

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		AIDS		Total	Rate per 100,000§	Number Percent	
			Number	Percent	Number	Percent	Number	Percent		
RACE/ ETHNICITY¶										
White	560		192	(61%)	228	(68%)	420	(65%)	59.1	710,858 (86%)
Black	250		101	(32%)	85	(25%)	186	(29%)	295.9	62,861 (8%)
Hispanic	30		14	(4%)	7	(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		5	(2%)	13	(4%)	18	(3%)	N/A	11,705 (1%)
SEX & RACE										
Males	730		264	(84%)	284	(85%)	548	(85%)	134.2	408,354 (49%)
White Males	500		169	(54%)	208	(62%)	377	(58%)	108.0	349,235 (42%)
Black Males	180		79	(25%)	57	(17%)	136	(21%)	447.8	30,374 (4%)
Hispanic Males	20		11	(4%)	6	(2%)	17	(3%)	188.4	9,022 (1%)
Other Males	20		5	(2%)	13	(4%)	18	(3%)	91.3	19,723 (2%)
Females	130		50	(16%)	50	(15%)	100	(15%)	23.7	422,309 (51%)
White Females	60		23	(7%)	20	(6%)	43	(7%)	11.9	361,623 (44%)
Black Females	70		22	(7%)	28	(8%)	50	(8%)	153.9	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	510		189	(60%)	196	(59%)	385	(59%)	N/A	N/A N/A
Injection Drug Use	50		17	(5%)	24	(7%)	41	(6%)	N/A	N/A N/A
MSM/IDU	20		9	(3%)	7	(2%)	16	(2%)	N/A	N/A N/A
Blood Products	10		<5	**	6	(2%)	9	(1%)	N/A	N/A N/A
Heterosexual	90		31	(10%)	39	(12%)	70	(11%)	N/A	N/A N/A
HRH	60		18	(6%)	26	(8%)	44	(7%)	N/A	N/A N/A
PH-Female	30		13	(4%)	13	(4%)	26	(4%)	N/A	N/A N/A
Perinatal	10		<5	**	<5	**	7	(1%)	N/A	N/A N/A
Undetermined	160		61	(19%)	59	(18%)	120	(19%)	N/A	N/A N/A
PH-Male	60		18	(6%)	28	(8%)	46	(7%)	N/A	N/A N/A
Unknown	100		43	(14%)	31	(9%)	74	(11%)	N/A	N/A N/A
AGE AT HIV DIAGNOSIS										
0 - 12 years	10		<5	**	5	(1%)	9	(1%)	N/A	N/A N/A
13 - 19 years	40		26	(8%)	5	(1%)	31	(5%)	N/A	N/A N/A
20 - 24 years	120		51	(16%)	36	(11%)	87	(13%)	N/A	N/A N/A
25 - 29 years	140		57	(18%)	52	(16%)	109	(17%)	N/A	N/A N/A
30 - 39 years	290		103	(33%)	116	(35%)	219	(34%)	N/A	N/A N/A
40 - 49 years	180		50	(16%)	86	(26%)	136	(21%)	N/A	N/A N/A
50 - 59 years	60		19	(6%)	23	(7%)	42	(6%)	N/A	N/A N/A
60 years and over	20		<5	**	11	(3%)	15	(2%)	N/A	N/A N/A
Unspecified	0		0	(0%)	0	(0%)	0	(0%)	N/A	N/A N/A
TOTAL	860		314 (100%)		334 (100%)		648 (100%)		78	830,663 ###

*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 / 420 = 1,693. Thus, 1 out of every 1,693 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	275	(73%)	87	(64%)	11	(65%)	12	(67%)	385 (70%)
Injecting Drug Use	15	(4%)	6	(4%)	<5	**	<5	**	23 (4%)
Male-Male Sex/IDU	15	(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 (1%)
Undetermined	53	(14%)	35	(26%)	5	(29%)	<5	**	97 (18%)
<i>PH-Male</i>	22	(6%)	20	(15%)	<5	**	<5	**	46 (8%)
<i>Unknown</i>	31	(8%)	15	(11%)	<5	**	<5	**	51 (9%)
Male Subtotal	377	(69%)	136	(25%)	17	(3%)	18	(3%)	548 #####
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal
Injecting Drug Use	10	(23%)	7	(14%)	<5	**	0	(0%)	18 (18%)
Blood Products	0	(0%)	0	(0%)	0	(0%)	0	(0%)	0 (0%)
Heterosexual	25	(58%)	28	(56%)	<5	**	<5	**	57 (57%)
<i>HRH</i>	19	(44%)	10	(20%)	<5	**	0	(0%)	31 (31%)
<i>PH-Female</i>	6	(14%)	18	(36%)	<5	**	<5	**	26 (26%)
Perinatal	<5	**	<5	**	0	(0%)	0	(0%)	<5 **
Undetermined*	7	(16%)	14	(28%)	0	(0%)	<5	**	23 (23%)
Female Subtotal	43	(43%)	50	(50%)	<5	**	<5	**	100 #####
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total
Male-Male sex	275	(65%)	87	(47%)	11	(52%)	12	(57%)	385 (59%)
Injecting Drug Use	25	(6%)	13	(7%)	<5	**	<5	**	41 (6%)
Male-Male Sex/IDU	15	(4%)	<5	**	0	(0%)	0	(0%)	16 (2%)
Blood Products	8	(2%)	0	(0%)	0	(0%)	<5	**	9 (1%)
Heterosexual	35	(8%)	31	(17%)	<5	**	<5	**	70 (11%)
<i>HRH</i>	29	(7%)	13	(7%)	<5	**	0	(0%)	44 (7%)
<i>PH-Female</i>	6	(1%)	18	(10%)	<5	**	<5	**	26 (4%)
Perinatal	<5	**	5	(3%)	0	(0%)	0	(0%)	7 (1%)
Undetermined	60	(14%)	49	(26%)	5	(24%)	6	(29%)	120 (19%)
<i>PH-Male</i>	22	(5%)	20	(11%)	<5	**	<5	**	46 (7%)
<i>Unknown</i>	38	(9%)	29	(16%)	<5	**	<5	**	74 (11%)
RACE TOTAL	420	(65%)	186	(29%)	21	(3%)	21	(3%)	648 ##

*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	(1%)
Chesterfield Township	10	<5	<5	7	(1%)
Clinton Township	110	42	39	81	(13%)
Eastpointe	50	16	22	38	(6%)
Fraser	10	5	<5	8	(1%)
Harrison Township	30	7	13	20	(3%)
Lenox Township	10	0	<5	<5	**
Macomb Township	20	6	7	13	(2%)
Mount Clemens	90	39	29	68	(10%)
New Baltimore	30	10	9	19	(3%)
New Haven	10	<5	<5	<5	**
Richmond	10	<5	<5	<5	**
Romeo	10	<5	<5	6	(1%)
Roseville	60	27	18	45	(7%)
Shelby Township	10	<5	5	6	(1%)
St Clair Shores	60	19	27	46	(7%)
Sterling Heights	120	42	45	87	(13%)
Utica	30	9	15	24	(4%)
Warren	200	73	80	153	(24%)
Washington Township	10	<5	<5	6	(1%)
UNKNOWN	10	<5	<5	7	(1%)
TOTAL	860	314	334	648	(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	22	2	41	7	2	6
1987	22	7	56	10	7	9
1988	32	8	80	18	8	19
1989	48	14	114	30	14	35
1990	59	18	155	35	18	52
1991	51	24	182	43	24	71
1992	58	29	211	48	29	90
1993	46	29	228	46	29	107
1994	42	29	241	36	29	114
1995	40	41	240	51	39	126
1996	39	21	258	29	21	134
1997	34	13	279	24	11	147
1998	30	14	295	23	13	157
1999	24	14	305	18	14	161
2000	34	5	334	13	3	171
2001	36	11	359	22	8	185
2002	34	17	376	18	15	188
2003	33	8	401	21	7	202
2004	35	11	425	19	8	213
2005	34	6	453	23	6	230
2006	46	7	492	36	7	259
2007	40	15	517	26	13	272
2008	46	6	557	30	6	296
2009	53	10	600	15	8	303
2010	47	8	639	30	8	325
2011 [†]	11	2	648	11	2	334
TOTAL	1,021	373		687	353	

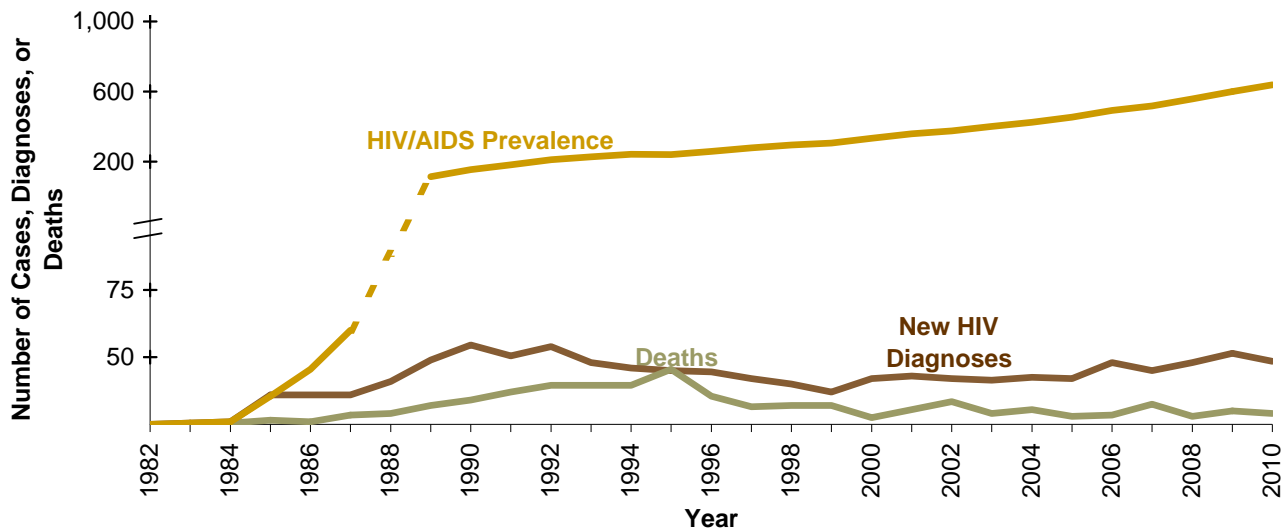
[†] Reporting for 2011 is incomplete at this time.

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 648. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 334.

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**

<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.	860	314	334	648	78	687
Michigan Total	19,500	6,871	7,934	14,805	148	17,439

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.