

**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 2008 ESTIMATES</i>	
		<i>HIV, not AIDS</i>		<i>AIDS</i>		<i>Total</i>		<i>Rate per 100,000<sup>§</sup></i>	<i>Number Percent</i>
	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>		
<b><i>RACE/ ETHNICITY<sup>¶</sup></i></b>									
White	310	114	(44%)	115	(47%)	229	(45%)	71.3	321,213 (75%)
Black	330	136	(52%)	110	(45%)	246	(48%)	298.7	82,353 (19%)
Hispanic	20	7	(3%)	10	(4%)	17	(3%)	158.1	10,753 (3%)
Asian/PI	10	0	(0%)	<5	**	<5	**	**	4,032 (1%)
Am Indian/AN	0	0	(0%)	0	(0%)	0	(0%)	**	2,127 (<1%)
Multi/Unk	20	<5	**	11	(4%)	15	(3%)	N/A	8,312 (2%)
<b><i>SEX &amp; RACE</i></b>									
Males	540	189	(72%)	209	(85%)	398	(78%)	193.0	206,171 (48%)
White Males	260	90	(34%)	103	(42%)	193	(38%)	123.4	156,391 (36%)
Black Males	250	93	(36%)	88	(36%)	181	(36%)	481.2	37,618 (9%)
Hispanic Males	20	<5	**	8	(3%)	12	(2%)	225.2	5,328 (1%)
Other Males	20	<5	**	10	(4%)	12	(2%)	175.6	6,834 (2%)
Females	150	72	(28%)	38	(15%)	110	(22%)	49.4	222,619 (52%)
White Females	50	24	(9%)	12	(5%)	36	(7%)	21.8	164,822 (38%)
Black Females	90	43	(16%)	22	(9%)	65	(13%)	145.3	44,735 (10%)
Hispanic Fmls	10	<5	**	<5	**	5	(1%)	---	5,425 (1%)
Other Females	10	<5	**	<5	**	<5	**	**	7,637 (2%)
<b><i>RISK*</i></b>									
Male-Male Sex	330	109	(42%)	131	(53%)	240	(47%)	N/A	N/A N/A
Injection Drug Use	40	16	(6%)	12	(5%)	28	(6%)	N/A	N/A N/A
MSM/IDU	30	9	(3%)	11	(4%)	20	(4%)	N/A	N/A N/A
Blood Products	10	<5	**	<5	**	<5	**	N/A	N/A N/A
Heterosexual	120	51	(20%)	35	(14%)	86	(17%)	N/A	N/A N/A
HRH	70	29	(11%)	22	(9%)	51	(10%)	N/A	N/A N/A
PH-Female	50	22	(8%)	13	(5%)	35	(7%)	N/A	N/A N/A
Perinatal	10	<5	**	0	(0%)	<5	**	N/A	N/A N/A
Undetermined	180	72	(28%)	57	(23%)	129	(25%)	N/A	N/A N/A
PH-Male	70	21	(8%)	34	(14%)	55	(11%)	N/A	N/A N/A
Unknown	100	51	(20%)	23	(9%)	74	(15%)	N/A	N/A N/A
<b><i>AGE AT HIV DIAGNOSIS</i></b>									
0 - 12 years	10	<5	**	0	(0%)	<5	**	N/A	N/A N/A
13 - 19 years	40	24	(9%)	8	(3%)	32	(6%)	N/A	N/A N/A
20 - 24 years	100	46	(18%)	26	(11%)	72	(14%)	N/A	N/A N/A
25 - 29 years	120	43	(16%)	48	(19%)	91	(18%)	N/A	N/A N/A
30 - 39 years	230	70	(27%)	102	(41%)	172	(34%)	N/A	N/A N/A
40 - 49 years	130	53	(20%)	42	(17%)	95	(19%)	N/A	N/A N/A
50 - 59 years	50	20	(8%)	17	(7%)	37	(7%)	N/A	N/A N/A
60 years and over	10	<5	**	<5	**	6	(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>690</b>	<b>261 (100%)</b>		<b>247 (100%)</b>		<b>508 (100%)</b>		<b>118</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: 321,213/229 = 1,403. Thus, 1 out of every 1,403 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	123 (64%)	102 (56%)	10 (83%)	5 (42%)	240 (60%)
Injecting Drug Use	8 (4%)	6 (3%)	0 (0%)	0 (0%)	14 (4%)
Male-Male Sex/IDU	11 (6%)	8 (4%)	0 (0%)	<5 **	20 (5%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual*	<5 **	9 (5%)	<5 **	0 (0%)	14 (4%)
Perinatal	0 (0%)	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined	45 (23%)	54 (30%)	<5 **	6 (50%)	106 (27%)
<i>PH-Male</i>	21 (11%)	29 (16%)	<5 **	<5 **	55 (14%)
<i>Unknown</i>	24 (12%)	25 (14%)	0 (0%)	<5 **	51 (13%)
<b>Male Subtotal</b>	<b>193 (48%)</b>	<b>181 (45%)</b>	<b>12 (3%)</b>	<b>12 (3%)</b>	<b>398 (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 **	11 (17%)	0 (0%)	0 (0%)	14 (13%)
Blood Products	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Heterosexual	25 (69%)	38 (58%)	5 (100%)	<5 **	72 (65%)
<i>HRH</i>	14 (39%)	19 (29%)	<5 **	<5 **	37 (34%)
<i>PH-Female</i>	11 (31%)	19 (29%)	<5 **	<5 **	35 (32%)
Perinatal	0 (0%)	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined*	8 (22%)	15 (23%)	0 (0%)	0 (0%)	23 (21%)
<b>Female Subtotal</b>	<b>36 (33%)</b>	<b>65 (59%)</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	123 (54%)	102 (41%)	10 (59%)	5 (31%)	240 (47%)
Injecting Drug Use	11 (5%)	17 (7%)	0 (0%)	0 (0%)	28 (6%)
Male-Male Sex/IDU	11 (5%)	8 (3%)	0 (0%)	<5 **	20 (4%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual	29 (13%)	47 (19%)	6 (35%)	<5 **	86 (17%)
<i>HRH</i>	18 (8%)	28 (11%)	<5 **	<5 **	51 (10%)
<i>PH-Female</i>	11 (5%)	19 (8%)	<5 **	<5 **	35 (7%)
Perinatal	0 (0%)	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined	53 (23%)	69 (28%)	<5 **	6 (38%)	129 (25%)
<i>PH-Male</i>	21 (9%)	29 (12%)	<5 **	<5 **	55 (11%)
<i>Unknown</i>	32 (14%)	40 (16%)	0 (0%)	<5 **	74 (15%)
<b>RACE TOTAL</b>	<b>229 (45%)</b>	<b>246 (48%)</b>	<b>17 (3%)</b>	<b>16 (3%)</b>	<b>508 (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**

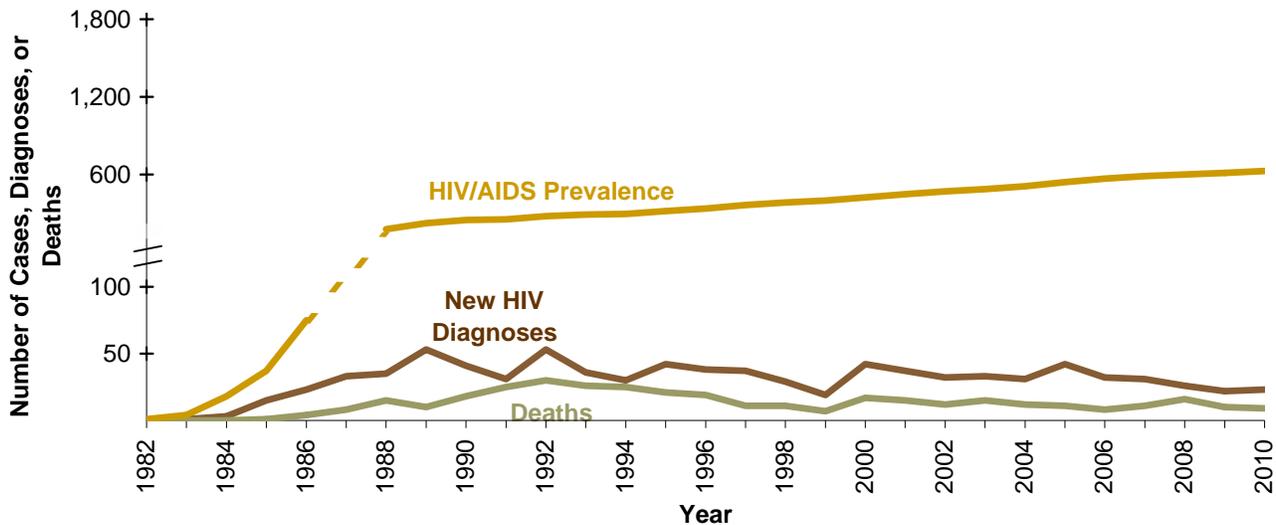
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	3	0	4	1	0	2
1985	15	1	18	2	1	3
1986	23	4	37	5	4	4
1987	33	8	62	19	7	16
1988	35	15	82	20	13	23
1989	53	10	125	30	10	43
1990	41	18	148	29	18	54
1991	31	25	154	23	25	52
1992	53	30	177	31	28	55
1993	36	26	187	24	22	57
1994	30	25	192	27	19	65
1995	42	21	213	29	15	79
1996	38	19	232	28	16	91
1997	37	11	258	26	10	107
1998	29	11	276	25	11	121
1999	19	7	288	19	5	135
2000	42	17	313	20	15	140
2001	37	15	335	13	9	144
2002	32	12	355	25	9	160
2003	33	15	373	16	9	167
2004	31	12	392	11	5	173
2005	42	11	423	30	7	196
2006	32	8	447	27	6	217
2007	31	11	467	31	7	241
2008	26	16	477	15	13	243
2009	22	10	489	13	9	247
2010	23	9	503	8	8	247
2011	6	1	<b>508</b>	1	1	<b>247</b>
<b>TOTAL</b>	<b>876</b>	<b>368</b>		<b>549</b>	<b>302</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 508. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 247.

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.	690	261	247	508	118	549
Michigan Total	19,500	6,783	7,831	14,614	146	17,317

## 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 2011, 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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