

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

	EST PREV*	REPORTED PREVALENCE[†]						CENSUS 2006 ESTIMATES	
		HIV, not AIDS		AIDS		Total		Number	Percent
	Number	Number	Percent	Number	Percent	Number	Percent		
RACE/ ETHNICITY[¶]									
White	530	164	(67%)	206	(74%)	370	(71%)	51.0	724,978 (87%)
Black	180	64	(26%)	60	(22%)	124	(24%)	238.5	52,001 (6%)
Hispanic	20	11	(4%)	<5	**	14	(3%)	83.5	16,762 (2%)
Asian/PI	10	<5	**	<5	**	6	(1%)	---	25,056 (3%)
Am Indian/AN	10	0	(0%)	<5	**	<5	**	**	2,513 (<1%)
Multi/Unk	10	<5	**	<5	**	6	(1%)	N/A	11,551 (1%)
SEX & RACE									
Males	630	202	(82%)	239	(86%)	441	(84%)	107.7	409,649 (49%)
White Males	470	140	(57%)	190	(69%)	330	(63%)	92.7	355,991 (43%)
Black Males	130	49	(20%)	41	(15%)	90	(17%)	353.6	25,451 (3%)
Hispanic Males	20	9	(4%)	<5	**	12	(2%)	136.2	8,808 (1%)
Other Males	10	<5	**	5	(2%)	9	(2%)	---	19,399 (2%)
Females	120	43	(18%)	38	(14%)	81	(16%)	19.1	423,212 (51%)
White Females	60	24	(10%)	16	(6%)	40	(8%)	10.8	368,987 (44%)
Black Females	50	15	(6%)	19	(7%)	34	(7%)	128.1	26,550 (3%)
Hispanic Fmls	10	<5	**	0	(0%)	<5	**	**	7,954 (1%)
Other Females	10	<5	**	<5	**	5	(1%)	---	19,721 (2%)
RISK*									
Male-Male Sex	450	143	(58%)	168	(61%)	311	(60%)	N/A	N/A N/A
Injection Drug Use	50	15	(6%)	23	(8%)	38	(7%)	N/A	N/A N/A
MSM/IDU	20	10	(4%)	5	(2%)	15	(3%)	N/A	N/A N/A
Blood Products	10	<5	**	7	(3%)	10	(2%)	N/A	N/A N/A
Heterosexual	90	29	(12%)	32	(12%)	61	(12%)	N/A	N/A N/A
HRH	70	20	(8%)	27	(10%)	47	(9%)	N/A	N/A N/A
PH-Female	20	9	(4%)	5	(2%)	14	(3%)	N/A	N/A N/A
Perinatal	10	<5	**	<5	**	5	(1%)	N/A	N/A N/A
Undetermined	120	41	(17%)	41	(15%)	82	(16%)	N/A	N/A N/A
PH-Male	50	17	(7%)	21	(8%)	38	(7%)	N/A	N/A N/A
Unknown	60	24	(10%)	20	(7%)	44	(8%)	N/A	N/A N/A
AGE AT HIV DIAGNOSIS									
0 - 12 years	10	<5	**	<5	**	8	(2%)	N/A	N/A N/A
13 - 19 years	20	13	(5%)	<5	**	17	(3%)	N/A	N/A N/A
20 - 24 years	80	34	(14%)	24	(9%)	58	(11%)	N/A	N/A N/A
25 - 29 years	140	44	(18%)	51	(18%)	95	(18%)	N/A	N/A N/A
30 - 39 years	270	87	(36%)	98	(35%)	185	(35%)	N/A	N/A N/A
40 - 49 years	160	43	(18%)	71	(26%)	114	(22%)	N/A	N/A N/A
50 - 59 years	40	15	(6%)	16	(6%)	31	(6%)	N/A	N/A N/A
60 years and over	20	5	(2%)	9	(3%)	14	(3%)	N/A	N/A N/A
Unspecified	0	0	(0%)	0	(0%)	0	(0%)	N/A	N/A N/A
TOTAL	750	245 (100%)		277 (100%)		522 (100%)		63	832,861 (100%)

*See page 5 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: 724,978 / 370 = 1,959. Thus, 1 out of every 1,959 non-Hispanic white persons in MACOMB 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 MACOMB CO.

MALES	White		Black		Hispanic		Other or Unknown		Male Subtotal	
Male-Male sex	242	(73%)	54	(60%)	9	(75%)	6	(67%)	311	(71%)
Injecting Drug Use	15	(5%)	5	(6%)	<5	**	0	(0%)	21	(5%)
Male-Male Sex/IDU	13	(4%)	<5	**	0	(0%)	0	(0%)	15	(3%)
Blood Products	10	(3%)	0	(0%)	0	(0%)	0	(0%)	10	(2%)
Heterosexual*	9	(3%)	6	(7%)	0	(0%)	0	(0%)	15	(3%)
Perinatal	<5	**	<5	**	0	(0%)	0	(0%)	<5	**
Undetermined	40	(12%)	20	(22%)	<5	**	<5	**	65	(15%)
<i>PH-Male</i>	19	(6%)	17	(19%)	<5	**	<5	**	38	(9%)
<i>Unknown</i>	21	(6%)	<5	**	<5	**	<5	**	27	(6%)
Male Subtotal	330	(75%)	90	(20%)	12	(3%)	9	(2%)	441	(100%)
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal	
Injecting Drug Use	9	(23%)	6	(18%)	<5	**	<5	**	17	(21%)
Blood Products	0	(0%)	0	(0%)	0	(0%)	0	(0%)	0	(0%)
Heterosexual	24	(60%)	20	(59%)	<5	**	<5	**	46	(57%)
<i>HRH</i>	20	(50%)	10	(29%)	<5	**	<5	**	32	(40%)
<i>PH-Female</i>	<5	**	10	(29%)	0	(0%)	0	(0%)	14	(17%)
Perinatal	<5	**	0	(0%)	0	(0%)	0	(0%)	<5	**
Undetermined*	6	(15%)	8	(24%)	0	(0%)	<5	**	17	(21%)
Female Subtotal	40	(49%)	34	(42%)	<5	**	5	(6%)	81	(100%)
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total	
Male-Male sex	242	(65%)	54	(44%)	9	(64%)	6	(43%)	311	(60%)
Injecting Drug Use	24	(6%)	11	(9%)	<5	**	<5	**	38	(7%)
Male-Male Sex/IDU	13	(4%)	<5	**	0	(0%)	0	(0%)	15	(3%)
Blood Products	10	(3%)	0	(0%)	0	(0%)	0	(0%)	10	(2%)
Heterosexual	33	(9%)	26	(21%)	<5	**	<5	**	61	(12%)
<i>HRH</i>	29	(8%)	16	(13%)	<5	**	<5	**	47	(9%)
<i>PH-Female</i>	<5	**	10	(8%)	0	(0%)	0	(0%)	14	(3%)
Perinatal	<5	**	<5	**	0	(0%)	0	(0%)	5	(1%)
Undetermined	46	(12%)	28	(23%)	<5	**	6	(43%)	82	(16%)
<i>PH-Male</i>	19	(5%)	17	(14%)	<5	**	<5	**	38	(7%)
<i>Unknown</i>	27	(7%)	11	(9%)	<5	**	5	(36%)	44	(8%)
RACE TOTAL	370	(71%)	124	(24%)	14	(3%)	14	(3%)	522	(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 5 for additional details about the changes to Michigan's risk categories.

**TABLE 3. Prevalent HIV/AIDS Cases in MACOMB 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>
Armada	10	0	<5	<5	**
Center Line	10	<5	<5	<5	**
Chesterfield	10	<5	6	9	(2%)
Clinton Township	80	30	25	55	(11%)
Eastpointe	40	13	17	30	(6%)
Fraser	10	<5	<5	7	(1%)
Harrison Township	20	7	9	16	(3%)
Lenox Township	10	<5	<5	<5	**
Macomb Township	10	<5	<5	<5	**
Mount Clemens	100	36	33	69	(13%)
New Baltimore	20	5	7	12	(2%)
New Haven	10	0	<5	<5	**
Richmond	10	0	<5	<5	**
Romeo	10	<5	<5	6	(1%)
Roseville	50	19	16	35	(7%)
Shelby Township	10	<5	<5	5	(1%)
St Clair Shores	60	16	27	43	(8%)
Sterling Heights	100	33	35	68	(13%)
Utica	20	5	11	16	(3%)
Warren	170	53	64	117	(22%)
Washington	10	<5	<5	6	(1%)
UNKNOWN	20	8	<5	11	(2%)
TOTAL	750	245	277	522	(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 MACOMB CO. by Year

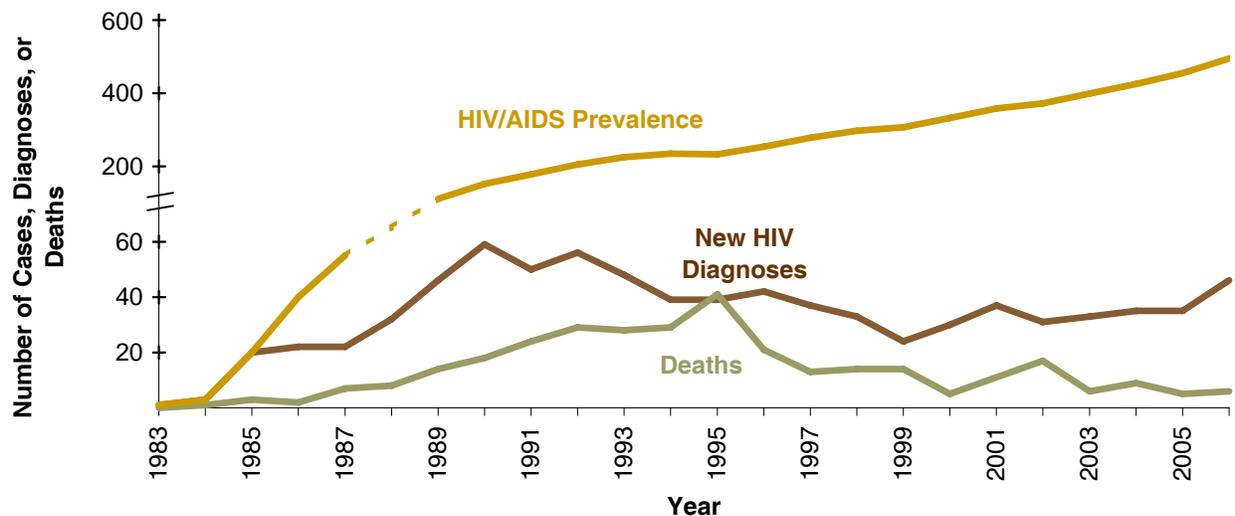
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	3	1	3	2	1	2
1985	20	3	20	2	3	1
1986	22	2	40	7	2	6
1987	22	7	55	10	7	9
1988	32	8	79	18	8	19
1989	46	14	111	30	14	35
1990	59	18	152	35	18	52
1991	50	24	178	42	24	70
1992	56	29	205	48	29	89
1993	48	28	225	46	28	107
1994	39	29	235	35	29	113
1995	39	41	233	51	39	125
1996	42	21	254	29	21	133
1997	37	13	278	25	11	147
1998	33	14	297	22	13	156
1999	24	14	307	18	14	160
2000	30	5	332	13	3	170
2001	37	11	358	22	8	184
2002	31	17	372	16	15	185
2003	33	6	399	20	6	199
2004	35	9	425	19	7	211
2005	35	5	455	24	5	230
2006	46	6	495	38	6	262
2007	33	6	522	20	5	277
TOTAL	853	331		593	316	

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 MACOMB CO. is 522. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 277.

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 MACOMB CO. by Year**TABLE 5. Comparison of HIV/AIDS Prevalence in MACOMB 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>	
Macomb Co.	750	245	277	522	63	593
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 MACOMB 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.



Jennifer M. Granholm, Governor
Janet Olszewski, Director

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