

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

	EST PREV*		REPORTED PREVALENCE[†]				CENSUS 2008 ESTIMATES	
	Number	HIV, not AIDS Number Percent	AIDS Number Percent	Total Number Percent	Rate per 100,000[§]	Number	Percent	
RACE/ ETHNICITY[¶]								
White	550	187 (61%)	230 (70%)	417 (65%)	58.7	710,858	(86%)	
Black	240	99 (32%)	81 (25%)	180 (28%)	286.3	62,861	(8%)	
Hispanic	30	15 (5%)	6 (2%)	21 (3%)	120.6	17,413	(2%)	
Asian/PI	10	<5 **	0 (0%)	<5 **	**	25,238	(3%)	
Am Indian/AN	10	<5 **	<5 **	<5 **	**	2,588	(<1%)	
Multi/Unk	20	6 (2%)	12 (4%)	18 (3%)	N/A	11,705	(1%)	
SEX & RACE								
Males	720	257 (83%)	281 (85%)	538 (84%)	131.7	408,354	(49%)	
White Males	500	163 (53%)	210 (64%)	373 (58%)	106.8	349,235	(42%)	
Black Males	170	77 (25%)	54 (16%)	131 (21%)	431.3	30,374	(4%)	
Hispanic Males	20	12 (4%)	5 (2%)	17 (3%)	188.4	9,022	(1%)	
Other Males	20	5 (2%)	12 (4%)	17 (3%)	86.2	19,723	(2%)	
Females	130	52 (17%)	49 (15%)	101 (16%)	23.9	422,309	(51%)	
White Females	60	24 (8%)	20 (6%)	44 (7%)	12.2	361,623	(44%)	
Black Females	70	22 (7%)	27 (8%)	49 (8%)	150.8	32,487	(4%)	
Hispanic Fmls	10	<5 **	<5 **	<5 **	**	8,391	(1%)	
Other Females	10	<5 **	<5 **	<5 **	**	19,808	(2%)	
RISK*								
Male-Male Sex	500	178 (58%)	197 (60%)	375 (59%)	N/A	N/A	N/A	
Injection Drug Use	60	18 (6%)	24 (7%)	42 (7%)	N/A	N/A	N/A	
MSM/IDU	20	10 (3%)	6 (2%)	16 (3%)	N/A	N/A	N/A	
Blood Products	10	<5 **	6 (2%)	9 (1%)	N/A	N/A	N/A	
Heterosexual	90	33 (11%)	38 (12%)	71 (11%)	N/A	N/A	N/A	
HRH	60	18 (6%)	26 (8%)	44 (7%)	N/A	N/A	N/A	
PH-Female	40	15 (5%)	12 (4%)	27 (4%)	N/A	N/A	N/A	
Perinatal	10	<5 **	<5 **	6 (1%)	N/A	N/A	N/A	
Undetermined	160	63 (20%)	57 (17%)	120 (19%)	N/A	N/A	N/A	
PH-Male	60	18 (6%)	29 (9%)	47 (7%)	N/A	N/A	N/A	
Unknown	100	45 (15%)	28 (8%)	73 (11%)	N/A	N/A	N/A	
AGE AT HIV DIAGNOSIS								
0 - 12 years	10	<5 **	5 (2%)	5 (1%)	N/A	N/A	N/A	
13 - 19 years	10	23 (7%)	<5 **	<5 **	N/A	N/A	N/A	
20 - 24 years	50	52 (17%)	34 (10%)	34 (5%)	N/A	N/A	N/A	
25 - 29 years	70	56 (18%)	52 (16%)	52 (8%)	N/A	N/A	N/A	
30 - 39 years	160	98 (32%)	119 (36%)	119 (19%)	N/A	N/A	N/A	
40 - 49 years	110	53 (17%)	81 (25%)	81 (13%)	N/A	N/A	N/A	
50 - 59 years	30	19 (6%)	23 (7%)	23 (4%)	N/A	N/A	N/A	
60 years and over	20	<5 **	12 (4%)	12 (2%)	N/A	N/A	N/A	
Unspecified	0	0 (0%)	0 (0%)	0 (0%)	N/A	N/A	N/A	
TOTAL	850	309 (100%)	330 (100%)	639 (100%)	77	830,663 (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: 710,858 / 417 = 1,705. Thus, 1 out of every 1,705 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	270 (72%)	82 (63%)	11 (65%)	12 (71%)	375 (70%)
Injecting Drug Use	15 (4%)	6 (5%)	<5 **	0 (0%)	22 (4%)
Male-Male Sex/IDU	14 (4%)	<5 **	0 (0%)	0 (0%)	16 (3%)
Blood Products	8 (2%)	0 (0%)	0 (0%)	<5 **	9 (2%)
Heterosexual*	10 (3%)	<5 **	0 (0%)	0 (0%)	13 (2%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined	55 (15%)	35 (27%)	5 (29%)	<5 **	99 (18%)
<i>PH-Male</i>	24 (6%)	19 (15%)	<5 **	<5 **	47 (9%)
<i>Unknown</i>	31 (8%)	16 (12%)	<5 **	<5 **	52 (10%)
Male Subtotal	373 (69%)	131 (24%)	17 (3%)	17 (3%)	538 (100%)
FEMALES	White	Black	Hispanic	Other or Unknown	Female Subtotal
Injecting Drug Use	11 (25%)	8 (16%)	<5 **	0 (0%)	20 (20%)
Blood Products	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Heterosexual	25 (57%)	28 (57%)	<5 **	<5 **	58 (57%)
<i>HRH</i>	19 (43%)	10 (20%)	<5 **	0 (0%)	31 (31%)
<i>PH-Female</i>	6 (14%)	18 (37%)	<5 **	<5 **	27 (27%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	<5 **
Undetermined*	7 (16%)	12 (24%)	0 (0%)	<5 **	21 (21%)
Female Subtotal	44 (44%)	49 (49%)	<5 **	<5 **	101 (100%)
TOTAL	White	Black	Hispanic	Other or Unknown	Risk Total
Male-Male sex	270 (65%)	82 (46%)	11 (52%)	12 (57%)	375 (59%)
Injecting Drug Use	26 (6%)	14 (8%)	<5 **	0 (0%)	42 (7%)
Male-Male Sex/IDU	14 (3%)	<5 **	0 (0%)	0 (0%)	16 (3%)
Blood Products	8 (2%)	0 (0%)	0 (0%)	<5 **	9 (1%)
Heterosexual	35 (8%)	31 (17%)	<5 **	<5 **	71 (11%)
<i>HRH</i>	29 (7%)	13 (7%)	<5 **	0 (0%)	44 (7%)
<i>PH-Female</i>	6 (1%)	18 (10%)	<5 **	<5 **	27 (4%)
Perinatal	<5 **	<5 **	0 (0%)	0 (0%)	6 (1%)
Undetermined	62 (15%)	47 (26%)	5 (24%)	6 (29%)	120 (19%)
<i>PH-Male</i>	24 (6%)	19 (11%)	<5 **	<5 **	47 (7%)
<i>Unknown</i>	38 (9%)	28 (16%)	<5 **	<5 **	73 (11%)
RACE TOTAL	417 (65%)	180 (28%)	21 (3%)	21 (3%)	639 (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 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 Township	10	<5	<5	7	(1%)
Clinton Township	100	43	34	77	(12%)
Eastpointe	50	16	20	36	(6%)
Fraser	10	5	<5	9	(1%)
Harrison Township	30	7	12	19	(3%)
Lenox Township	10	0	<5	<5	**
Macomb Township	20	6	7	13	(2%)
Mount Clemens	90	38	30	68	(11%)
New Baltimore	30	10	9	19	(3%)
New Haven	10	<5	<5	5	(1%)
Richmond	10	<5	<5	<5	**
Romeo	10	<5	<5	6	(1%)
Roseville	60	26	17	43	(7%)
Shelby Township	10	<5	5	6	(1%)
St Clair Shores	60	19	28	47	(7%)
Sterling Heights	110	40	46	86	(13%)
Utica	30	9	15	24	(4%)
Warren	200	71	81	152	(24%)
Washington Township	10	<5	<5	6	(1%)
UNKNOWN	10	<5	<5	7	(1%)
TOTAL	850	309	330	639	(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 3. New Diagnoses, Deaths, and Prevalence of HIV/AIDS in MACOMB CO. by Year

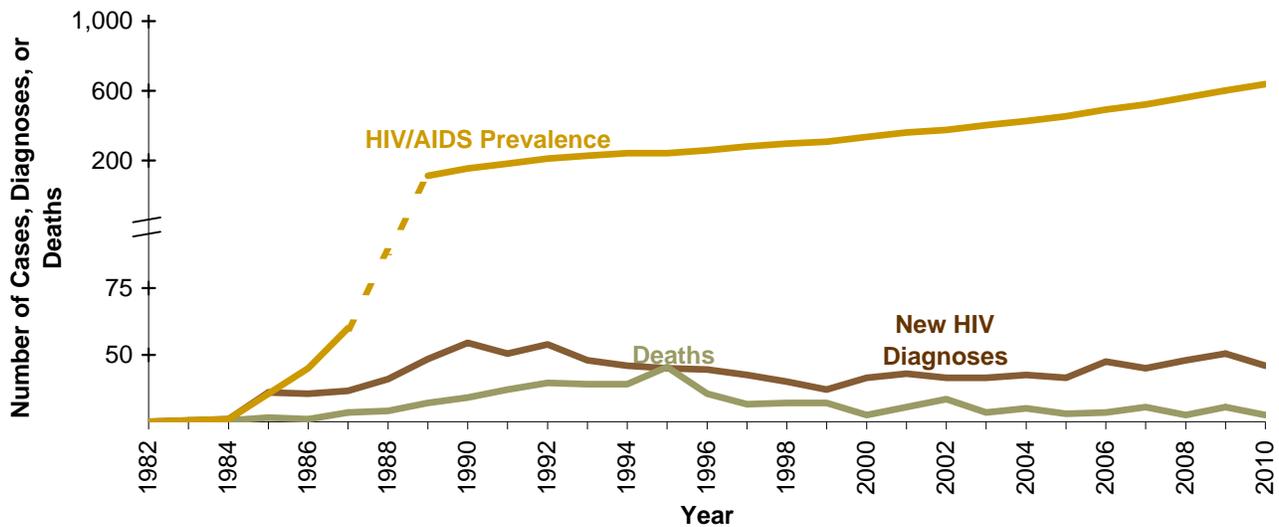
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	2	1	2	2	1	2
1985	22	3	21	2	3	1
1986	21	2	40	7	2	6
1987	23	7	56	10	7	9
1988	32	8	80	18	8	19
1989	47	14	113	30	14	35
1990	59	18	154	35	18	52
1991	51	24	181	43	24	71
1992	58	29	210	48	29	90
1993	46	28	228	46	28	108
1994	42	28	242	35	28	115
1995	40	41	241	51	39	127
1996	39	21	259	29	21	135
1997	35	13	281	24	11	148
1998	30	14	297	23	13	158
1999	24	14	307	18	14	162
2000	33	5	335	13	3	172
2001	36	11	360	22	8	186
2002	33	17	376	18	15	189
2003	33	7	402	21	7	203
2004	35	10	427	19	7	215
2005	33	6	454	23	6	232
2006	45	7	492	37	7	262
2007	40	11	521	26	9	279
2008	46	5	562	31	5	305
2009	51	11	602	14	9	310
2010	42	5	639	25	5	330
TOTAL	999	360		671	341	

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 639. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 330.

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 4. Comparison of HIV/AIDS Prevalence in MACOMB CO. to State**

Residence at Diagnosis	Estimated Prevalence	Reported Prevalence				Cumulative AIDS
		HIV, not AIDS	AIDS	Total	Rate	
MACOMB Co.	850	309	330	639	77	671
Michigan Total	19,500	6,846	8,049	14,895	149	17,184

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 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.