

TABLE 1. Demographic Information on Prevalent HIV/AIDS Cases Living in SOUTHEAST MICHIGAN* at Diaagnosis

	<i>EST PREV*</i>	<i>REPORTED PREVALENCE†</i>						<i>CENSUS 2008 ESTIMATES</i>		
	Number	HIV, not AIDS		AIDS		Total		Rate per 100,000§	Number Percent	
		Number	Percent	Number	Percent	Number	Percent		Number	Percent
RACE/ ETHNICITY¶										
White	3,390	1,155	(26%)	1,388	(27%)	2,543	(27%)	84.6	3,006,667	(68%)
Black	8,700	2,988	(68%)	3,536	(68%)	6,524	(68%)	645.7	1,010,390	(23%)
Hispanic	390	138	(3%)	154	(3%)	292	(3%)	175.2	166,637	(4%)
Asian/PI	60	18	(<1%)	25	(<1%)	43	(<1%)	30.7	140,242	(3%)
Am Indian/AN	20	9	(<1%)	<5	**	13	(<1%)	100.7	12,913	(<1%)
Multi/Unk	240	72	(2%)	107	(2%)	179	(2%)	N/A	58,635	(1%)
SEX & RACE										
Males	9,770	3,295	(75%)	4,027	(77%)	7,322	(76%)	341.2	2,146,084	(49%)
White Males	3,000	996	(23%)	1,256	(24%)	2,252	(23%)	151.5	1,486,697	(34%)
Black Males	6,220	2,117	(48%)	2,546	(49%)	4,663	(49%)	1,000.6	466,019	(11%)
Hispanic Males	300	111	(3%)	116	(2%)	227	(2%)	259.3	87,543	(2%)
Other Males	240	71	(2%)	109	(2%)	180	(2%)	170.1	105,825	(2%)
Females	3,030	1,085	(25%)	1,187	(23%)	2,272	(24%)	101.0	2,249,400	(51%)
White Females	390	159	(4%)	132	(3%)	291	(3%)	19.1	1,519,970	(35%)
Black Females	2,480	871	(20%)	990	(19%)	1,861	(19%)	341.9	544,371	(12%)
Hispanic Fmls	90	27	(1%)	38	(1%)	65	(1%)	82.2	79,094	(2%)
Other Females	70	28	(1%)	27	(1%)	55	(1%)	51.9	105,965	(2%)
RISK*										
Male-Male Sex	6,300	2,111	(48%)	2,613	(50%)	4,724	(49%)	N/A	N/A	N/A
Injection Drug Use	1,360	386	(9%)	634	(12%)	1,020	(11%)	N/A	N/A	N/A
MSM/IDU	460	130	(3%)	212	(4%)	342	(4%)	N/A	N/A	N/A
Blood Products	60	15	(<1%)	31	(1%)	46	(<1%)	N/A	N/A	N/A
Heterosexual	2,220	779	(18%)	888	(17%)	1,667	(17%)	N/A	N/A	N/A
HRH	1,460	459	(10%)	637	(12%)	1,096	(11%)	N/A	N/A	N/A
PH-Female	760	320	(7%)	251	(5%)	571	(6%)	N/A	N/A	N/A
Perinatal	150	72	(2%)	43	(1%)	115	(1%)	N/A	N/A	N/A
Undetermined	2,240	887	(20%)	793	(15%)	1,680	(18%)	N/A	N/A	N/A
PH-Male	1,090	369	(8%)	448	(9%)	817	(9%)	N/A	N/A	N/A
Unknown	1,150	518	(12%)	345	(7%)	863	(9%)	N/A	N/A	N/A
AGE AT HIV DIAGNOSIS										
0 - 12 years	170	77	(2%)	48	(1%)	125	(1%)	N/A	N/A	N/A
13 - 19 years	670	313	(7%)	187	(4%)	500	(5%)	N/A	N/A	N/A
20 - 24 years	1,700	744	(17%)	533	(10%)	1,277	(13%)	N/A	N/A	N/A
25 - 29 years	2,020	751	(17%)	762	(15%)	1,513	(16%)	N/A	N/A	N/A
30 - 39 years	4,320	1,316	(30%)	1,919	(37%)	3,235	(34%)	N/A	N/A	N/A
40 - 49 years	2,770	808	(18%)	1,270	(24%)	2,078	(22%)	N/A	N/A	N/A
50 - 59 years	950	306	(7%)	405	(8%)	711	(7%)	N/A	N/A	N/A
60 years and over	200	62	(1%)	90	(2%)	152	(2%)	N/A	N/A	N/A
Unspecified	10	<5	**	0	(0%)	<5	**	N/A	N/A	N/A
TOTAL	12,800	4,380	(100%)	5,214	(100%)	9,594	(100%)	218	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 / 2,543 = 1,182. Thus, 1 out of every 1,182 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	1,708	(76%)	2,774	(59%)	131	(58%)	111	(62%)	4,724	(65%)
Injecting Drug Use	84	(4%)	430	(9%)	24	(11%)	11	(6%)	549	(7%)
Male-Male Sex/IDU	108	(5%)	220	(5%)	<5	**	11	(6%)	342	(5%)
Blood Products	30	(1%)	5	(<1%)	<5	**	<5	**	38	(1%)
Heterosexual*	53	(2%)	237	(5%)	11	(5%)	<5	**	304	(4%)
Perinatal	9	(<1%)	51	(1%)	<5	**	<5	**	65	(1%)
Undetermined	260	(12%)	946	(20%)	56	(25%)	38	(21%)	1,300	(18%)
<i>PH-Male</i>	143	(6%)	614	(13%)	38	(17%)	22	(12%)	817	(11%)
<i>Unknown</i>	117	(5%)	332	(7%)	18	(8%)	16	(9%)	483	(7%)
Male Subtotal	2,252	(31%)	4,663	(64%)	227	(3%)	180	(2%)	7,322	(100%)
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal	
Injecting Drug Use	66	(23%)	384	(21%)	12	(18%)	9	(16%)	471	(21%)
Blood Products	<5	**	<5	**	<5	**	0	(0%)	8	(<1%)
Heterosexual	175	(60%)	1,110	(60%)	45	(69%)	33	(60%)	1,363	(60%)
<i>HRH</i>	122	(42%)	620	(33%)	32	(49%)	18	(33%)	792	(35%)
<i>PH-Female</i>	53	(18%)	490	(26%)	13	(20%)	15	(27%)	571	(25%)
Perinatal	5	(2%)	41	(2%)	<5	**	<5	**	50	(2%)
Undetermined*	41	(14%)	323	(17%)	5	(8%)	11	(20%)	380	(17%)
Female Subtotal	291	(13%)	1,861	(82%)	65	(3%)	55	(2%)	2,272	(100%)
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total	
Male-Male sex	1,708	(67%)	2,774	(43%)	131	(45%)	111	(47%)	4,724	(49%)
Injecting Drug Use	150	(6%)	814	(12%)	36	(12%)	20	(9%)	1,020	(11%)
Male-Male Sex/IDU	108	(4%)	220	(3%)	<5	**	11	(5%)	342	(4%)
Blood Products	34	(1%)	8	(<1%)	<5	**	<5	**	46	(<1%)
Heterosexual	228	(9%)	1,347	(21%)	56	(19%)	36	(15%)	1,667	(17%)
<i>HRH</i>	175	(7%)	857	(13%)	43	(15%)	21	(9%)	1,096	(11%)
<i>PH-Female</i>	53	(2%)	490	(8%)	13	(4%)	15	(6%)	571	(6%)
Perinatal	14	(1%)	92	(1%)	<5	**	6	(3%)	115	(1%)
Undetermined	301	(12%)	1,269	(19%)	61	(21%)	49	(21%)	1,680	(18%)
<i>PH-Male</i>	143	(6%)	614	(9%)	38	(13%)	22	(9%)	817	(9%)
<i>Unknown</i>	158	(6%)	655	(10%)	23	(8%)	27	(11%)	863	(9%)
RACE TOTAL	2,543	(27%)	6,524	(68%)	292	(3%)	235	(2%)	9,594	(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	17	30	(<1%)
Macomb Co.	860	314	334	648	(7%)
Monroe Co.	90	27	38	65	(1%)
Oakland Co.	2,260	834	861	1,695	(18%)
St. Clair Co.	130	50	47	97	(1%)
Wayne Co.	9,420	3,142	3,917	7,059	(74%)
<i>Detroit</i>	7,420	2,489	3,070	5,559	(58%)
<i>Out-Wayne</i>	2,000	653	847	1,500	(16%)
<i>TOTAL</i>	<i>12,800</i>	<i>4,380</i>	<i>5,214</i>	<i>9,594</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	19	5	17	16	5	14
1984	38	14	41	35	14	35
1985	233	42	232	68	42	61
1986	287	73	446	113	70	104
1987	430	130	746	223	124	203
1988	554	176	1,124	333	172	364
1989	811	276	1,659	475	268	571
1990	937	316	2,280	543	303	811
1991	957	367	2,870	659	351	1,119
1992	1,056	466	3,460	868	444	1,543
1993	915	594	3,781	779	561	1,761
1994	881	630	4,032	725	592	1,894
1995	828	664	4,196	736	614	2,016
1996	754	430	4,520	571	401	2,186
1997	738	309	4,949	494	272	2,408
1998	635	281	5,303	455	249	2,614
1999	504	280	5,527	409	247	2,776
2000	630	276	5,881	462	239	2,999
2001	599	271	6,209	389	226	3,162
2002	511	244	6,476	390	217	3,335
2003	584	225	6,835	421	192	3,564
2004	588	213	7,210	399	179	3,784
2005	601	232	7,579	491	197	4,078
2006	551	208	7,922	407	186	4,299
2007	546	185	8,283	372	169	4,502
2008	535	196	8,622	365	169	4,698
2009	560	164	9,018	321	141	4,878
2010	515	90	9,443	332	84	5,126
2011†	175	24	9,594	107	19	5,214
TOTAL	16,977	7,383		11,963	6,749	

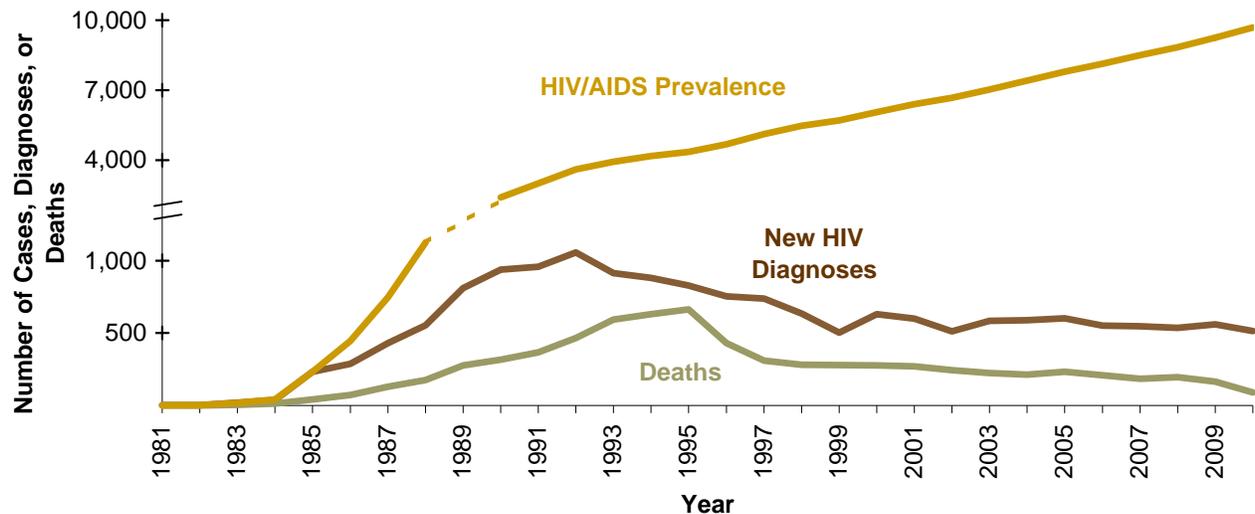
† Reporting for 2011 is incomplete at this time.

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 9,594. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 5,214.

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	12,800	4,380	5,214	9,594	218	11,963
Michigan Total	19,500	6,871	7,934	14,805	148	17,439

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 2011, 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.



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