

**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 2008 ESTIMATES</i>		
	Number	HIV, not AIDS		AIDS		Total		Rate per 100,000 <sup>§</sup>	Number Percent	
		Number	Percent	Number	Percent	Number	Percent		Number	Percent
<b>RACE/ ETHNICITY<sup>¶</sup></b>										
White	3,390	1,152	(26%)	1,404	(26%)	2,556	(26%)	85.0	3,006,667	(68%)
Black	8,770	2,991	(68%)	3,626	(68%)	6,617	(68%)	654.9	1,010,390	(23%)
Hispanic	390	136	(3%)	158	(3%)	294	(3%)	176.4	166,637	(4%)
Asian/PI	60	18	(<1%)	25	(<1%)	43	(<1%)	30.7	140,242	(3%)
Am Indian/AN	20	9	(<1%)	5	(<1%)	14	(<1%)	108.4	12,913	(<1%)
Multi/Unk	230	70	(2%)	102	(2%)	172	(2%)	N/A	58,635	(1%)
<b>SEX &amp; RACE</b>										
Males	9,780	3,266	(75%)	4,116	(77%)	7,382	(76%)	344.0	2,146,084	(49%)
White Males	3,000	990	(23%)	1,277	(24%)	2,267	(23%)	152.5	1,486,697	(34%)
Black Males	6,250	2,103	(48%)	2,615	(49%)	4,718	(49%)	1,012.4	466,019	(11%)
Hispanic Males	300	108	(2%)	120	(2%)	228	(2%)	260.4	87,543	(2%)
Other Males	220	65	(1%)	104	(2%)	169	(2%)	159.7	105,825	(2%)
Females	3,070	1,110	(25%)	1,204	(23%)	2,314	(24%)	102.9	2,249,400	(51%)
White Females	380	162	(4%)	127	(2%)	289	(3%)	19.0	1,519,970	(35%)
Black Females	2,520	888	(20%)	1,011	(19%)	1,899	(20%)	348.8	544,371	(12%)
Hispanic Fmls	90	28	(1%)	38	(1%)	66	(1%)	83.4	79,094	(2%)
Other Females	80	32	(1%)	28	(1%)	60	(1%)	56.6	105,965	(2%)
<b>RISK*</b>										
Male-Male Sex	6,220	2,047	(47%)	2,650	(50%)	4,697	(48%)	N/A	N/A	N/A
Injection Drug Use	1,460	414	(9%)	687	(13%)	1,101	(11%)	N/A	N/A	N/A
MSM/IDU	480	135	(3%)	224	(4%)	359	(4%)	N/A	N/A	N/A
Blood Products	60	15	(<1%)	32	(1%)	47	(<1%)	N/A	N/A	N/A
Heterosexual	2,250	791	(18%)	906	(17%)	1,697	(18%)	N/A	N/A	N/A
HRH	1,510	471	(11%)	666	(13%)	1,137	(12%)	N/A	N/A	N/A
PH-Female	740	320	(7%)	240	(5%)	560	(6%)	N/A	N/A	N/A
Perinatal	150	74	(2%)	39	(1%)	113	(1%)	N/A	N/A	N/A
Undetermined	2,230	900	(21%)	782	(15%)	1,682	(17%)	N/A	N/A	N/A
PH-Male	1,090	371	(8%)	452	(8%)	823	(8%)	N/A	N/A	N/A
Unknown	1,140	529	(12%)	330	(6%)	859	(9%)	N/A	N/A	N/A
<b>AGE AT HIV DIAGNOSIS</b>										
0 - 12 years	160	78	(2%)	45	(1%)	123	(1%)	N/A	N/A	N/A
13 - 19 years	640	306	(7%)	179	(3%)	485	(5%)	N/A	N/A	N/A
20 - 24 years	1,640	713	(16%)	526	(10%)	1,239	(13%)	N/A	N/A	N/A
25 - 29 years	2,020	748	(17%)	773	(15%)	1,521	(16%)	N/A	N/A	N/A
30 - 39 years	4,380	1,330	(30%)	1,976	(37%)	3,306	(34%)	N/A	N/A	N/A
40 - 49 years	2,820	827	(19%)	1,298	(24%)	2,125	(22%)	N/A	N/A	N/A
50 - 59 years	970	305	(7%)	426	(8%)	731	(8%)	N/A	N/A	N/A
60 years and over	220	66	(2%)	97	(2%)	163	(2%)	N/A	N/A	N/A
Unspecified	10	<5	**	0	(0%)	<5	**	N/A	N/A	N/A
<b>TOTAL</b>	<b>12,850</b>	<b>4,376</b>	<b>(100%)</b>	<b>5,320</b>	<b>(100%)</b>	<b>9,696</b>	<b>(100%)</b>	<b>221</b>	<b>4,395,484</b>	<b>(100%)</b>

\* SOUTHEAST MICHIGAN is comprised of the following six counties: Lapeer, Macomb, Monroe, Oakland, St. Claire, and Wayne

<sup>‡</sup> 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.

<sup>†</sup> Includes reports that contain patient name or are otherwise unduplicated. <5 and "\*\*" = 1, 2, 3, or 4 cases.

<sup>§</sup> To calculate "1 out of x" statements, divide the census number by total reported prevalence. For example, for non-Hispanic whites: 3,006,667 / 2,556 = 1,176. Thus, 1 out of every 1,176 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 "---".

<sup>¶</sup> 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	1,707	(75%)	2,758	(58%)	127	(56%)	105	(62%)	4,697	(64%)
Injecting Drug Use	96	(4%)	465	(10%)	29	(13%)	9	(5%)	599	(8%)
Male-Male Sex/IDU	107	(5%)	237	(5%)	<5	**	11	(7%)	359	(5%)
Blood Products	30	(1%)	6	(<1%)	<5	**	<5	**	39	(1%)
Heterosexual*	54	(2%)	250	(5%)	13	(6%)	<5	**	320	(4%)
Perinatal	9	(<1%)	51	(1%)	<5	**	<5	**	65	(1%)
Undetermined	264	(12%)	951	(20%)	53	(23%)	35	(21%)	1,303	(18%)
<i>PH-Male</i>	147	(6%)	621	(13%)	35	(15%)	20	(12%)	823	(11%)
<i>Unknown</i>	117	(5%)	330	(7%)	18	(8%)	15	(9%)	480	(7%)
<b>Male Subtotal</b>	<b>2,267</b>	<b>(31%)</b>	<b>4,718</b>	<b>(64%)</b>	<b>228</b>	<b>(3%)</b>	<b>169</b>	<b>(2%)</b>	<b>7,382</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	66	(23%)	412	(22%)	13	(20%)	11	(18%)	502	(22%)
Blood Products	<5	**	<5	**	<5	**	0	(0%)	8	(<1%)
Heterosexual	174	(60%)	1,123	(59%)	44	(67%)	36	(60%)	1,377	(60%)
<i>HRH</i>	123	(43%)	643	(34%)	32	(48%)	19	(32%)	817	(35%)
<i>PH-Female</i>	51	(18%)	480	(25%)	12	(18%)	17	(28%)	560	(24%)
Perinatal	5	(2%)	39	(2%)	<5	**	<5	**	48	(2%)
Undetermined*	40	(14%)	322	(17%)	6	(9%)	11	(18%)	379	(16%)
<b>Female Subtotal</b>	<b>289</b>	<b>(12%)</b>	<b>1,899</b>	<b>(82%)</b>	<b>66</b>	<b>(3%)</b>	<b>60</b>	<b>(3%)</b>	<b>2,314</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	1,707	(67%)	2,758	(42%)	127	(43%)	105	(46%)	4,697	(48%)
Injecting Drug Use	162	(6%)	877	(13%)	42	(14%)	20	(9%)	1,101	(11%)
Male-Male Sex/IDU	107	(4%)	237	(4%)	<5	**	11	(5%)	359	(4%)
Blood Products	34	(1%)	9	(<1%)	<5	**	<5	**	47	(<1%)
Heterosexual	228	(9%)	1,373	(21%)	57	(19%)	39	(17%)	1,697	(18%)
<i>HRH</i>	177	(7%)	893	(13%)	45	(15%)	22	(10%)	1,137	(12%)
<i>PH-Female</i>	51	(2%)	480	(7%)	12	(4%)	17	(7%)	560	(6%)
Perinatal	14	(1%)	90	(1%)	<5	**	6	(3%)	113	(1%)
Undetermined	304	(12%)	1,273	(19%)	59	(20%)	46	(20%)	1,682	(17%)
<i>PH-Male</i>	147	(6%)	621	(9%)	35	(12%)	20	(9%)	823	(8%)
<i>Unknown</i>	157	(6%)	652	(10%)	24	(8%)	26	(11%)	859	(9%)
<b>RACE TOTAL</b>	<b>2,556</b>	<b>(26%)</b>	<b>6,617</b>	<b>(68%)</b>	<b>294</b>	<b>(3%)</b>	<b>229</b>	<b>(2%)</b>	<b>9,696</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	14	17	31	(<1%)
Macomb Co.	850	309	330	639	(7%)
Monroe Co.	90	25	41	66	(1%)
Oakland Co.	2,220	810	865	1,675	(17%)
St. Clair Co.	120	48	44	92	(1%)
Wayne Co.	9,530	3,170	4,023	7,193	(74%)
<i>Out-Wayne</i>	1,980	642	852	1,494	(15%)
<i>Detroit</i>	7,550	2,528	3,171	5,699	(59%)
<b><i>TOTAL</i></b>	<b><i>12,850</i></b>	<b><i>4,376</i></b>	<b><i>5,320</i></b>	<b><i>9,696 (100%)</i></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 4. New Diagnoses, Deaths, and Prevalence of HIV/AIDS in SOUTHEAST MICHIGAN by Year**

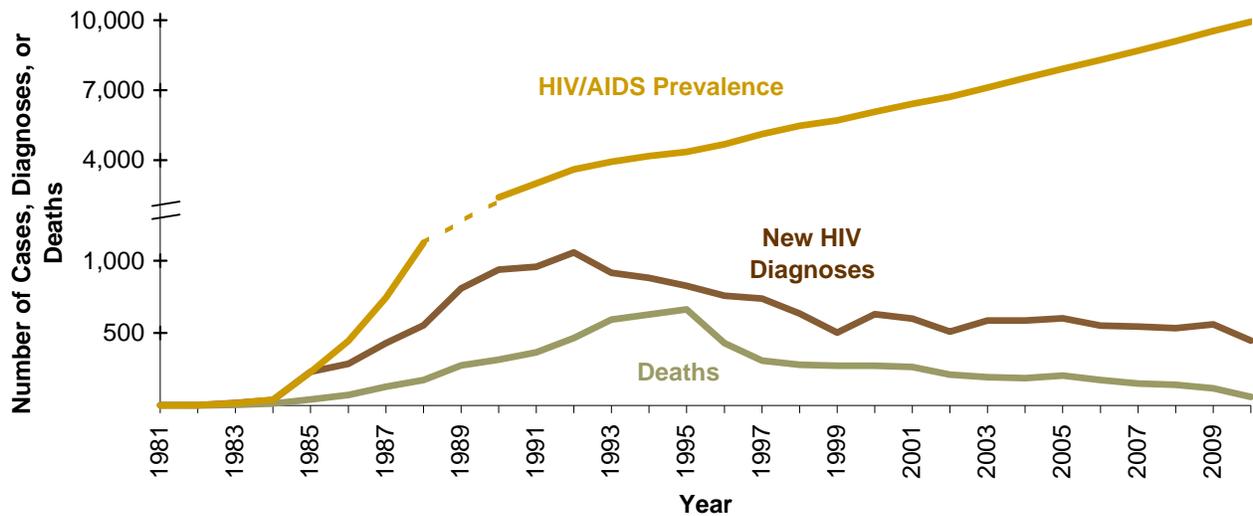
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1981	3	2	1	3	2	1
1982	2	0	3	2	0	3
1983	18	5	16	16	5	14
1984	38	14	40	35	14	35
1985	233	42	231	68	42	61
1986	287	73	445	113	70	104
1987	430	130	745	223	124	203
1988	553	176	1,122	333	172	364
1989	809	276	1,655	475	268	571
1990	937	316	2,276	543	303	811
1991	957	367	2,866	659	351	1,119
1992	1,057	466	3,457	868	444	1,543
1993	916	593	3,780	779	560	1,762
1994	880	629	4,031	724	591	1,895
1995	827	663	4,195	736	614	2,017
1996	758	430	4,523	571	401	2,187
1997	738	309	4,952	494	272	2,409
1998	636	281	5,307	455	249	2,615
1999	503	275	5,535	409	243	2,781
2000	631	275	5,891	461	238	3,004
2001	599	265	6,225	389	221	3,172
2002	510	214	6,521	390	193	3,369
2003	586	195	6,912	420	171	3,618
2004	587	190	7,309	398	162	3,854
2005	603	206	7,706	482	180	4,156
2006	551	175	8,082	409	155	4,410
2007	545	152	8,475	369	137	4,642
2008	533	142	8,866	363	129	4,876
2009	560	119	9,307	320	106	5,090
2010	448	59	<b>9,696</b>	285	55	<b>5,320</b>
<b>TOTAL</b>	<b>16,735</b>	<b>7,039</b>		<b>11,792</b>	<b>6,472</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 9,696. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 5,320.

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	12,850	4,376	5,320	9,696	221	11,792
Michigan Total	19,500	6,846	8,049	14,895	149	17,184

## 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.