

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 2008 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	3,290	1,116	(26%)	1,368	(27%)	2,484	(27%)	82.6	3,006,667 (68%)
Black	8,490	2,948	(69%)	3,452	(68%)	6,400	(68%)	633.4	1,010,390 (23%)
Hispanic	370	126	(3%)	150	(3%)	276	(3%)	165.6	166,637 (4%)
Asian/PI	60	19	(<1%)	24	(<1%)	43	(<1%)	30.7	140,242 (3%)
Am Indian/AN	20	8	(<1%)	6	(<1%)	14	(<1%)	108.4	12,913 (<1%)
Multi/Unk	180	56	(1%)	79	(2%)	135	(1%)	N/A	58,635 (1%)
<i>SEX & RACE</i>									
Males	9,400	3,164	(74%)	3,926	(77%)	7,090	(76%)	330.4	2,146,084 (49%)
White Males	2,910	955	(22%)	1,242	(24%)	2,197	(23%)	147.8	1,486,697 (34%)
Black Males	6,020	2,054	(48%)	2,484	(49%)	4,538	(49%)	973.8	466,019 (11%)
Hispanic Males	280	99	(2%)	114	(2%)	213	(2%)	243.3	87,543 (2%)
Other Males	190	56	(1%)	86	(2%)	142	(2%)	134.2	105,825 (2%)
Females	3,000	1,109	(26%)	1,153	(23%)	2,262	(24%)	100.6	2,249,400 (51%)
White Females	380	161	(4%)	126	(2%)	287	(3%)	18.9	1,519,970 (35%)
Black Females	2,470	894	(21%)	968	(19%)	1,862	(20%)	342.0	544,371 (12%)
Hispanic Fmls	80	27	(1%)	36	(1%)	63	(1%)	79.7	79,094 (2%)
Other Females	70	27	(1%)	23	(<1%)	50	(1%)	47.2	105,965 (2%)
<i>RISK*</i>									
Male-Male Sex	6,000	1,966	(46%)	2,557	(50%)	4,523	(48%)	N/A	N/A N/A
Injection Drug Use	1,450	419	(10%)	676	(13%)	1,095	(12%)	N/A	N/A N/A
MSM/IDU	470	136	(3%)	215	(4%)	351	(4%)	N/A	N/A N/A
Blood Products	60	14	(<1%)	33	(1%)	47	(1%)	N/A	N/A N/A
Heterosexual	2,190	786	(18%)	862	(17%)	1,648	(18%)	N/A	N/A N/A
HRH	1,510	488	(11%)	653	(13%)	1,141	(12%)	N/A	N/A N/A
PH-Female	670	298	(7%)	209	(4%)	507	(5%)	N/A	N/A N/A
Perinatal	150	77	(2%)	36	(1%)	113	(1%)	N/A	N/A N/A
Undetermined	2,090	875	(20%)	700	(14%)	1,575	(17%)	N/A	N/A N/A
PH-Male	1,020	365	(9%)	401	(8%)	766	(8%)	N/A	N/A N/A
Unknown	1,070	510	(12%)	299	(6%)	809	(9%)	N/A	N/A N/A
<i>AGE AT HIV DIAGNOSIS</i>									
0 - 12 years	160	80	(2%)	43	(1%)	123	(1%)	N/A	N/A N/A
13 - 19 years	590	285	(7%)	160	(3%)	445	(5%)	N/A	N/A N/A
20 - 24 years	1,530	675	(16%)	481	(9%)	1,156	(12%)	N/A	N/A N/A
25 - 29 years	1,960	726	(17%)	751	(15%)	1,477	(16%)	N/A	N/A N/A
30 - 39 years	4,270	1,319	(31%)	1,904	(37%)	3,223	(34%)	N/A	N/A N/A
40 - 49 years	2,760	834	(20%)	1,244	(24%)	2,078	(22%)	N/A	N/A N/A
50 - 59 years	920	285	(7%)	409	(8%)	694	(7%)	N/A	N/A N/A
60 years and over	200	66	(2%)	87	(2%)	153	(2%)	N/A	N/A N/A
Unspecified	10	<5	**	0	(0%)	<5	**	N/A	N/A N/A
TOTAL	12,400	4,273 (100%)		5,079 (100%)		9,352 (100%)		213	4,395,484 (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: 3,006,667 / 2,484 = 1,210. Thus, 1 out of every 1,210 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	1,663	(76%)	2,657	(59%)	117	(55%)	86	(61%)	4,523	(64%)
Injecting Drug Use	94	(4%)	468	(10%)	29	(14%)	7	(5%)	598	(8%)
Male-Male Sex/IDU	106	(5%)	235	(5%)	<5	**	7	(5%)	351	(5%)
Blood Products	31	(1%)	6	(<1%)	<5	**	<5	**	40	(1%)
Heterosexual*	54	(2%)	248	(5%)	14	(7%)	<5	**	318	(4%)
Perinatal	8	(<1%)	51	(1%)	<5	**	<5	**	63	(1%)
Undetermined	241	(11%)	873	(19%)	48	(23%)	35	(25%)	1,197	(17%)
<i>PH-Male</i>	143	(7%)	572	(13%)	32	(15%)	19	(13%)	766	(11%)
<i>Unknown</i>	98	(4%)	301	(7%)	16	(8%)	16	(11%)	431	(6%)
Male Subtotal	2,197	(31%)	4,538	(64%)	213	(3%)	142	(2%)	7,090	(100%)
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal	
Injecting Drug Use	65	(23%)	411	(22%)	12	(19%)	9	(18%)	497	(22%)
Blood Products	<5	**	<5	**	0	(0%)	0	(0%)	7	(<1%)
Heterosexual	174	(61%)	1,081	(58%)	45	(71%)	30	(60%)	1,330	(59%)
<i>HRH</i>	124	(43%)	650	(35%)	33	(52%)	16	(32%)	823	(36%)
<i>PH-Female</i>	50	(17%)	431	(23%)	12	(19%)	14	(28%)	507	(22%)
Perinatal	5	(2%)	41	(2%)	<5	**	<5	**	50	(2%)
Undetermined*	39	(14%)	326	(18%)	<5	**	9	(18%)	378	(17%)
Female Subtotal	287	(13%)	1,862	(82%)	63	(3%)	50	(2%)	2,262	(100%)
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total	
Male-Male sex	1,663	(67%)	2,657	(42%)	117	(42%)	86	(45%)	4,523	(48%)
Injecting Drug Use	159	(6%)	879	(14%)	41	(15%)	16	(8%)	1,095	(12%)
Male-Male Sex/IDU	106	(4%)	235	(4%)	<5	**	7	(4%)	351	(4%)
Blood Products	35	(1%)	9	(<1%)	<5	**	<5	**	47	(1%)
Heterosexual	228	(9%)	1,329	(21%)	59	(21%)	32	(17%)	1,648	(18%)
<i>HRH</i>	178	(7%)	898	(14%)	47	(17%)	18	(9%)	1,141	(12%)
<i>PH-Female</i>	50	(2%)	431	(7%)	12	(4%)	14	(7%)	507	(5%)
Perinatal	13	(1%)	92	(1%)	<5	**	5	(3%)	113	(1%)
Undetermined	280	(11%)	1,199	(19%)	52	(19%)	44	(23%)	1,575	(17%)
<i>PH-Male</i>	143	(6%)	572	(9%)	32	(12%)	19	(10%)	766	(8%)
<i>Unknown</i>	137	(6%)	627	(10%)	20	(7%)	25	(13%)	809	(9%)
RACE TOTAL	2,484	(27%)	6,400	(68%)	276	(3%)	192	(2%)	9,352	(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	15	17	32	(<1%)
Macomb Co.	790	287	312	599	(6%)
Monroe Co.	80	23	38	61	(1%)
Oakland Co.	2,130	782	823	1,605	(17%)
St. Clair Co.	120	47	42	89	(1%)
Wayne Co.	9,240	3,119	3,847	6,966	(74%)
<i>Out-Wayne</i>	<i>1,880</i>	<i>609</i>	<i>806</i>	<i>1,415</i>	<i>(15%)</i>
<i>Detroit</i>	<i>7,360</i>	<i>2,510</i>	<i>3,041</i>	<i>5,551</i>	<i>(59%)</i>
<i>TOTAL</i>	<i>12,400</i>	<i>4,273</i>	<i>5,079</i>	<i>9,352</i>	<i>(100%)</i>

*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 4. New Diagnoses, Deaths, and Prevalence of HIV/AIDS in SOUTHEAST MICHIGAN by Year

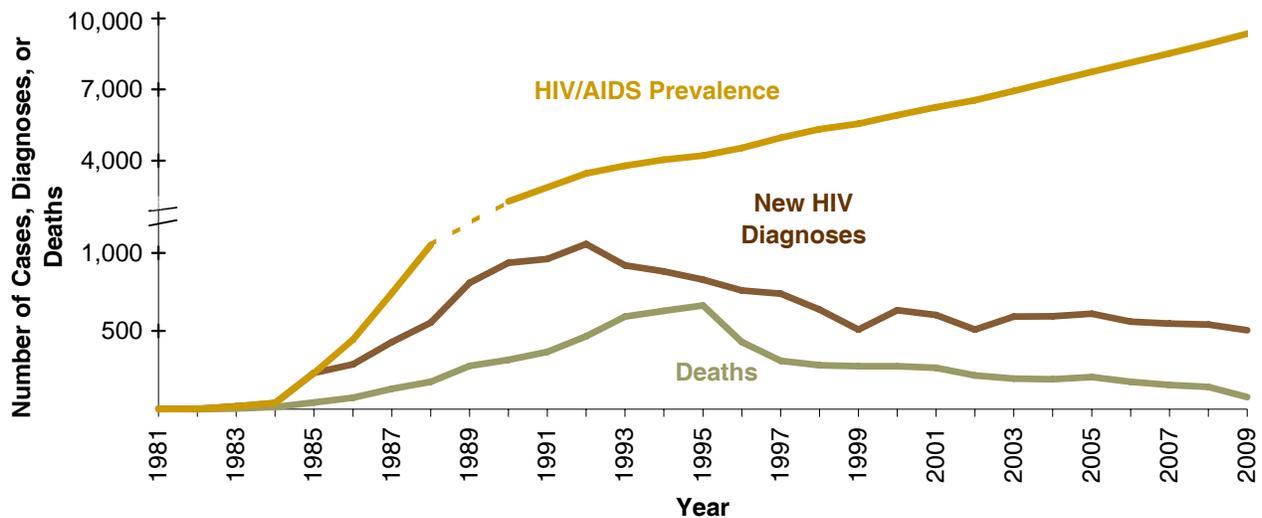
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1981	3	2	1	3	2	1
1982	2	0	3	2	0	3
1983	18	5	16	16	5	14
1984	38	14	40	35	14	35
1985	233	42	231	68	42	61
1986	287	73	445	113	70	104
1987	429	130	744	223	124	203
1988	553	176	1,121	333	172	364
1989	809	276	1,654	475	268	571
1990	936	316	2,274	543	303	811
1991	960	367	2,867	659	351	1,119
1992	1,056	466	3,457	868	444	1,543
1993	921	593	3,785	779	560	1,762
1994	882	629	4,038	724	591	1,895
1995	828	663	4,203	736	614	2,017
1996	759	430	4,532	571	401	2,187
1997	740	309	4,963	494	272	2,409
1998	638	281	5,320	455	249	2,615
1999	509	275	5,554	410	243	2,782
2000	633	275	5,912	461	238	3,005
2001	602	265	6,249	388	221	3,172
2002	508	215	6,542	390	194	3,368
2003	593	195	6,940	421	171	3,618
2004	595	191	7,344	396	162	3,852
2005	611	206	7,749	454	180	4,126
2006	560	175	8,134	420	155	4,391
2007	547	155	8,526	377	140	4,628
2008	542	143	8,925	374	129	4,873
2009	504	77	9,352	274	68	5,079
TOTAL	16,296	6,944		11,462	6,383	

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 9,352. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 5,079.

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 5. 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	12,400	4,273	5,079	9,352	213	11,462
Michigan Total	18,800	6,695	7,676	14,371	144	16,678

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 2010, 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.