

**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>			
		<b>HIV, not AIDS</b>		<b>AIDS</b>		<b>Total</b>		<b>Rate per 100,000<sup>§</sup></b>	<b>Number Percent</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	300	108	(43%)	119	(48%)	227	(46%)	69.7	325,637	(75%)	
Black	330	131	(53%)	116	(47%)	247	(50%)	293.1	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	**	**	8,065	(2%)	
<b>SEX &amp; RACE</b>											
Males	510	178	(71%)	207	(83%)	385	(77%)	184.2	209,046	(48%)	
White Males	260	86	(35%)	107	(43%)	193	(39%)	121.7	158,591	(36%)	
Black Males	240	87	(35%)	91	(37%)	178	(36%)	462.0	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	(29%)	41	(17%)	112	(23%)	49.6	225,669	(52%)	
White Females	50	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 Fmls	10	<5	**	<5	**	5	(1%)	**	5,327	(1%)	
Other Females	10	<5	**	<5	**	<5	**	**	7,553	(2%)	
<b>RISK*</b>											
Male-Male Sex	300	95	(38%)	131	(53%)	226	(45%)	N/A	N/A	N/A	
Injection Drug Use	50	23	(9%)	14	(6%)	37	(7%)	N/A	N/A	N/A	
MSM/IDU	20	7	(3%)	10	(4%)	17	(3%)	N/A	N/A	N/A	
Blood Products	10	<5	**	<5	**	<5	**	N/A	N/A	N/A	
Heterosexual	110	46	(18%)	36	(15%)	82	(16%)	N/A	N/A	N/A	
HRH	60	26	(10%)	22	(9%)	48	(10%)	N/A	N/A	N/A	
PH-Female	50	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	72	(29%)	56	(23%)	128	(26%)	N/A	N/A	N/A	
PH-Male	70	25	(10%)	31	(13%)	56	(11%)	N/A	N/A	N/A	
Unknown	100	47	(19%)	25	(10%)	72	(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	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	40	(16%)	44	(18%)	84	(17%)	N/A	N/A	N/A	
30 - 39 years	230	72	(29%)	104	(42%)	176	(35%)	N/A	N/A	N/A	
40 - 49 years	130	48	(19%)	49	(20%)	97	(20%)	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>660</b>	<b>249 (100%)</b>		<b>248 (100%)</b>		<b>497 (100%)</b>		<b>114</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 / 227 = 1435. Thus, 1 out of every 1435 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 (64%)	93 (52%)	8 (67%)	<5 **	226 (59%)
Injecting Drug Use	12 (6%)	9 (5%)	0 (0%)	0 (0%)	21 (5%)
Male-Male Sex/IDU	9 (5%)	7 (4%)	<5 **	0 (0%)	17 (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	40 (21%)	60 (34%)	<5 **	0 (0%)	103 (27%)
<i>PH-Male</i>	19 (10%)	35 (20%)	<5 **	0 (0%)	56 (15%)
<i>Unknown</i>	21 (11%)	25 (14%)	0 (0%)	<5 **	47 (12%)
<b>Male Subtotal</b>	<b>193 (50%)</b>	<b>178 (46%)</b>	<b>12 (3%)</b>	<b>&lt;5 **</b>	<b>385 (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 **	<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	124 (55%)	93 (38%)	8 (47%)	<5 **	226 (45%)
Injecting Drug Use	15 (7%)	22 (9%)	0 (0%)	0 (0%)	37 (7%)
Male-Male Sex/IDU	9 (4%)	7 (3%)	<5 **	0 (0%)	17 (3%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual	28 (12%)	44 (18%)	<5 **	<5 **	82 (16%)
<i>HRH</i>	18 (8%)	26 (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	48 (21%)	77 (31%)	<5 **	0 (0%)	128 (26%)
<i>PH-Male</i>	19 (8%)	35 (14%)	<5 **	0 (0%)	56 (11%)
<i>Unknown</i>	29 (13%)	42 (17%)	0 (0%)	<5 **	72 (14%)
<b>RACE TOTAL</b>	<b>227 (46%)</b>	<b>247 (50%)</b>	<b>17 (3%)</b>	<b>6 (1%)</b>	<b>497 (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**

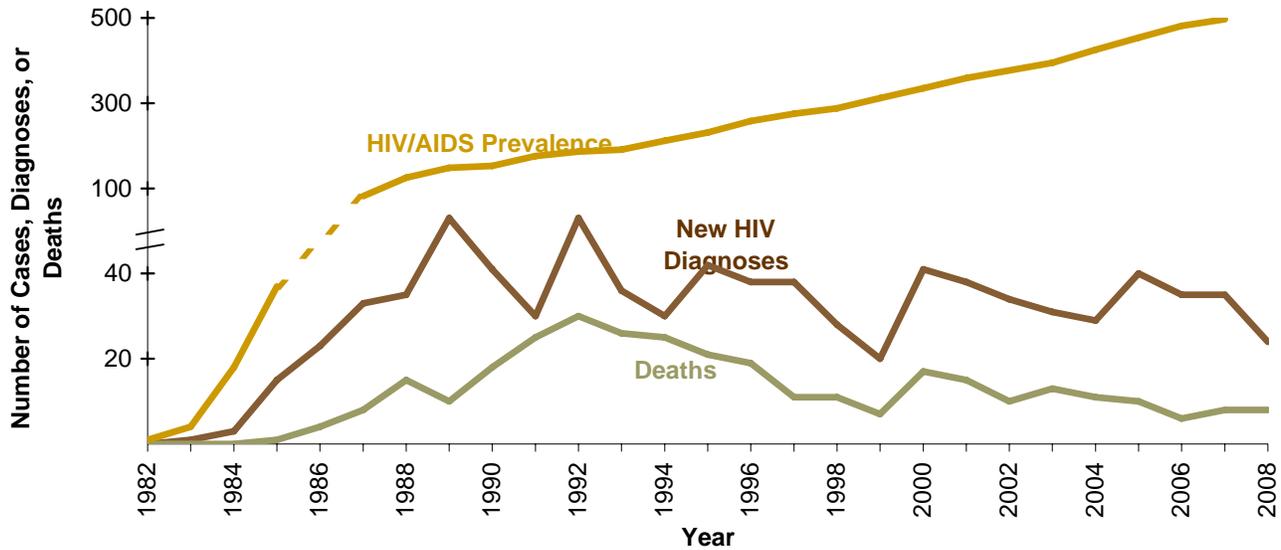
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	3	0	4	1	0	2
1985	15	1	18	2	1	3
1986	23	4	37	5	4	4
1987	33	8	62	19	7	16
1988	35	15	82	20	13	23
1989	53	10	125	30	10	43
1990	41	18	148	29	18	54
1991	30	25	153	23	25	52
1992	53	30	176	31	28	55
1993	36	26	186	24	22	57
1994	30	25	191	27	19	65
1995	42	21	212	29	15	79
1996	38	19	231	28	16	91
1997	38	11	258	26	10	107
1998	28	11	275	24	11	120
1999	20	7	288	19	5	134
2000	41	17	312	20	15	139
2001	38	15	335	13	9	143
2002	34	10	359	25	9	159
2003	31	13	377	16	9	166
2004	29	11	395	11	4	173
2005	40	10	425	27	7	193
2006	35	6	454	27	6	214
2007	35	8	481	32	5	241
2008	24	8	<b>497</b>	14	7	<b>248</b>
<b>TOTAL</b>	<b>826</b>	<b>329</b>		<b>523</b>	<b>275</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 497. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 248.

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.	660	249	248	497	114	523
Michigan Total	18,200	6,468	7,410	13,878	138	16,195

## 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