

TABLE 1. Demographic Information on Prevalent HIV/AIDS Cases Living in SOUTHEAST MICHIGAN[‡] at Diagnosis

	EST PREV*	REPORTED PREVALENCE[†]						CENSUS 2007 ESTIMATES	
		HIV, not AIDS		AIDS		Total		Rate per 100,000[§]	
	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent
RACE/ ETHNICITY[¶]									
White	3,220	1,109	(27%)	1,362	(27%)	2,471	(27%)	81.3	3,040,291 (69%)
Black	8,190	2,869	(69%)	3,420	(68%)	6,289	(68%)	613.6	1,024,932 (23%)
Hispanic	350	120	(3%)	148	(3%)	268	(3%)	164.8	162,648 (4%)
Asian/PI	50	19	(<1%)	23	(<1%)	42	(<1%)	30.0	140,182 (3%)
Am Indian/AN	20	9	(<1%)	6	(<1%)	15	(<1%)	117.3	12,789 (<1%)
Multi/Unk	160	52	(1%)	69	(1%)	121	(1%)	N/A	57,164 (1%)
SEX & RACE									
Males	9,090	3,089	(74%)	3,889	(77%)	6,978	(76%)	322.0	2,167,109 (49%)
White Males	2,850	947	(23%)	1,240	(25%)	2,187	(24%)	145.5	1,502,774 (34%)
Black Males	5,800	1,992	(48%)	2,458	(49%)	4,450	(48%)	939.6	473,589 (11%)
Hispanic Males	270	94	(2%)	115	(2%)	209	(2%)	243.9	85,707 (2%)
Other Males	170	56	(1%)	76	(2%)	132	(1%)	125.7	105,039 (2%)
Females	2,900	1,089	(26%)	1,139	(23%)	2,228	(24%)	98.1	2,270,897 (51%)
White Females	370	162	(4%)	122	(2%)	284	(3%)	18.5	1,537,517 (35%)
Black Females	2,400	877	(21%)	962	(19%)	1,839	(20%)	333.5	551,343 (12%)
Hispanic Fmls	80	26	(1%)	33	(1%)	59	(1%)	76.7	76,941 (2%)
Other Females	60	24	(1%)	22	(<1%)	46	(<1%)	43.8	105,096 (2%)
RISK*									
Male-Male Sex	5,770	1,909	(46%)	2,524	(50%)	4,433	(48%)	N/A	N/A N/A
Injection Drug Use	1,450	430	(10%)	687	(14%)	1,117	(12%)	N/A	N/A N/A
MSM/IDU	450	135	(3%)	214	(4%)	349	(4%)	N/A	N/A N/A
Blood Products	60	15	(<1%)	32	(1%)	47	(1%)	N/A	N/A N/A
Heterosexual	2,100	769	(18%)	845	(17%)	1,614	(18%)	N/A	N/A N/A
HRH	1,470	489	(12%)	641	(13%)	1,130	(12%)	N/A	N/A N/A
PH-Female	630	280	(7%)	204	(4%)	484	(5%)	N/A	N/A N/A
Perinatal	150	76	(2%)	36	(1%)	112	(1%)	N/A	N/A N/A
Undetermined	2,000	844	(20%)	690	(14%)	1,534	(17%)	N/A	N/A N/A
PH-Male	980	361	(9%)	395	(8%)	756	(8%)	N/A	N/A N/A
Unknown	1,010	483	(12%)	295	(6%)	778	(8%)	N/A	N/A N/A
AGE AT HIV DIAGNOSIS									
0 - 12 years	160	80	(2%)	42	(1%)	122	(1%)	N/A	N/A N/A
13 - 19 years	540	268	(6%)	150	(3%)	418	(5%)	N/A	N/A N/A
20 - 24 years	1,440	639	(15%)	467	(9%)	1,106	(12%)	N/A	N/A N/A
25 - 29 years	1,870	694	(17%)	740	(15%)	1,434	(16%)	N/A	N/A N/A
30 - 39 years	4,180	1,323	(32%)	1,890	(38%)	3,213	(35%)	N/A	N/A N/A
40 - 49 years	2,690	833	(20%)	1,233	(25%)	2,066	(22%)	N/A	N/A N/A
50 - 59 years	890	269	(6%)	417	(8%)	686	(7%)	N/A	N/A N/A
60 years and over	210	69	(2%)	89	(2%)	158	(2%)	N/A	N/A N/A
Unspecified	10	<5	**	0	(0%)	<5	**	N/A	N/A N/A
TOTAL	11,990	4,178 (100%)		5,028 (100%)		9,206 (100%)		207	4,438,006 (100%)

*SOUTHEAST MICHIGAN is comprised of the following six counties: Lapeer, Macomb, Monroe, Oakland, St. Claire, and Wayne

†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: 3,040,291 / 2,471 = 1,230. Thus, 1 out of every 1,230 non-Hispanic white persons in SOUTHEAST MICHIGAN 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 SOUTHEAST MICHIGAN

MALES	White		Black		Hispanic		Other or Unknown		Male Subtotal	
Male-Male sex	1,654	(76%)	2,590	(58%)	111	(53%)	78	(59%)	4,433	(64%)
Injecting Drug Use	97	(4%)	487	(11%)	31	(15%)	6	(5%)	621	(9%)
Male-Male Sex/IDU	108	(5%)	232	(5%)	<5	**	6	(5%)	349	(5%)
Blood Products	31	(1%)	6	(<1%)	<5	**	<5	**	40	(1%)
Heterosexual*	52	(2%)	244	(5%)	14	(7%)	<5	**	313	(4%)
Perinatal	8	(<1%)	50	(1%)	<5	**	<5	**	62	(1%)
Undetermined	237	(11%)	841	(19%)	48	(23%)	34	(26%)	1,160	(17%)
<i>PH-Male</i>	146	(7%)	558	(13%)	32	(15%)	20	(15%)	756	(11%)
<i>Unknown</i>	91	(4%)	283	(6%)	16	(8%)	14	(11%)	404	(6%)
Male Subtotal	2,187	(31%)	4,450	(64%)	209	(3%)	132	(2%)	6,978	(100%)
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal	
Injecting Drug Use	62	(22%)	413	(22%)	12	(20%)	9	(20%)	496	(22%)
Blood Products	<5	**	<5	**	0	(0%)	0	(0%)	7	(<1%)
Heterosexual	175	(62%)	1,057	(57%)	41	(69%)	28	(61%)	1,301	(58%)
<i>HRH</i>	125	(44%)	649	(35%)	29	(49%)	14	(30%)	817	(37%)
<i>PH-Female</i>	50	(18%)	408	(22%)	12	(20%)	14	(30%)	484	(22%)
Perinatal	6	(2%)	41	(2%)	<5	**	<5	**	50	(2%)
Undetermined*	37	(13%)	325	(18%)	<5	**	8	(17%)	374	(17%)
Female Subtotal	284	(13%)	1,839	(83%)	59	(3%)	46	(2%)	2,228	(100%)
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total	
Male-Male sex	1,654	(67%)	2,590	(41%)	111	(41%)	78	(44%)	4,433	(48%)
Injecting Drug Use	159	(6%)	900	(14%)	43	(16%)	15	(8%)	1,117	(12%)
Male-Male Sex/IDU	108	(4%)	232	(4%)	<5	**	6	(3%)	349	(4%)
Blood Products	35	(1%)	9	(<1%)	<5	**	<5	**	47	(1%)
Heterosexual	227	(9%)	1,301	(21%)	55	(21%)	31	(17%)	1,614	(18%)
<i>HRH</i>	177	(7%)	893	(14%)	43	(16%)	17	(10%)	1,130	(12%)
<i>PH-Female</i>	50	(2%)	408	(6%)	12	(4%)	14	(8%)	484	(5%)
Perinatal	14	(1%)	91	(1%)	3	**	<5	**	112	(1%)
Undetermined	274	(11%)	1,166	(19%)	52	(19%)	42	(24%)	1,534	(17%)
<i>PH-Male</i>	146	(6%)	558	(9%)	32	(12%)	20	(11%)	756	(8%)
<i>Unknown</i>	128	(5%)	608	(10%)	20	(7%)	22	(12%)	778	(8%)
RACE TOTAL	2,471	(27%)	6,289	(68%)	268	(3%)	178	(2%)	9,206	(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 SOUTHEAST MICHIGAN According to Residence at Diagnosis

<i>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>
Lapeer Co.	40	13	16	29	(<1%)
Macomb Co.	770	273	315	588	(6%)
Monroe Co.	80	22	36	58	(1%)
Oakland Co.	2,010	738	806	1,544	(17%)
St. Clair Co.	110	45	40	85	(1%)
Wayne Co.	8,990	3,087	3,815	6,902	(75%)
<i>Out-Wayne</i>	<i>1,810</i>	<i>597</i>	<i>792</i>	<i>1,389</i>	<i>(15%)</i>
<i>Detroit</i>	<i>7,180</i>	<i>2,490</i>	<i>3,023</i>	<i>5,513</i>	<i>(60%)</i>
TOTAL	11,990	4,178	5,028	9,206	(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 SOUTHEAST MICHIGAN by Year

Year	<i>HIV/AIDS</i>			New AIDS Diagnoses	<i>AIDS</i>	
	New HIV Diagnoses	Deaths	Prevalence		Deaths	Prevalence
1981	3	2	1	3	2	1
1982	2	0	3	2	0	3
1983	18	5	16	16	5	14
1984	38	14	40	35	14	35
1985	233	42	231	68	42	61
1986	288	73	446	113	70	104
1987	429	130	745	223	124	203
1988	555	176	1,124	333	172	364
1989	808	276	1,656	475	268	571
1990	934	316	2,274	543	303	811
1991	960	367	2,867	659	351	1,119
1992	1,057	466	3,458	868	444	1,543
1993	922	593	3,787	779	560	1,762
1994	881	629	4,039	724	591	1,895
1995	831	663	4,207	736	614	2,017
1996	761	430	4,538	571	401	2,187
1997	742	309	4,971	494	272	2,409
1998	640	281	5,330	455	249	2,615
1999	506	275	5,561	410	243	2,782
2000	635	275	5,921	461	238	3,005
2001	603	264	6,260	387	220	3,172
2002	511	212	6,559	390	192	3,370
2003	591	184	6,966	422	162	3,630
2004	595	172	7,389	395	149	3,876
2005	605	186	7,808	453	170	4,159
2006	568	146	8,230	420	135	4,444
2007	552	143	8,639	379	131	4,692
2008	544	143	9,040	375	130	4,937
2009 [†]	212	46	9,206	133	42	5,028
TOTAL	16,024	6,818		11,322	6,294	

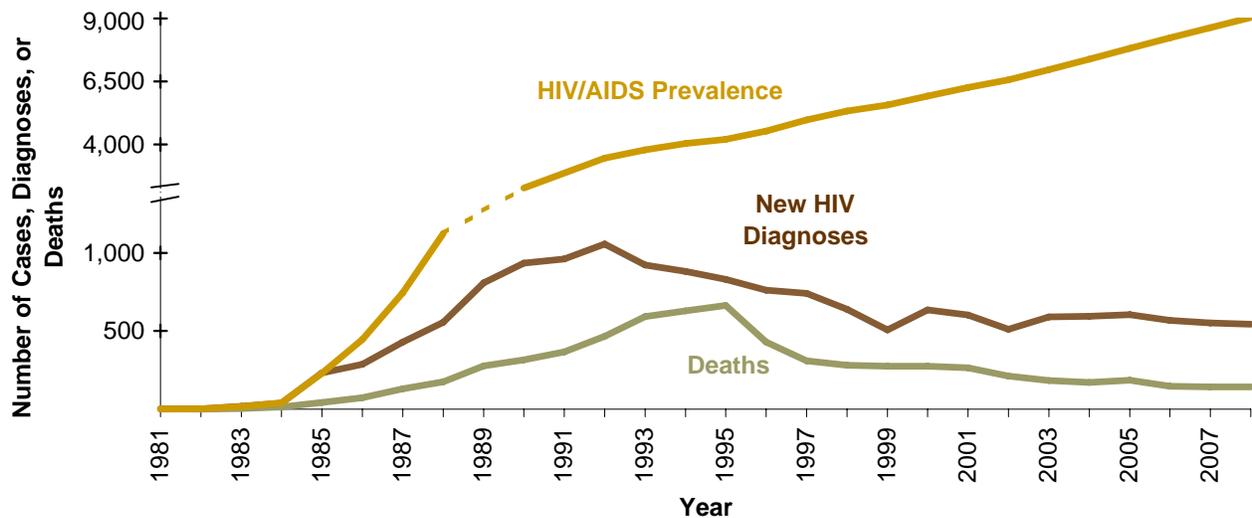
[†] Reporting for 2009 is incomplete at this time.

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 SOUTHEAST MICHIGAN is 9,206. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 5,028.

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 SOUTHEAST MICHIGAN by Year**TABLE 4. Comparison of HIV/AIDS Prevalence in SOUTHEAST MICHIGAN 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>	
SOUTHEAST Michigan	11,990	4,178	5,028	9,206	207	11,322
Michigan Total	18,200	6,565	7,584	14,149	140	16,476

ADDITIONAL NOTES

Prevalence Estimate Calculations

HIV prevalence estimates include all persons living in SOUTHEAST MICHIGAN 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 2009, 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.