Black Males	230		88	(35%)	91	(37%)	179	(36%)	464.6	38,530 (9%)
Hispanic Males	20		<5	**	8	(3%)	12	(2%)	231.3	5,187 (1%)
Other Males	10		<5	**	<5	**	<5	**	**	6,738 (2%)
Females	150		71	(28%)	41	(17%)	112	(22%)	49.6	225,669 (52%)
White Females	40		22	(9%)	12	(5%)	34	(7%)	20.4	167,046 (38%)
Black Females	90		44	(18%)	25	(10%)	69	(14%)	150.8	45,743 (11%)
Hispanic Fms	10		<5	**	<5	**	5	(1%)	---	5,327 (1%)
Other Females	10		<5	**	<5	**	<5	**	**	7,553 (2%)
<b>RISK*</b>										
Male-Male Sex	300		94	(38%)	134	(54%)	228	(46%)	N/A	N/A N/A
Injection Drug Use	50		24	(10%)	12	(5%)	36	(7%)	N/A	N/A N/A
MSM/IDU	20		8	(3%)	10	(4%)	18	(4%)	N/A	N/A N/A
Blood Products	10		<5	**	<5	**	<5	**	N/A	N/A N/A
Heterosexual	110		47	(19%)	35	(14%)	82	(16%)	N/A	N/A N/A
HRH	60		27	(11%)	21	(8%)	48	(10%)	N/A	N/A N/A
PH-Female	40		20	(8%)	14	(6%)	34	(7%)	N/A	N/A N/A
Perinatal	10		5	(2%)	0	(0%)	5	(1%)	N/A	N/A N/A
Undetermined	170		73	(29%)	58	(23%)	131	(26%)	N/A	N/A N/A
PH-Male	70		24	(10%)	32	(13%)	56	(11%)	N/A	N/A N/A
Unknown	100		49	(20%)	26	(10%)	75	(15%)	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		22	(9%)	8	(3%)	30	(6%)	N/A	N/A N/A
20 - 24 years	80		42	(17%)	22	(9%)	64	(13%)	N/A	N/A N/A
25 - 29 years	110		41	(16%)	46	(19%)	87	(17%)	N/A	N/A N/A
30 - 39 years	230		69	(28%)	104	(42%)	173	(35%)	N/A	N/A N/A
40 - 49 years	130		50	(20%)	49	(20%)	99	(20%)	N/A	N/A N/A
50 - 59 years	50		20	(8%)	16	(6%)	36	(7%)	N/A	N/A N/A
60 years and over	10		<5	**	5	(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>650</b>		<b>250 (100%)</b>		<b>248 (100%)</b>		<b>498 (100%)</b>		<b>115</b>	<b>434,715 (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: 325,637 / 230 = 1,416. Thus, 1 out of every 1,416 non-Hispanic white persons in GENESEE CO. are living with HIV. Rates and "1 out of x" statements are not reliable for <10 cases. Thus, rates for <10 cases are shown as "----".

<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	125 (64%)	93 (52%)	9 (75%)	<5 **	228 (58%)
Injecting Drug Use	11 (6%)	9 (5%)	0 (0%)	0 (0%)	20 (5%)
Male-Male Sex/IDU	10 (5%)	7 (4%)	0 (0%)	<5 **	18 (5%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual*	<5 **	8 (4%)	<5 **	0 (0%)	13 (3%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined	43 (22%)	60 (34%)	<5 **	<5 **	106 (27%)
<i>PH-Male</i>	20 (10%)	34 (19%)	<5 **	0 (0%)	56 (14%)
<i>Unknown</i>	23 (12%)	26 (15%)	0 (0%)	<5 **	50 (13%)
<b>Male Subtotal</b>	<b>196 (50%)</b>	<b>179 (46%)</b>	<b>12 (3%)</b>	<b>&lt;5 **</b>	<b>390 (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 **	13 (19%)	0 (0%)	0 (0%)	16 (14%)
Blood Products	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Heterosexual	23 (68%)	37 (54%)	5 (100%)	<5 **	69 (62%)
<i>HRH</i>	13 (38%)	19 (28%)	<5 **	<5 **	35 (31%)
<i>PH-Female</i>	10 (29%)	18 (26%)	<5 **	<5 **	34 (30%)
Perinatal	0 (0%)	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined*	8 (24%)	17 (25%)	0 (0%)	0 (0%)	25 (22%)
<b>Female Subtotal</b>	<b>34 (30%)</b>	<b>69 (62%)</b>	<b>5 (4%)</b>	<b>&lt;5 **</b>	<b>112 (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	125 (54%)	93 (38%)	9 (53%)	<5 **	228 (45%)
Injecting Drug Use	14 (6%)	22 (9%)	0 (0%)	0 (0%)	36 (7%)
Male-Male Sex/IDU	10 (4%)	7 (3%)	0 (0%)	<5 **	18 (4%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual	27 (12%)	45 (18%)	6 (35%)	<5 **	82 (16%)
<i>HRH</i>	17 (7%)	27 (11%)	<5 **	<5 **	48 (10%)
<i>PH-Female</i>	10 (4%)	18 (7%)	<5 **	<5 **	34 (7%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	5 (1%)
Undetermined	51 (22%)	77 (31%)	<5 **	<5 **	131 (26%)
<i>PH-Male</i>	20 (9%)	34 (14%)	<5 **	0 (0%)	56 (11%)
<i>Unknown</i>	31 (13%)	43 (17%)	0 (0%)	<5 **	75 (15%)
<b>RACE TOTAL</b>	<b>230 (46%)</b>	<b>248 (49%)</b>	<b>17 (3%)</b>	<b>7 (1%)</b>	<b>502 (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. New Diagnoses, Deaths, and Prevalence of HIV/AIDS in GENESEE CO. by Year**

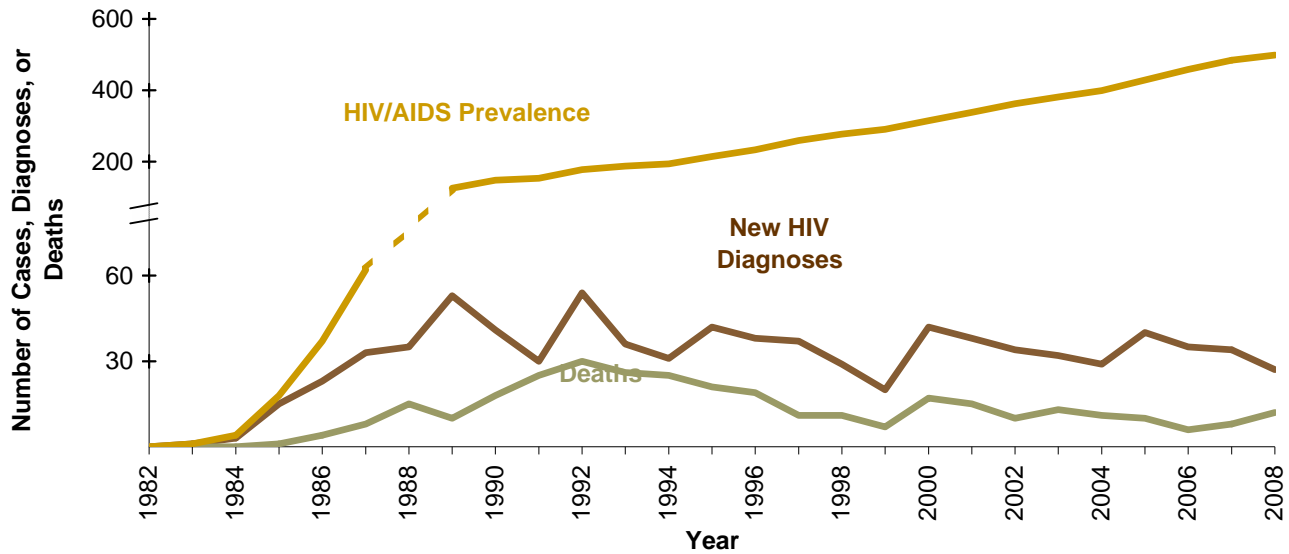
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	3	0	4	1	0	2
1985	15	1	18	2	1	3
1986	23	4	37	5	4	4
1987	33	8	62	19	7	16
1988	35	15	82	20	13	23
1989	53	10	125	30	10	43
1990	41	18	148	29	18	54
1991	30	25	153	23	25	52
1992	54	30	177	31	28	55
1993	36	26	187	24	22	57
1994	31	25	193	27	19	65
1995	42	21	214	29	15	79
1996	38	19	233	28	16	91
1997	37	11	259	26	10	107
1998	29	11	277	25	11	121
1999	20	7	290	19	5	135
2000	42	17	315	20	15	140
2001	38	15	338	13	9	144
2002	34	10	362	25	9	160
2003	32	13	381	16	9	167
2004	29	11	399	11	4	174
2005	40	10	429	27	7	194
2006	35	6	458	27	6	215
2007	34	8	484	31	5	241
2008	27	12	499	18	11	248
2009	7	4	<b>502</b>	6	4	<b>250</b>
<b>TOTAL</b>	<b>839</b>	<b>337</b>		<b>533</b>	<b>283</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 4, 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 502. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 250.

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>Cumulative AIDS</i>
		<i>HIV, not AIDS</i>	<i>AIDS</i>	<i>Total</i>	<i>Rate</i>	
Genesee Co.	650	250	248	498	115	533
Michigan Total	18,200	6,565	7,584	14,149	140	16,476

## 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 2009, 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.



Michigan Department of Community Health  
HIV/STD/VH/TB Epidemiology Section  
Division of Communicable Disease  
Bureau of Epidemiology

Jennifer M. Granholm, Governor  
Janet Olszewski, Director  
<http://www.michigan.gov/hivstd>

Lansing Office 201 Townsend St., 5th Floor  
Lansing, MI 48913  
517-335-8165

Detroit Office 1151 Taylor St., Room 211B  
Detroit, MI 48202  
313-876-0353