

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

	EST PREV*	REPORTED PREVALENCE[†]						CENSUS 2007 ESTIMATES		
		HIV, not AIDS		AIDS		Total		Rate per 100,000[§]	Number Percent	
	Number	Number	Percent	Number	Percent	Number	Percent			Number
RACE/ ETHNICITY[¶]										
White	300	114	(43%)	119	(47%)	233	(45%)	72.5	321,213	(75%)
Black	340	140	(53%)	119	(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%)
SEX & RACE										
Males	530	192	(73%)	213	(84%)	405	(78%)	196.4	206,171	(48%)
White Males	260	92	(35%)	108	(43%)	200	(39%)	127.9	156,391	(36%)
Black Males	250	96	(37%)	94	(37%)	190	(37%)	505.1	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	71	(27%)	40	(16%)	111	(22%)	49.9	222,619	(52%)
White Females	40	22	(8%)	11	(4%)	33	(6%)	20.0	164,822	(38%)
Black Females	90	44	(17%)	25	(10%)	69	(13%)	154.2	44,735	(10%)
Hispanic Fmls	10	<5	**	<5	**	5	(1%)	---	5,425	(1%)
Other Females	10	<5	**	<5	**	<5	**	**	7,637	(2%)
RISK*										
Male-Male Sex	310	106	(40%)	133	(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	29	(11%)	20	(8%)	49	(9%)	N/A	N/A	N/A
PH-Female	40	19	(7%)	15	(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	(27%)	61	(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	51	(19%)	26	(10%)	77	(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	22	(8%)	8	(3%)	30	(6%)	N/A	N/A	N/A
20 - 24 years	90	46	(17%)	24	(9%)	70	(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	71	(27%)	105	(42%)	176	(34%)	N/A	N/A	N/A
40 - 49 years	130	51	(19%)	47	(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
TOTAL	670	263	(100%)	253	(100%)	516	(100%)	120	428,790	(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: 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 "----".

[¶] 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	126 (63%)	103 (54%)	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	46 (23%)	61 (32%)	<5 **	<5 **	110 (27%)
<i>PH-Male</i>	22 (11%)	33 (17%)	<5 **	0 (0%)	56 (14%)
<i>Unknown</i>	24 (12%)	28 (15%)	0 (0%)	<5 **	54 (13%)
Male Subtotal	200 (49%)	190 (47%)	11 (3%)	<5 **	405 (100%)
FEMALES	White	Black	Hispanic	Other or Unknown	Female Subtotal
Injecting Drug Use	<5 **	14 (20%)	0 (0%)	0 (0%)	17 (15%)
Blood Products	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Heterosexual	22 (67%)	38 (55%)	5 (100%)	<5 **	69 (62%)
<i>HRH</i>	12 (36%)	20 (29%)	<5 **	<5 **	35 (32%)
<i>PH-Female</i>	10 (30%)	18 (26%)	<5 **	<5 **	34 (31%)
Perinatal	0 (0%)	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined*	8 (24%)	15 (22%)	0 (0%)	0 (0%)	23 (21%)
Female Subtotal	33 (30%)	69 (62%)	5 (5%)	<5 **	111 (100%)
TOTAL	White	Black	Hispanic	Other or Unknown	Risk Total
Male-Male sex	126 (54%)	103 (40%)	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%)	29 (11%)	<5 **	<5 **	49 (9%)
<i>PH-Female</i>	10 (4%)	18 (7%)	<5 **	<5 **	34 (7%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	5 (1%)
Undetermined	54 (23%)	76 (29%)	<5 **	<5 **	133 (26%)
<i>PH-Male</i>	22 (9%)	33 (13%)	<5 **	0 (0%)	56 (11%)
<i>Unknown</i>	32 (14%)	43 (17%)	0 (0%)	<5 **	77 (15%)
RACE TOTAL	233 (45%)	259 (50%)	16 (3%)	8 (2%)	516 (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. New Diagnoses, Deaths, and Prevalence of HIV/AIDS in GENESEE CO. by Year

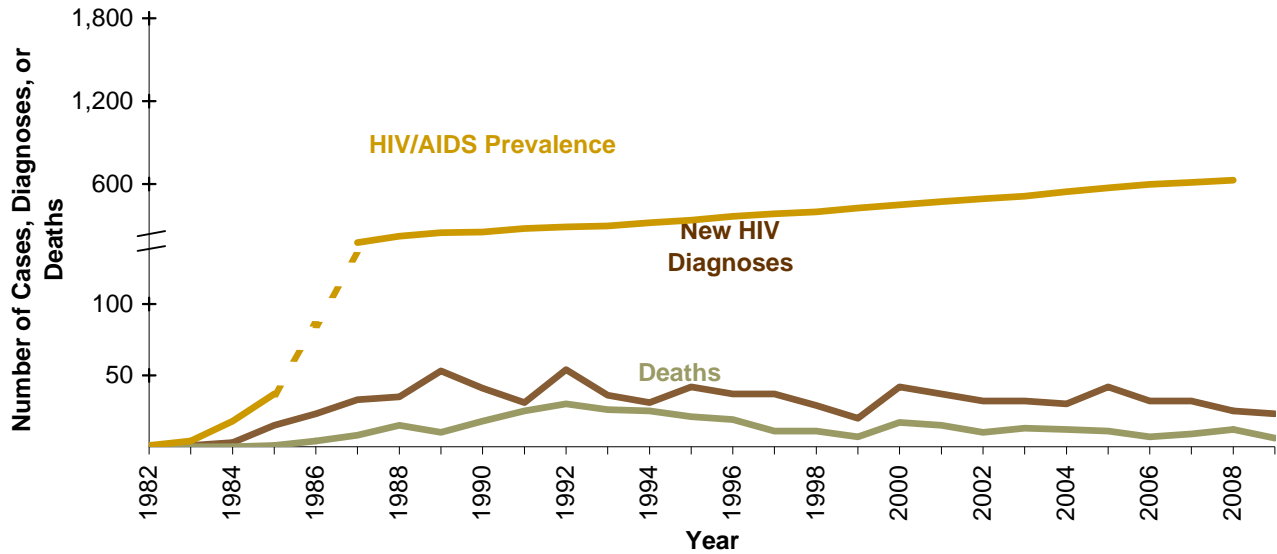
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	3	0	4	1	0	2
1985	15	1	18	2	1	3
1986	23	4	37	5	4	4
1987	33	8	62	19	7	16
1988	35	15	82	20	13	23
1989	53	10	125	30	10	43
1990	41	18	148	29	18	54
1991	31	25	154	23	25	52
1992	54	30	178	31	28	55
1993	36	26	188	24	22	57
1994	31	25	194	27	19	65
1995	42	21	215	29	15	79
1996	37	19	233	27	16	90
1997	37	11	259	26	10	106
1998	29	11	277	25	11	120
1999	20	7	290	19	5	134
2000	42	17	315	20	15	139
2001	37	15	337	13	9	143
2002	32	10	359	25	9	159
2003	32	13	378	16	9	166
2004	30	12	396	11	5	172
2005	42	11	427	27	7	192
2006	32	7	452	27	6	213
2007	32	9	475	32	5	240
2008	25	12	488	16	11	245
2009	23	6	505	13	6	252
2010	12	1	516	2	1	253
TOTAL	860	344		540	287	

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 253.

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>Rate</i>	<i>Cumulative AIDS</i>
		<i>HIV, not AIDS</i>	<i>AIDS</i>	<i>Total</i>		
Genesee Co.	670	263	253	516	120	540
Michigan Total	18,800	6,776	7,910	14,686	147	16,954

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