

**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 2007 ESTIMATES</b>		
	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		112	(43%)	121	(47%)	233	(45%)	72.5	321,213 (75%)
Black	330		139	(53%)	120	(47%)	259	(50%)	314.5	82,353 (19%)
Hispanic	20		6	(2%)	10	(4%)	16	(3%)	148.8	10,753 (3%)
Asian/PI	10		<5	**	<5	**	<5	**	**	4,032 (1%)
Am Indian/AN	0		0	(0%)	0	(0%)	0	(0%)	**	2,127 (<1%)
Multi/Unk	10		<5	**	<5	**	6	(1%)	N/A	8,312 (2%)
<b>SEX &amp; RACE</b>										
Males	520		190	(73%)	216	(84%)	406	(79%)	196.9	206,171 (48%)
White Males	260		90	(35%)	110	(43%)	200	(39%)	127.9	156,391 (36%)
Black Males	240		96	(37%)	95	(37%)	191	(37%)	507.7	37,618 (9%)
Hispanic Males	10		<5	**	8	(3%)	11	(2%)	206.5	5,328 (1%)
Other Males	10		<5	**	<5	**	<5	**	**	6,834 (2%)
Females	140		70	(27%)	40	(16%)	110	(21%)	49.4	222,619 (52%)
White Females	40		22	(8%)	11	(4%)	33	(6%)	20.0	164,822 (38%)
Black Females	90		43	(17%)	25	(10%)	68	(13%)	152.0	44,735 (10%)
Hispanic Fmls	10		<5	**	<5	**	5	(1%)	---	5,425 (1%)
Other Females	10		<5	**	<5	**	<5	**	**	7,637 (2%)
<b>RISK*</b>										
Male-Male Sex	310		104	(40%)	135	(53%)	239	(46%)	N/A	N/A N/A
Injection Drug Use	40		21	(8%)	12	(5%)	33	(6%)	N/A	N/A N/A
MSM/IDU	30		10	(4%)	11	(4%)	21	(4%)	N/A	N/A N/A
Blood Products	10		<5	**	<5	**	<5	**	N/A	N/A N/A
Heterosexual	110		48	(18%)	35	(14%)	83	(16%)	N/A	N/A N/A
HRH	60		28	(11%)	20	(8%)	48	(9%)	N/A	N/A N/A
PH-Female	40		20	(8%)	15	(6%)	35	(7%)	N/A	N/A N/A
Perinatal	10		5	(2%)	0	(0%)	5	(1%)	N/A	N/A N/A
Undetermined	170		71	(27%)	62	(24%)	133	(26%)	N/A	N/A N/A
PH-Male	70		21	(8%)	35	(14%)	56	(11%)	N/A	N/A N/A
Unknown	100		50	(19%)	27	(11%)	77	(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	(8%)	9	(4%)	31	(6%)	N/A	N/A N/A
20 - 24 years	90		46	(18%)	24	(9%)	70	(14%)	N/A	N/A N/A
25 - 29 years	110		41	(16%)	48	(19%)	89	(17%)	N/A	N/A N/A
30 - 39 years	230		71	(27%)	106	(41%)	177	(34%)	N/A	N/A N/A
40 - 49 years	130		50	(19%)	48	(19%)	98	(19%)	N/A	N/A N/A
50 - 59 years	50		22	(8%)	17	(7%)	39	(8%)	N/A	N/A N/A
60 years and over	10		<5	**	<5	**	7	(1%)	N/A	N/A N/A
Unspecified	0		0	(0%)	0	(0%)	0	(0%)	N/A	N/A N/A
<b>TOTAL</b>	<b>660</b>		<b>260 (100%)</b>		<b>256 (100%)</b>		<b>516 (100%)</b>		<b>120</b>	<b>428,790 (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: 321,213/233 = 1,379. Thus, 1 out of every 1,379 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	124 (62%)	105 (55%)	9 (82%)	<5 **	239 (59%)
Injecting Drug Use	9 (5%)	7 (4%)	0 (0%)	0 (0%)	16 (4%)
Male-Male Sex/IDU	12 (6%)	8 (4%)	0 (0%)	<5 **	21 (5%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual*	<5 **	9 (5%)	<5 **	0 (0%)	14 (3%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined	48 (24%)	60 (31%)	<5 **	<5 **	111 (27%)
<i>PH-Male</i>	22 (11%)	33 (17%)	<5 **	0 (0%)	56 (14%)
<i>Unknown</i>	26 (13%)	27 (14%)	0 (0%)	<5 **	55 (14%)
<b>Male Subtotal</b>	<b>200 (49%)</b>	<b>191 (47%)</b>	<b>11 (3%)</b>	<b>&lt;5 **</b>	<b>406 (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 **	14 (21%)	0 (0%)	0 (0%)	17 (15%)
Blood Products	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Heterosexual	22 (67%)	38 (56%)	5 (100%)	<5 **	69 (63%)
<i>HRH</i>	12 (36%)	19 (28%)	<5 **	<5 **	34 (31%)
<i>PH-Female</i>	10 (30%)	19 (28%)	<5 **	<5 **	35 (32%)
Perinatal	0 (0%)	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined*	8 (24%)	14 (21%)	0 (0%)	0 (0%)	22 (20%)
<b>Female Subtotal</b>	<b>33 (30%)</b>	<b>68 (62%)</b>	<b>5 (5%)</b>	<b>&lt;5 **</b>	<b>110 (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 (53%)	105 (41%)	9 (56%)	<5 **	239 (46%)
Injecting Drug Use	12 (5%)	21 (8%)	0 (0%)	0 (0%)	33 (6%)
Male-Male Sex/IDU	12 (5%)	8 (3%)	0 (0%)	<5 **	21 (4%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual	26 (11%)	47 (18%)	6 (38%)	<5 **	83 (16%)
<i>HRH</i>	16 (7%)	28 (11%)	<5 **	<5 **	48 (9%)
<i>PH-Female</i>	10 (4%)	19 (7%)	<5 **	<5 **	35 (7%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	5 (1%)
Undetermined	56 (24%)	74 (29%)	<5 **	<5 **	133 (26%)
<i>PH-Male</i>	22 (9%)	33 (13%)	<5 **	0 (0%)	56 (11%)
<i>Unknown</i>	34 (15%)	41 (16%)	0 (0%)	<5 **	77 (15%)
<b>RACE TOTAL</b>	<b>233 (45%)</b>	<b>259 (50%)</b>	<b>16 (3%)</b>	<b>8 (2%)</b>	<b>516 (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**

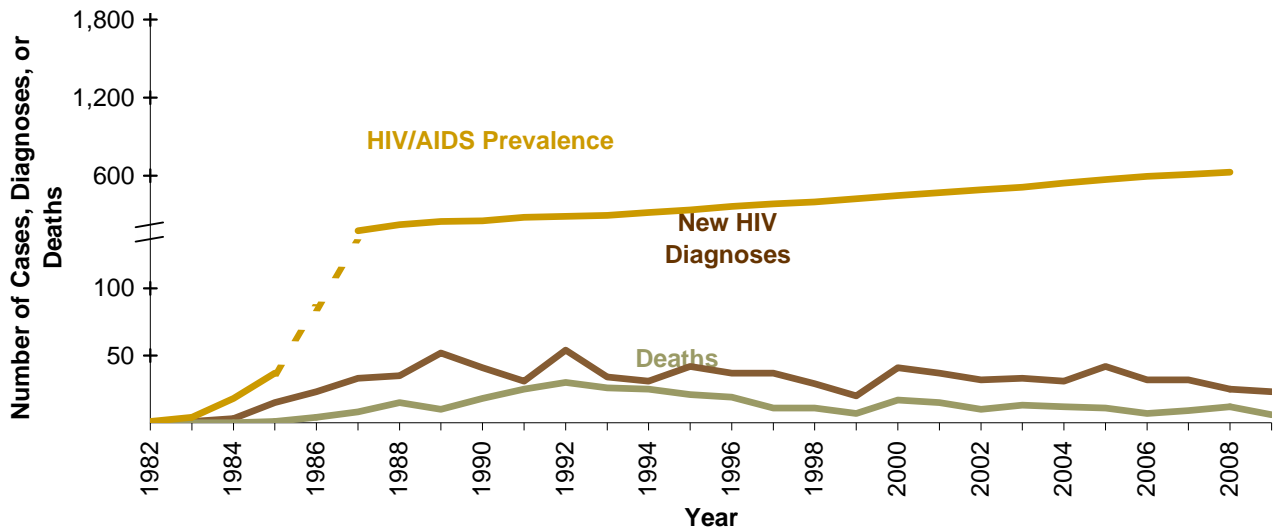
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	3	0	4	1	0	2
1985	15	1	18	2	1	3
1986	23	4	37	5	4	4
1987	33	8	62	19	7	16
1988	35	15	82	20	13	23
1989	52	10	124	30	10	43
1990	41	18	147	29	18	54
1991	31	25	153	23	25	52
1992	54	30	177	31	28	55
1993	34	26	185	24	22	57
1994	31	25	191	27	19	65
1995	42	21	212	29	15	79
1996	37	19	230	27	16	90
1997	37	11	256	26	10	106
1998	29	11	274	25	11	120
1999	20	7	287	19	5	134
2000	41	17	311	20	15	139
2001	37	15	333	13	9	143
2002	32	10	355	25	9	159
2003	33	13	375	16	9	166
2004	31	12	394	11	5	172
2005	42	11	425	29	7	194
2006	32	7	450	27	6	215
2007	32	9	473	31	5	241
2008	25	12	486	15	11	245
2009	23	6	503	13	6	252
2010	15	2	<b>516</b>	6	2	<b>256</b>
<b>TOTAL</b>	<b>861</b>	<b>345</b>		<b>544</b>	<b>288</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 516. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 256.

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**

Residence at Diagnosis	Estimated Prevalence	Reported Prevalence				Cumulative AIDS
		HIV, not AIDS	AIDS	Total	Rate	
Genesee Co.	660	260	256	516	120	544
Michigan Total	18,800	6,791	7,990	14,781	148	17,085

## 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 2010, 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  
<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

Jennifer M. Granholm, Governor  
Janet Olszewski, Director