

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

	EST PREV*	REPORTED PREVALENCE[†]						CENSUS 2006 ESTIMATES	
		HIV, not AIDS		AIDS		Total		Rate per 100,000[§]	
	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent
RACE/ ETHNICITY[¶]									
White	310	104	(44%)	116	(48%)	220	(46%)	66.7	329,962 (75%)
Black	330	121	(51%)	113	(47%)	234	(49%)	268.7	87,086 (20%)
Hispanic	20	6	(3%)	8	(3%)	14	(3%)	133.6	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%)
SEX & RACE									
Males	520	167	(71%)	198	(83%)	365	(77%)	171.6	212,688 (48%)
White Males	270	82	(35%)	104	(43%)	186	(39%)	115.7	160,734 (36%)
Black Males	240	79	(33%)	87	(36%)	166	(35%)	416.0	39,902 (9%)
Hispanic Males	10	<5	**	6	(3%)	10	(2%)	192.8	5,186 (1%)
Other Males	10	<5	**	<5	**	<5	**	**	6,866 (2%)
Females	160	69	(29%)	42	(18%)	111	(23%)	48.4	229,278 (52%)
White Females	50	22	(9%)	12	(5%)	34	(7%)	20.1	169,228 (38%)
Black Females	100	42	(18%)	26	(11%)	68	(14%)	144.1	47,184 (11%)
Hispanic Fmls	10	<5	**	<5	**	<5	**	**	5,291 (1%)
Other Females	10	<5	**	<5	**	5	(1%)	---	7,575 (2%)
RISK*									
Male-Male Sex	300	88	(37%)	125	(52%)	213	(45%)	N/A	N/A N/A
Injection Drug Use	50	22	(9%)	14	(6%)	36	(8%)	N/A	N/A N/A
MSM/IDU	20	5	(2%)	8	(3%)	13	(3%)	N/A	N/A N/A
Blood Products	10	<5	**	<5	**	6	(1%)	N/A	N/A N/A
Heterosexual	110	45	(19%)	34	(14%)	79	(17%)	N/A	N/A N/A
HRH	60	24	(10%)	21	(9%)	45	(9%)	N/A	N/A N/A
PH-Female	50	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	180	68	(29%)	56	(23%)	124	(26%)	N/A	N/A N/A
PH-Male	70	23	(10%)	29	(12%)	52	(11%)	N/A	N/A N/A
Unknown	100	45	(19%)	27	(11%)	72	(15%)	N/A	N/A N/A
AGE AT HIV DIAGNOSIS									
0 - 12 years	10	5	(2%)	0	(0%)	5	(1%)	N/A	N/A N/A
13 - 19 years	40	20	(8%)	7	(3%)	27	(6%)	N/A	N/A N/A
20 - 24 years	90	41	(17%)	20	(8%)	61	(13%)	N/A	N/A N/A
25 - 29 years	120	37	(16%)	44	(18%)	81	(17%)	N/A	N/A N/A
30 - 39 years	250	68	(29%)	104	(43%)	172	(36%)	N/A	N/A N/A
40 - 49 years	130	44	(19%)	45	(19%)	89	(19%)	N/A	N/A N/A
50 - 59 years	50	19	(8%)	14	(6%)	33	(7%)	N/A	N/A N/A
60 years and over	10	<5	**	6	(3%)	8	(2%)	N/A	N/A N/A
Unspecified	0	0	(0%)	0	(0%)	0	(0%)	N/A	N/A N/A
TOTAL	680	236	(100%)	240	(100%)	476	(100%)	108	441,966 (100%)

*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.

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

[§] To calculate "1 out of x" statements, divide the census number by total reported prevalence. For example, for non-Hispanic whites: 329,962 / 220 = 1,500. Thus, 1 out of every 1,500 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 "----".

[¶] 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.

MALES	White	Black	Hispanic	Other or Unknown	Male Subtotal
Male-Male sex	119 (64%)	86 (52%)	7 (70%)	<5 **	213 (58%)
Injecting Drug Use	9 (5%)	10 (6%)	0 (0%)	0 (0%)	19 (5%)
Male-Male Sex/IDU	7 (4%)	5 (3%)	<5 **	0 (0%)	13 (4%)
Blood Products	<5 **	<5 **	0 (0%)	0 (0%)	6 (2%)
Heterosexual*	5 (3%)	6 (4%)	0 (0%)	0 (0%)	11 (3%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined	41 (22%)	55 (33%)	<5 **	<5 **	100 (27%)
<i>PH-Male</i>	18 (10%)	33 (20%)	<5 **	0 (0%)	52 (14%)
<i>Unknown</i>	23 (12%)	22 (13%)	<5 **	<5 **	48 (13%)
Male Subtotal	186 (51%)	166 (45%)	10 (3%)	<5 **	365 (100%)
FEMALES	White	Black	Hispanic	Other or Unknown	Female Subtotal
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	24 (71%)	36 (53%)	<5 **	<5 **	68 (61%)
<i>HRH</i>	13 (38%)	18 (26%)	<5 **	<5 **	34 (31%)
<i>PH-Female</i>	11 (32%)	18 (26%)	<5 **	<5 **	34 (31%)
Perinatal	0 (0%)	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined*	7 (21%)	16 (24%)	0 (0%)	<5 **	24 (22%)
Female Subtotal	34 (31%)	68 (61%)	<5 **	5 (5%)	111 (100%)
TOTAL	White	Black	Hispanic	Other or Unknown	Risk Total
Male-Male sex	119 (54%)	86 (37%)	7 (50%)	<5 **	213 (45%)
Injecting Drug Use	12 (5%)	24 (10%)	0 (0%)	0 (0%)	36 (8%)
Male-Male Sex/IDU	7 (3%)	5 (2%)	<5 **	0 (0%)	13 (3%)
Blood Products	<5 **	<5 **	0 (0%)	0 (0%)	6 (1%)
Heterosexual	29 (13%)	42 (18%)	<5 **	<5 **	79 (17%)
<i>HRH</i>	18 (8%)	24 (10%)	<5 **	<5 **	45 (9%)
<i>PH-Female</i>	11 (5%)	18 (8%)	<5 **	<5 **	34 (7%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	5 (1%)
Undetermined	48 (22%)	71 (30%)	<5 **	<5 **	124 (26%)
<i>PH-Male</i>	18 (8%)	33 (14%)	<5 **	0 (0%)	52 (11%)
<i>Unknown</i>	30 (14%)	38 (16%)	<5 **	<5 **	72 (15%)
RACE TOTAL	220 (46%)	234 (49%)	14 (3%)	8 (2%)	476 (100%)

*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[†]</i>			
		<i>HIV, not AIDS</i>	<i>AIDS</i>	<i>Total</i>	
				<i>Number</i>	<i>Percent</i>
Atlas	10	0	<5	<5	**
Burton	30	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	490	177	169	346	(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	13	23	(5%)
Holly	10	<5	0	<5	**
Lennon	10	<5	<5	<5	**
Linden	10	<5	<5	<5	**
Montrose	10	<5	0	<5	**
Mount Morris	30	9	13	22	(5%)
Swartz Creek	10	<5	<5	6	(1%)
UNKNOWN	10	<5	<5	<5	**
TOTAL	680	236	240	476	(100%)

*See page 5 for descriptions of prevalence estimate calculations.

[†] Includes reports that contain patient name or are otherwise unduplicated. <5 and ** = 1, 2, 3, or 4 cases.

TABLE 4. New Diagnoses, Deaths, and Prevalence of HIV/AIDS in GENESEE CO. by Year

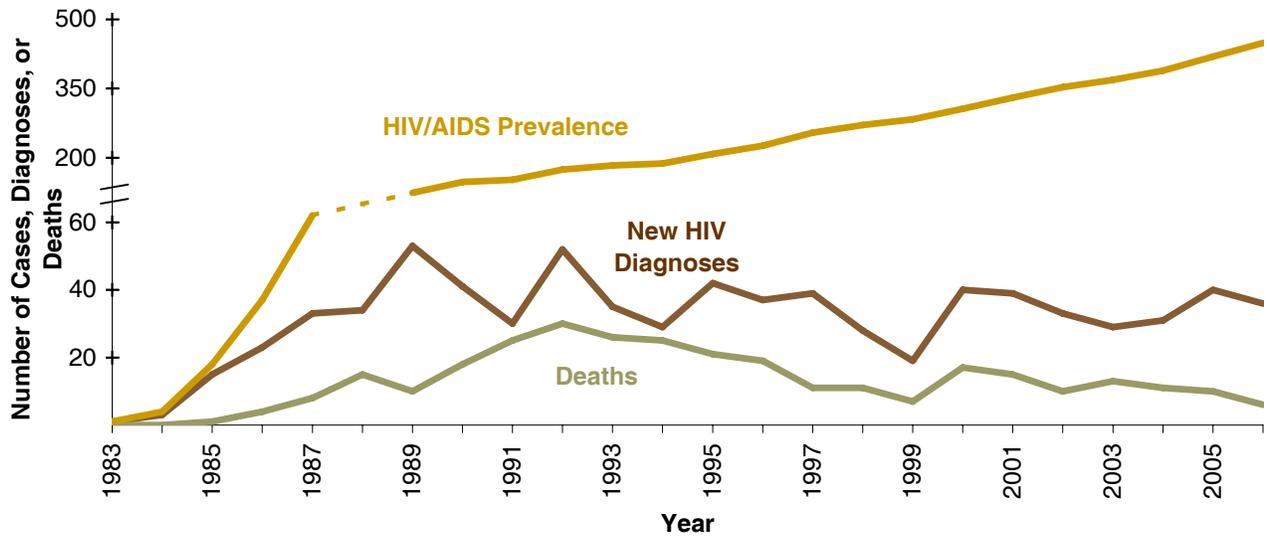
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	3	0	4	1	0	2
1985	15	1	18	2	1	3
1986	23	4	37	5	4	4
1987	33	8	62	19	7	16
1988	34	15	81	20	13	23
1989	53	10	124	30	10	43
1990	41	18	147	29	18	54
1991	30	25	152	23	25	52
1992	52	30	174	31	28	55
1993	35	26	183	24	22	57
1994	29	25	187	26	19	64
1995	42	21	208	29	15	78
1996	37	19	226	28	16	90
1997	39	11	254	26	10	106
1998	28	11	271	23	11	118
1999	19	7	283	18	5	131
2000	40	17	306	20	15	136
2001	39	15	330	13	9	140
2002	33	10	353	25	9	156
2003	29	13	369	15	9	162
2004	31	11	389	11	4	169
2005	40	10	419	27	7	189
2006	36	6	449	29	6	212
2007	33	6	476	32	4	240
TOTAL	795	319		507	267	

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 476. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 240.

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 5. 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.	680	236	240	476	108	507
Michigan Total	18,000	6,325	6,995	13,320	132	15,579

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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