

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>		
		HIV, not AIDS		AIDS		Total		Rate per 100,000 [§]	
	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent
RACE/ ETHNICITY[¶]									
White	3,280	1,146	(27%)	1,389	(27%)	2,535	(27%)	84.3	3,006,667 (68%)
Black	8,450	2,955	(68%)	3,568	(68%)	6,523	(68%)	645.6	1,010,390 (23%)
Hispanic	370	132	(3%)	155	(3%)	287	(3%)	172.2	166,637 (4%)
Asian/PI	60	19	(<1%)	24	(<1%)	43	(<1%)	30.7	140,242 (3%)
Am Indian/AN	20	9	(<1%)	6	(<1%)	15	(<1%)	116.2	12,913 (<1%)
Multi/Unk	190	62	(1%)	88	(2%)	150	(2%)	N/A	58,635 (1%)
SEX & RACE									
Males	9,400	3,220	(74%)	4,042	(77%)	7,262	(76%)	338.4	2,146,084 (49%)
White Males	2,910	983	(23%)	1,262	(24%)	2,245	(24%)	151.0	1,486,697 (34%)
Black Males	6,010	2,073	(48%)	2,569	(49%)	4,642	(49%)	996.1	466,019 (11%)
Hispanic Males	290	104	(2%)	118	(2%)	222	(2%)	253.6	87,543 (2%)
Other Males	200	60	(1%)	93	(2%)	153	(2%)	144.6	105,825 (2%)
Females	2,970	1,103	(26%)	1,188	(23%)	2,291	(24%)	101.8	2,249,400 (51%)
White Females	380	163	(4%)	127	(2%)	290	(3%)	19.1	1,519,970 (35%)
Black Females	2,440	882	(20%)	999	(19%)	1,881	(20%)	345.5	544,371 (12%)
Hispanic Fmls	80	28	(1%)	37	(1%)	65	(1%)	82.2	79,094 (2%)
Other Females	70	30	(1%)	25	(<1%)	55	(1%)	51.9	105,965 (2%)
RISK*									
Male-Male Sex	6,020	2,031	(47%)	2,616	(50%)	4,647	(49%)	N/A	N/A N/A
Injection Drug Use	1,430	414	(10%)	691	(13%)	1,105	(12%)	N/A	N/A N/A
MSM/IDU	460	133	(3%)	223	(4%)	356	(4%)	N/A	N/A N/A
Blood Products	60	15	(<1%)	33	(1%)	48	(1%)	N/A	N/A N/A
Heterosexual	2,170	787	(18%)	888	(17%)	1,675	(18%)	N/A	N/A N/A
HRH	1,480	479	(11%)	662	(13%)	1,141	(12%)	N/A	N/A N/A
PH-Female	690	308	(7%)	226	(4%)	534	(6%)	N/A	N/A N/A
Perinatal	150	75	(2%)	38	(1%)	113	(1%)	N/A	N/A N/A
Undetermined	2,080	868	(20%)	741	(14%)	1,609	(17%)	N/A	N/A N/A
PH-Male	1,030	371	(9%)	426	(8%)	797	(8%)	N/A	N/A N/A
Unknown	1,050	497	(11%)	315	(6%)	812	(8%)	N/A	N/A N/A
AGE AT HIV DIAGNOSIS									
0 - 12 years	160	79	(2%)	44	(1%)	123	(1%)	N/A	N/A N/A
13 - 19 years	600	292	(7%)	172	(3%)	464	(5%)	N/A	N/A N/A
20 - 24 years	1,560	702	(16%)	503	(10%)	1,205	(13%)	N/A	N/A N/A
25 - 29 years	1,950	741	(17%)	763	(15%)	1,504	(16%)	N/A	N/A N/A
30 - 39 years	4,230	1,317	(30%)	1,948	(37%)	3,265	(34%)	N/A	N/A N/A
40 - 49 years	2,730	825	(19%)	1,280	(24%)	2,105	(22%)	N/A	N/A N/A
50 - 59 years	940	297	(7%)	427	(8%)	724	(8%)	N/A	N/A N/A
60 years and over	210	67	(2%)	93	(2%)	160	(2%)	N/A	N/A N/A
Unspecified	10	<5	**	0	(0%)	<5	**	N/A	N/A N/A
TOTAL	12,370	4,323	(100%)	5,230	(100%)	9,553	(100%)	217	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 / 2,535 = 1,186. Thus, 1 out of every 1,186 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	1,701	(76%)	2,729	(59%)	124	(56%)	93	(61%)	4,647	(64%)
Injecting Drug Use	95	(4%)	471	(10%)	29	(13%)	9	(6%)	604	(8%)
Male-Male Sex/IDU	107	(5%)	236	(5%)	<5	**	9	(6%)	356	(5%)
Blood Products	31	(1%)	6	(<1%)	<5	**	<5	**	40	(1%)
Heterosexual*	55	(2%)	248	(5%)	13	(6%)	<5	**	318	(4%)
Perinatal	9	(<1%)	51	(1%)	<5	**	<5	**	64	(1%)
Undetermined	247	(11%)	901	(19%)	50	(23%)	35	(23%)	1,233	(17%)
<i>PH-Male</i>	145	(6%)	597	(13%)	34	(15%)	21	(14%)	797	(11%)
<i>Unknown</i>	102	(5%)	304	(7%)	16	(7%)	14	(9%)	436	(6%)
Male Subtotal	2,245	(31%)	4,642	(64%)	222	(3%)	153	(2%)	7,262	(100%)
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal	
Injecting Drug Use	65	(22%)	414	(22%)	12	(18%)	10	(18%)	501	(22%)
Blood Products	<5	**	<5	**	<5	**	0	(0%)	8	(<1%)
Heterosexual	174	(60%)	1,106	(59%)	45	(69%)	32	(58%)	1,357	(59%)
<i>HRH</i>	123	(42%)	650	(35%)	33	(51%)	17	(31%)	823	(36%)
<i>PH-Female</i>	51	(18%)	456	(24%)	12	(18%)	15	(27%)	534	(23%)
Perinatal	5	(2%)	40	(2%)	<5	**	<5	**	49	(2%)
Undetermined*	42	(14%)	318	(17%)	5	(8%)	11	(20%)	376	(16%)
Female Subtotal	290	(13%)	1,881	(82%)	65	(3%)	55	(2%)	2,291	(100%)
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total	
Male-Male sex	1,701	(67%)	2,729	(42%)	124	(43%)	93	(45%)	4,647	(49%)
Injecting Drug Use	160	(6%)	885	(14%)	41	(14%)	19	(9%)	1,105	(12%)
Male-Male Sex/IDU	107	(4%)	236	(4%)	<5	**	9	(4%)	356	(4%)
Blood Products	35	(1%)	9	(<1%)	<5	**	<5	**	48	(1%)
Heterosexual	229	(9%)	1,354	(21%)	58	(20%)	34	(16%)	1,675	(18%)
<i>HRH</i>	178	(7%)	898	(14%)	46	(16%)	19	(9%)	1,141	(12%)
<i>PH-Female</i>	51	(2%)	456	(7%)	12	(4%)	15	(7%)	534	(6%)
Perinatal	14	(1%)	91	(1%)	<5	**	5	(2%)	113	(1%)
Undetermined	289	(11%)	1,219	(19%)	55	(19%)	46	(22%)	1,609	(17%)
<i>PH-Male</i>	145	(6%)	597	(9%)	34	(12%)	21	(10%)	797	(8%)
<i>Unknown</i>	144	(6%)	622	(10%)	21	(7%)	25	(12%)	812	(8%)
RACE TOTAL	2,535	(27%)	6,523	(68%)	287	(3%)	208	(2%)	9,553	(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	16	16	32	(<1%)
Macomb Co.	800	297	322	619	(6%)
Monroe Co.	80	23	40	63	(1%)
Oakland Co.	2,130	798	849	1,647	(17%)
St. Clair Co.	120	48	43	91	(1%)
Wayne Co.	9,190	3,141	3,960	7,101	(74%)
<i>Out-Wayne</i>	<i>1,890</i>	<i>630</i>	<i>831</i>	<i>1,461</i>	<i>(15%)</i>
<i>Detroit</i>	<i>7,300</i>	<i>2,511</i>	<i>3,129</i>	<i>5,640</i>	<i>(59%)</i>
<i>TOTAL</i>	<i>12,370</i>	<i>4,323</i>	<i>5,230</i>	<i>9,553 (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.

† Reporting for 2010 is incomplete at this time.

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

Year	HIV/AIDS			AIDS		
	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	430	130	745	223	124	203
1988	553	176	1,122	333	172	364
1989	809	276	1,655	475	268	571
1990	936	316	2,275	543	303	811
1991	958	367	2,866	659	351	1,119
1992	1,055	466	3,455	868	444	1,543
1993	919	593	3,781	779	560	1,762
1994	881	629	4,033	724	591	1,895
1995	830	663	4,200	735	614	2,016
1996	760	430	4,530	571	401	2,186
1997	739	309	4,960	494	272	2,408
1998	636	281	5,315	455	249	2,614
1999	505	275	5,545	409	243	2,780
2000	632	275	5,902	461	238	3,003
2001	601	265	6,238	388	221	3,170
2002	507	214	6,531	389	193	3,366
2003	589	195	6,925	420	171	3,615
2004	592	190	7,327	397	162	3,850
2005	609	206	7,730	454	180	4,124
2006	557	175	8,112	419	155	4,388
2007	547	152	8,507	375	137	4,626
2008	533	142	8,898	371	129	4,868
2009	556	86	9,368	313	77	5,104
2010†	209	24	9,553	148	22	5,230
TOTAL	16,524	6,971		11,640	6,410	

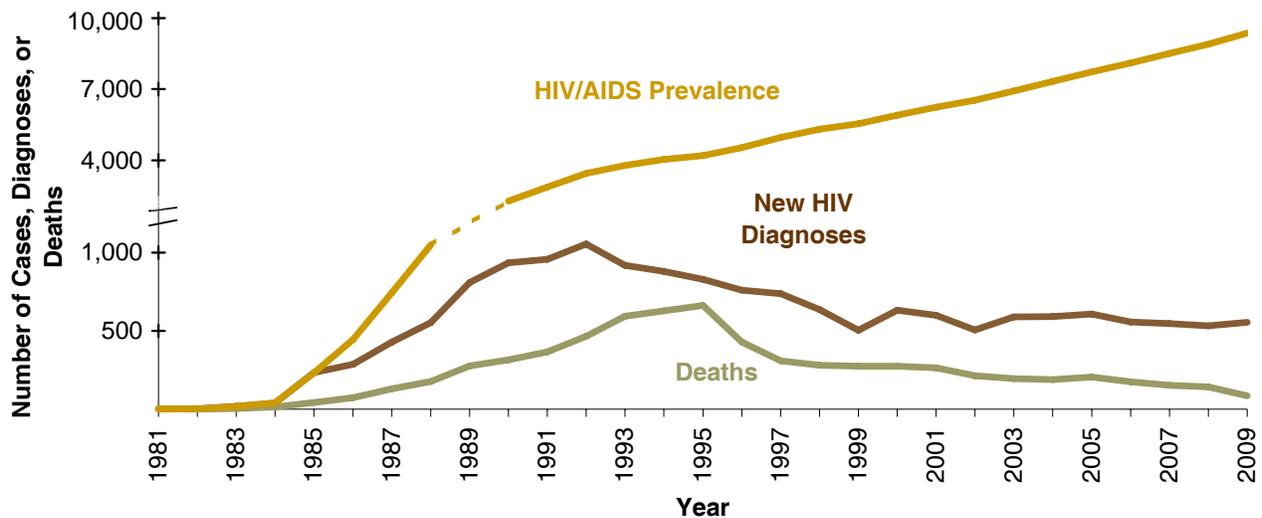
† Reporting for 2010 is incomplete at this time.

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 9,553. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 5,230.

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	12,370	4,323	5,230	9,553	217	11,640
Michigan Total	18,800	6,776	7,910	14,686	147	16,954

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.