

**TABLE 1. Demographic Information on Prevalent HIV/AIDS Cases Living in SOUTHEAST MICHIGAN<sup>‡</sup> at Diagnosis**

	<i>EST PREV*</i>	<i>REPORTED PREVALENCE<sup>†</sup></i>						<i>CENSUS 2006 ESTIMATES</i>	
		<i>HIV, not AIDS</i>		<i>AIDS</i>		<i>Total</i>		<i>Rate per 100,000<sup>§</sup></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>
<b><i>RACE/ ETHNICITY<sup>¶</sup></i></b>									
White	3,260	1094	(27%)	1335	(28%)	2429	(27%)	79.7	3,049,393 (69%)
Black	8,070	2762	(68%)	3252	(68%)	6014	(68%)	587.9	1,022,897 (23%)
Hispanic	340	118	(3%)	134	(3%)	252	(3%)	159.8	157,731 (4%)
Asian/PI	60	21	(1%)	21	(<1%)	42	(<1%)	29.9	140,681 (3%)
Am Indian/AN	20	10	(<1%)	7	(<1%)	17	(<1%)	134.1	12,681 (<1%)
Multi/Unk	130	44	(1%)	54	(1%)	98	(1%)	N/A	56,107 (1%)
<b><i>SEX &amp; RACE</i></b>									
Males	8,980	2984	(74%)	3704	(77%)	6688	(76%)	308.7	2,166,834 (49%)
White Males	2,880	941	(23%)	1206	(25%)	2147	(24%)	142.5	1,506,559 (34%)
Black Males	5,680	1900	(47%)	2332	(49%)	4232	(48%)	895.7	472,488 (11%)
Hispanic Males	260	91	(2%)	102	(2%)	193	(2%)	231.4	83,394 (2%)
Other Males	160	52	(1%)	64	(1%)	116	(1%)	111.1	104,393 (2%)
Females	2,900	1065	(26%)	1099	(23%)	2164	(24%)	95.2	2,272,656 (51%)
White Females	380	153	(4%)	129	(3%)	282	(3%)	18.3	1,542,834 (35%)
Black Females	2,390	862	(21%)	920	(19%)	1782	(20%)	323.8	550,409 (12%)
Hispanic Fmls	80	27	(1%)	32	(1%)	59	(1%)	79.4	74,337 (2%)
Other Females	60	23	(1%)	18	(<1%)	41	(<1%)	39.0	105,076 (2%)
<b><i>RISK*</i></b>									
Male-Male Sex	5,700	1850	(46%)	2394	(50%)	4244	(48%)	N/A	N/A N/A
Injection Drug Use	1,520	440	(11%)	689	(14%)	1129	(13%)	N/A	N/A N/A
MSM/IDU	450	132	(3%)	206	(4%)	338	(4%)	N/A	N/A N/A
Blood Products	60	15	(<1%)	32	(1%)	47	(1%)	N/A	N/A N/A
Heterosexual	2,070	735	(18%)	811	(17%)	1546	(17%)	N/A	N/A N/A
HRH	1,480	484	(12%)	620	(13%)	1104	(12%)	N/A	N/A N/A
PH-Female	590	251	(6%)	191	(4%)	442	(5%)	N/A	N/A N/A
Perinatal	150	78	(2%)	31	(1%)	109	(1%)	N/A	N/A N/A
Undetermined	1,930	799	(20%)	640	(13%)	1439	(16%)	N/A	N/A N/A
PH-Male	950	344	(8%)	367	(8%)	711	(8%)	N/A	N/A N/A
Unknown	980	455	(11%)	273	(6%)	728	(8%)	N/A	N/A N/A
<b><i>AGE AT HIV DIAGNOSIS</i></b>									
0 - 12 years	160	82	(2%)	37	(1%)	119	(1%)	N/A	N/A N/A
13 - 19 years	480	223	(6%)	133	(3%)	356	(4%)	N/A	N/A N/A
20 - 24 years	1,370	599	(15%)	423	(9%)	1022	(12%)	N/A	N/A N/A
25 - 29 years	1,870	681	(17%)	711	(15%)	1392	(16%)	N/A	N/A N/A
30 - 39 years	4,220	1321	(33%)	1821	(38%)	3142	(35%)	N/A	N/A N/A
40 - 49 years	2,680	811	(20%)	1184	(25%)	1995	(23%)	N/A	N/A N/A
50 - 59 years	910	266	(7%)	412	(9%)	678	(8%)	N/A	N/A N/A
60 years and over	190	63	(2%)	82	(2%)	145	(2%)	N/A	N/A N/A
Unspecified	10	<5	**	0	(0%)	<5	**	N/A	N/A N/A
<b>TOTAL</b>	<b>11,880</b>	<b>4049 (100%)</b>		<b>4803 (100%)</b>		<b>8,852 (100%)</b>		<b>199</b>	<b>4,439,490 (100%)</b>

\* 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: 3,049,393 / 2,429 = 1,255. Thus, 1 out of every 1,255 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**

<b>MALES</b>	<b>White</b>		<b>Black</b>		<b>Hispanic</b>		<b>Other or Unknown</b>		<b>Male Subtotal</b>	
Male-Male sex	1633	(76%)	2437	(58%)	105	(54%)	69	(59%)	4244	(63%)
Injecting Drug Use	95	(4%)	501	(12%)	32	(17%)	6	(5%)	634	(9%)
Male-Male Sex/IDU	101	(5%)	229	(5%)	<5	**	5	(4%)	338	(5%)
Blood Products	31	(1%)	6	(<1%)	<5	**	<5	**	40	(1%)
Heterosexual*	49	(2%)	240	(6%)	13	(7%)	<5	**	305	(5%)
Perinatal	8	(<1%)	50	(1%)	<5	**	<5	**	60	(1%)
Undetermined	230	(11%)	769	(18%)	38	(20%)	30	(26%)	1067	(16%)
<i>PH-Male</i>	146	(7%)	523	(12%)	25	(13%)	17	(15%)	711	(11%)
<i>Unknown</i>	84	(4%)	246	(6%)	13	(7%)	13	(11%)	356	(5%)
<b>Male Subtotal</b>	<b>2147</b>	<b>(32%)</b>	<b>4232</b>	<b>(63%)</b>	<b>193</b>	<b>(3%)</b>	<b>116</b>	<b>(2%)</b>	<b>6688</b>	<b>(100%)</b>
<b>FEMALES</b>	<b>White</b>		<b>Black</b>		<b>Hispanic</b>		<b>Other or Unknown</b>		<b>Female Subtotal</b>	
Injecting Drug Use	63	(22%)	413	(23%)	13	(22%)	6	(15%)	495	(23%)
Blood Products	<5	**	<5	**	0	(0%)	0	(0%)	7	(<1%)
Heterosexual	173	(61%)	1002	(56%)	40	(68%)	26	(63%)	1241	(57%)
<i>HRH</i>	125	(44%)	634	(36%)	28	(47%)	12	(29%)	799	(37%)
<i>PH-Female</i>	48	(17%)	368	(21%)	12	(20%)	14	(34%)	442	(20%)
Perinatal	6	(2%)	40	(2%)	<5	**	<5	**	49	(2%)
Undetermined*	36	(13%)	324	(18%)	<5	**	8	(20%)	372	(17%)
<b>Female Subtotal</b>	<b>282</b>	<b>(13%)</b>	<b>1782</b>	<b>(82%)</b>	<b>59</b>	<b>(3%)</b>	<b>41</b>	<b>(2%)</b>	<b>2164</b>	<b>(100%)</b>
<b>TOTAL</b>	<b>White</b>		<b>Black</b>		<b>Hispanic</b>		<b>Other or Unknown</b>		<b>Risk Total</b>	
Male-Male sex	1633	(67%)	2437	(41%)	105	(42%)	69	(44%)	4244	(48%)
Injecting Drug Use	158	(7%)	914	(15%)	45	(18%)	12	(8%)	1129	(13%)
Male-Male Sex/IDU	101	(4%)	229	(4%)	<5	**	5	(3%)	338	(4%)
Blood Products	35	(1%)	9	(<1%)	<5	**	<5	**	47	(1%)
Heterosexual	222	(9%)	1242	(21%)	53	(21%)	29	(18%)	1546	(17%)
<i>HRH</i>	174	(7%)	874	(15%)	41	(16%)	15	(10%)	1104	(12%)
<i>PH-Female</i>	48	(2%)	368	(6%)	12	(5%)	14	(9%)	442	(5%)
Perinatal	14	(1%)	90	(1%)	<5	**	<5	**	109	(1%)
Undetermined	266	(11%)	1093	(18%)	42	(17%)	38	(24%)	1439	(16%)
<i>PH-Male</i>	146	(6%)	523	(9%)	25	(10%)	17	(11%)	711	(8%)
<i>Unknown</i>	120	(5%)	570	(9%)	17	(7%)	21	(13%)	728	(8%)
<b>RACE TOTAL</b>	<b>2429</b>	<b>(27%)</b>	<b>6014</b>	<b>(68%)</b>	<b>252</b>	<b>(3%)</b>	<b>157</b>	<b>(2%)</b>	<b>8852</b>	<b>(100%)</b>

\*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<sup>†</sup></i>			
		<i>HIV, not AIDS</i>	<i>AIDS</i>	<i>Total</i>	
				<i>Number</i>	<i>Percent</i>
Lapeer Co.	40	12	16	28	(<1%)
Macomb Co.	730	252	290	542	(6%)
Monroe Co.	70	21	33	54	(1%)
Oakland Co.	1,980	701	772	1,473	(17%)
St. Clair Co.	110	45	40	85	(1%)
Wayne Co.	8,950	3,018	3,652	6,670	(75%)
<i>Out-Wayne</i>	<i>1,790</i>	<i>585</i>	<i>749</i>	<i>1,334</i>	<i>(15%)</i>
<i>Detroit</i>	<i>7,160</i>	<i>2,433</i>	<i>2,903</i>	<i>5,336</i>	<i>(60%)</i>
<b>TOTAL</b>	<b>11,880</b>	<b>4,049</b>	<b>4,803</b>	<b>8,852</b>	<b>(100%)</b>

\*See page 5 for descriptions of prevalence estimate calculations.

<sup>†</sup> 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**

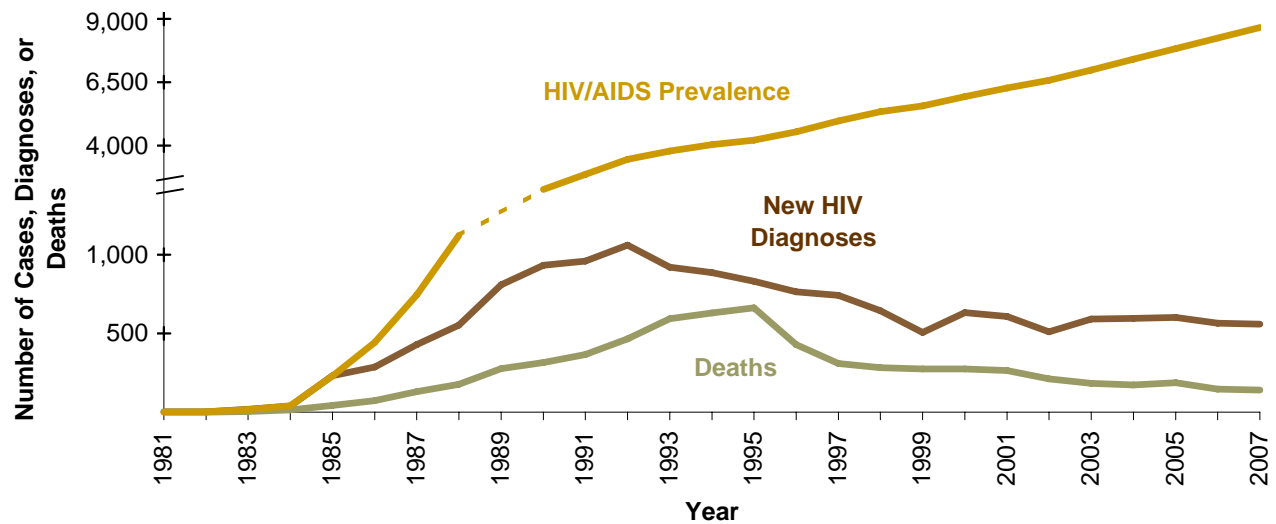
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1981	3	2	1	3	2	1
1982	2	0	3	2	0	3
1983	18	5	16	16	5	14
1984	39	14	41	35	14	35
1985	231	42	230	68	42	61
1986	287	73	444	113	70	104
1987	430	130	744	223	124	203
1988	554	176	1,122	333	172	364
1989	810	276	1,656	475	268	571
1990	933	316	2,273	543	303	811
1991	960	367	2,866	660	351	1,120
1992	1,061	466	3,461	868	444	1,544
1993	922	593	3,790	778	560	1,762
1994	886	631	4,045	724	592	1,894
1995	832	663	4,214	735	614	2,015
1996	764	430	4,548	569	401	2,183
1997	742	309	4,981	494	272	2,405
1998	645	282	5,344	455	250	2,610
1999	506	275	5,575	410	243	2,777
2000	633	275	5,933	461	238	3,000
2001	609	264	6,278	387	220	3,167
2002	511	212	6,577	385	192	3,360
2003	591	183	6,985	420	160	3,620
2004	596	173	7,408	392	150	3,862
2005	603	187	7,824	452	170	4,144
2006	566	146	8,244	417	135	4,426
2007	559	140	8,663	375	128	4,673
2008	214	25	<b>8,852</b>	153	23	<b>4,803</b>
<b>TOTAL</b>	<b>15,507</b>	<b>6,655</b>		<b>10,946</b>	<b>6,143</b>	

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 8,852. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 4,803.

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	11,880	4,049	4,803	8,852	199	10,946
Michigan Total	18,000	6,352	7,259	13,611	135	15,934

## 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 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.