

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

	<i>EST PREV*</i>	<i>REPORTED PREVALENCE[†]</i>						<i>CENSUS 2007 ESTIMATES</i>	
		<i>HIV, not AIDS</i>		<i>AIDS</i>		<i>Total</i>		<i>Rate per 100,000[§]</i>	
	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>
<i>RACE/ ETHNICITY[¶]</i>									
White	3,250	1,099	(27%)	1,343	(27%)	2,442	(27%)	80.3	3,040,291 (69%)
Black	8,170	2,819	(68%)	3,325	(68%)	6,144	(68%)	599.5	1,024,932 (23%)
Hispanic	350	121	(3%)	139	(3%)	260	(3%)	159.9	162,648 (4%)
Asian/PI	60	20	(<1%)	22	(<1%)	42	(<1%)	30.0	140,182 (3%)
Am Indian/AN	20	10	(<1%)	7	(<1%)	17	(<1%)	132.9	12,789 (<1%)
Multi/Unk	150	50	(1%)	65	(1%)	115	(1%)	N/A	57,164 (1%)
<i>SEX & RACE</i>									
Males	9,070	3,041	(74%)	3,786	(77%)	6,827	(76%)	315.0	2,167,109 (49%)
White Males	2,870	940	(23%)	1,218	(25%)	2,158	(24%)	143.6	1,502,774 (34%)
Black Males	5,770	1,949	(47%)	2,388	(49%)	4,337	(48%)	915.8	473,589 (11%)
Hispanic Males	270	95	(2%)	107	(2%)	202	(2%)	235.7	85,707 (2%)
Other Males	170	57	(1%)	73	(1%)	130	(1%)	123.8	105,039 (2%)
Females	2,920	1,078	(26%)	1,115	(23%)	2,193	(24%)	96.6	2,270,897 (51%)
White Females	380	159	(4%)	125	(3%)	284	(3%)	18.5	1,537,517 (35%)
Black Females	2,400	870	(21%)	937	(19%)	1,807	(20%)	327.7	551,343 (12%)
Hispanic Fmls	80	26	(1%)	32	(1%)	58	(1%)	75.4	76,941 (2%)
Other Females	60	23	(1%)	21	(<1%)	44	(<1%)	41.9	105,096 (2%)
<i>RISK*</i>									
Male-Male Sex	5,770	1,890	(46%)	2,452	(50%)	4,342	(48%)	N/A	N/A N/A
Injection Drug Use	1,480	432	(10%)	681	(14%)	1,113	(12%)	N/A	N/A N/A
MSM/IDU	450	133	(3%)	208	(4%)	341	(4%)	N/A	N/A N/A
Blood Products	60	15	(<1%)	32	(1%)	47	(1%)	N/A	N/A N/A
Heterosexual	2,110	751	(18%)	834	(17%)	1,585	(18%)	N/A	N/A N/A
HRH	1,490	484	(12%)	635	(13%)	1,119	(12%)	N/A	N/A N/A
PH-Female	620	267	(6%)	199	(4%)	466	(5%)	N/A	N/A N/A
Perinatal	150	79	(2%)	33	(1%)	112	(1%)	N/A	N/A N/A
Undetermined	1,970	819	(20%)	661	(13%)	1,480	(16%)	N/A	N/A N/A
PH-Male	970	348	(8%)	385	(8%)	733	(8%)	N/A	N/A N/A
Unknown	990	471	(11%)	276	(6%)	747	(8%)	N/A	N/A N/A
<i>AGE AT HIV DIAGNOSIS</i>									
0 - 12 years	160	83	(2%)	39	(1%)	122	(1%)	N/A	N/A N/A
13 - 19 years	510	247	(6%)	139	(3%)	386	(4%)	N/A	N/A N/A
20 - 24 years	1,410	622	(15%)	438	(9%)	1,060	(12%)	N/A	N/A N/A
25 - 29 years	1,870	683	(17%)	725	(15%)	1,408	(16%)	N/A	N/A N/A
30 - 39 years	4,220	1,321	(32%)	1,850	(38%)	3,171	(35%)	N/A	N/A N/A
40 - 49 years	2,700	821	(20%)	1,207	(25%)	2,028	(22%)	N/A	N/A N/A
50 - 59 years	910	269	(7%)	416	(8%)	685	(8%)	N/A	N/A N/A
60 years and over	210	70	(2%)	87	(2%)	157	(2%)	N/A	N/A N/A
Unspecified	10	<5	**	0	(0%)	<5	**	N/A	N/A N/A
TOTAL	11,990	4,119 (100%)		4,901 (100%)		9,020 (100%)		203	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 / 2,442 = 1,245. Thus, 1 out of every 1,245 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	1,637	(76%)	2,521	(58%)	108	(53%)	76	(58%)	4,342	(64%)
Injecting Drug Use	95	(4%)	491	(11%)	32	(16%)	6	(5%)	624	(9%)
Male-Male Sex/IDU	106	(5%)	226	(5%)	<5	**	6	(5%)	341	(5%)
Blood Products	31	(1%)	6	(<1%)	<5	**	<5	**	40	(1%)
Heterosexual*	48	(2%)	244	(6%)	14	(7%)	<5	**	309	(5%)
Perinatal	8	(<1%)	50	(1%)	<5	**	<5	**	62	(1%)
Undetermined	233	(11%)	799	(18%)	43	(21%)	34	(26%)	1,109	(16%)
<i>PH-Male</i>	145	(7%)	541	(12%)	28	(14%)	19	(15%)	733	(11%)
<i>Unknown</i>	88	(4%)	258	(6%)	15	(7%)	15	(12%)	376	(6%)
Male Subtotal	2,158	(32%)	4,337	(64%)	202	(3%)	130	(2%)	6,827	(100%)
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal	
Injecting Drug Use	61	(21%)	408	(23%)	12	(21%)	8	(18%)	489	(22%)
Blood Products	<5	**	<5	**	0	(0%)	0	(0%)	7	(<1%)
Heterosexual	178	(63%)	1,030	(57%)	40	(69%)	28	(64%)	1,276	(58%)
<i>HRH</i>	125	(44%)	643	(36%)	29	(50%)	13	(30%)	810	(37%)
<i>PH-Female</i>	53	(19%)	387	(21%)	11	(19%)	15	(34%)	466	(21%)
Perinatal	6	(2%)	41	(2%)	<5	**	<5	**	50	(2%)
Undetermined*	35	(12%)	325	(18%)	<5	**	7	(16%)	371	(17%)
Female Subtotal	284	(13%)	1,807	(82%)	58	(3%)	44	(2%)	2,193	(100%)
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total	
Male-Male sex	1,637	(67%)	2,521	(41%)	108	(42%)	76	(44%)	4,342	(48%)
Injecting Drug Use	156	(6%)	899	(15%)	44	(17%)	14	(8%)	1,113	(12%)
Male-Male Sex/IDU	106	(4%)	226	(4%)	<5	**	6	(3%)	341	(4%)
Blood Products	35	(1%)	9	(<1%)	<5	**	<5	**	47	(1%)
Heterosexual	226	(9%)	1,274	(21%)	54	(21%)	31	(18%)	1,585	(18%)
<i>HRH</i>	173	(7%)	887	(14%)	43	(17%)	16	(9%)	1,119	(12%)
<i>PH-Female</i>	53	(2%)	387	(6%)	11	(4%)	15	(9%)	466	(5%)
Perinatal	14	(1%)	91	(1%)	3	**	<5	**	112	(1%)
Undetermined	268	(11%)	1,124	(18%)	47	(18%)	41	(24%)	1,480	(16%)
<i>PH-Male</i>	145	(6%)	541	(9%)	28	(11%)	19	(11%)	733	(8%)
<i>Unknown</i>	123	(5%)	583	(9%)	19	(7%)	22	(13%)	747	(8%)
RACE TOTAL	2,442	(27%)	6,144	(68%)	260	(3%)	174	(2%)	9,020	(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	14	17	31	(<1%)
Macomb Co.	750	261	305	566	(6%)
Monroe Co.	80	23	34	57	(1%)
Oakland Co.	2,000	719	789	1,508	(17%)
St. Clair Co.	120	48	39	87	(1%)
Wayne Co.	9,000	3,054	3,717	6,771	(75%)
<i>Out-Wayne</i>	<i>1,820</i>	<i>599</i>	<i>771</i>	<i>1,370</i>	<i>(15%)</i>
<i>Detroit</i>	<i>7,180</i>	<i>2,455</i>	<i>2,946</i>	<i>5,401</i>	<i>(60%)</i>
TOTAL	11,990	4,119	4,901	9,020	(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

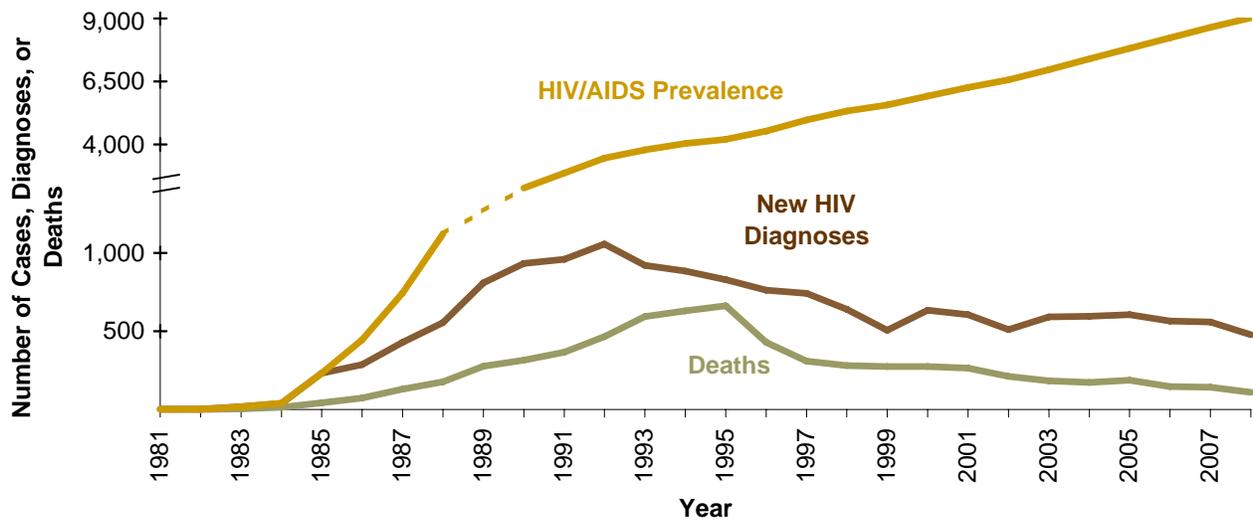
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1981	3	2	1	3	2	1
1982	2	0	3	2	0	3
1983	18	5	16	16	5	14
1984	39	14	41	35	14	35
1985	232	42	231	68	42	61
1986	287	73	445	113	70	104
1987	429	130	744	223	124	203
1988	555	176	1,123	333	172	364
1989	809	276	1,656	475	268	571
1990	933	316	2,273	543	303	811
1991	960	367	2,866	659	351	1,119
1992	1,058	466	3,458	868	444	1,543
1993	922	593	3,787	778	560	1,761
1994	884	630	4,041	724	592	1,893
1995	830	663	4,208	736	614	2,015
1996	763	430	4,541	571	401	2,185
1997	742	309	4,974	494	272	2,407
1998	640	281	5,333	454	249	2,612
1999	506	275	5,564	410	243	2,779
2000	634	275	5,923	460	238	3,001
2001	607	264	6,266	388	220	3,169
2002	511	212	6,565	388	192	3,365
2003	591	184	6,972	421	161	3,625
2004	595	172	7,395	393	149	3,869
2005	606	187	7,814	453	170	4,152
2006	566	146	8,234	420	135	4,437
2007	559	143	8,650	376	131	4,682
2008	479	109	9,020	319	100	4,901
TOTAL	15,760	6,740		11,123	6,222	

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 9,020. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 4,901.

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	4,119	4,901	9,020	203	11,123
Michigan Total	18,200	6,468	7,410	13,878	138	16,195

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.