

TABLE 1. Demographic Information on Prevalent HIV/AIDS Cases Living in DETROIT at Diagnosis

	<i>EST PREV*</i>	<i>REPORTED PREVALENCE[†]</i>						<i>CENSUS 2007 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	520	183	(7%)	208	(7%)	391	(7%)	505.5	77,350 (8%)
Black	6,350	2,166	(88%)	2,612	(89%)	4,778	(88%)	631.7	756,430 (82%)
Hispanic	210	72	(3%)	85	(3%)	157	(3%)	278.9	56,283 (6%)
Asian/PI	10	<5	**	7	(<1%)	11	(<1%)	108.6	10,127 (1%)
Am Indian/AN	10	5	(<1%)	<5	**	8	(<1%)	---	1,933 (<1%)
Multi/Unk	70	25	(1%)	31	(1%)	56	(1%)	N/A	14,829 (2%)
<i>SEX & RACE</i>									
Males	5,140	1,714	(70%)	2,152	(73%)	3,866	(72%)	897.1	430,956 (47%)
White Males	410	139	(6%)	172	(6%)	311	(6%)	N/A	N/A N/A
Black Males	4,500	1,495	(61%)	1,887	(64%)	3,382	(63%)	N/A	N/A N/A
Hispanic Males	160	55	(2%)	63	(2%)	118	(2%)	N/A	N/A N/A
Other Males	70	25	(1%)	30	(1%)	55	(1%)	N/A	N/A N/A
Females	2,040	741	(30%)	794	(27%)	1,535	(28%)	315.8	485,996 (53%)
White Females	110	44	(2%)	36	(1%)	80	(1%)	N/A	N/A N/A
Black Females	1,860	671	(27%)	725	(25%)	1,396	(26%)	N/A	N/A N/A
Hispanic Fmls	50	17	(1%)	22	(1%)	39	(1%)	N/A	N/A N/A
Other Females	30	9	(<1%)	11	(<1%)	20	(<1%)	N/A	N/A N/A
<i>RISK*</i>									
Male-Male Sex	3,000	953	(39%)	1,302	(44%)	2,255	(42%)	N/A	N/A N/A
Injection Drug Use	1,130	325	(13%)	523	(18%)	848	(16%)	N/A	N/A N/A
MSM/IDU	270	77	(3%)	125	(4%)	202	(4%)	N/A	N/A N/A
Blood Products	20	<5	**	11	(<1%)	12	(<1%)	N/A	N/A N/A
Heterosexual	1,440	514	(21%)	572	(19%)	1,086	(20%)	N/A	N/A N/A
HRH	1,030	340	(14%)	438	(15%)	778	(14%)	N/A	N/A N/A
PH-Female	410	174	(7%)	134	(5%)	308	(6%)	N/A	N/A N/A
Perinatal	110	60	(2%)	20	(1%)	80	(1%)	N/A	N/A N/A
Undetermined	1,220	525	(21%)	393	(13%)	918	(17%)	N/A	N/A N/A
PH-Male	600	226	(9%)	226	(8%)	452	(8%)	N/A	N/A N/A
Unknown	620	299	(12%)	167	(6%)	466	(9%)	N/A	N/A N/A
<i>AGE AT HIV DIAGNOSIS</i>									
0 - 12 years	110	61	(2%)	20	(1%)	81	(1%)	N/A	N/A N/A
13 - 19 years	360	171	(7%)	98	(3%)	269	(5%)	N/A	N/A N/A
20 - 24 years	880	389	(16%)	274	(9%)	663	(12%)	N/A	N/A N/A
25 - 29 years	1,070	396	(16%)	409	(14%)	805	(15%)	N/A	N/A N/A
30 - 39 years	2,470	756	(31%)	1,105	(38%)	1,861	(34%)	N/A	N/A N/A
40 - 49 years	1,620	484	(20%)	733	(25%)	1,217	(23%)	N/A	N/A N/A
50 - 59 years	540	159	(6%)	248	(8%)	407	(8%)	N/A	N/A N/A
60 years and over	130	39	(2%)	59	(2%)	98	(2%)	N/A	N/A N/A
Unspecified	0	0	(0%)	0	(0%)	0	(0%)	N/A	N/A N/A
TOTAL	7,180	2,455 (100%)		2,946 (100%)		5,401 (100%)		589	916,952 (100%)

*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.

[§] Estimated census data for sex by race are not available for sub-county areas.

[¶] To calculate "1 out of x" statements, divide the census number by total reported prevalence. For example, for non-Hispanic whites: 77,350 / 391 = 198. Thus, 1 out of every 198 non-Hispanic white persons in DETROIT 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 DETROIT

MALES	White		Black		Hispanic		Other or Unknown		Male Subtotal	
Male-Male sex	241	(77%)	1,929	(57%)	52	(44%)	33	(60%)	2,255	(58%)
Injecting Drug Use	18	(6%)	415	(12%)	25	(21%)	<5	**	461	(12%)
Male-Male Sex/IDU	14	(5%)	184	(5%)	<5	**	<5	**	202	(5%)
Blood Products	<5	**	6	(<1%)	0	(0%)	0	(0%)	9	(<1%)
Heterosexual*	8	(3%)	198	(6%)	11	(9%)	<5	**	219	(6%)
Perinatal	<5	**	38	0	<5	**	<5	**	43	(1%)
Undetermined	24	(8%)	612	(18%)	27	(23%)	14	(25%)	677	(18%)
<i>PH-Male</i>	17	(5%)	410	(12%)	18	(15%)	7	(13%)	452	(12%)
<i>Unknown</i>	7	(2%)	202	(6%)	9	(8%)	7	(13%)	225	(6%)
Male Subtotal	311	(8%)	3,382	(87%)	118	(3%)	55	(1%)	3,866	(100%)
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal	
Injecting Drug Use	28	(35%)	345	(25%)	8	(21%)	6	(30%)	387	(25%)
Blood Products	0	0	<5	**	0	0	0	(0%)	<5	**
Heterosexual	42	(53%)	788	(56%)	26	(67%)	11	(55%)	867	(56%)
<i>HRH</i>	33	(41%)	505	(36%)	18	(46%)	<5	**	559	(36%)
<i>PH-Female</i>	9	(11%)	283	(20%)	8	0	8	(40%)	308	(20%)
Perinatal	<5	**	34	(2%)	<5	**	<5	**	37	(2%)
Undetermined*	9	(11%)	226	(16%)	<5	**	<5	**	241	(16%)
Female Subtotal	80	(5%)	1,396	(91%)	39	(3%)	20	(1%)	1,535	(100%)
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total	
Male-Male sex	241	(62%)	1,929	0	52	0	33	(44%)	2,255	(42%)
Injecting Drug Use	46	(12%)	760	(16%)	33	(21%)	9	(12%)	848	(16%)
Male-Male Sex/IDU	14	(4%)	184	(4%)	<5	**	<5	**	202	(4%)
Blood Products	<5	**	9	(<1%)	0	(0%)	0	(0%)	12	(<1%)
Heterosexual	50	(13%)	986	(21%)	37	0	13	(17%)	1,086	(20%)
<i>HRH</i>	41	(10%)	703	(15%)	29	(18%)	5	(7%)	778	(14%)
<i>PH-Female</i>	9	(2%)	283	(6%)	8	(5%)	8	(11%)	308	(6%)
Perinatal	<5	**	72	(2%)	<5	**	<5	**	80	(1%)
Undetermined	33	(8%)	838	(18%)	31	(20%)	16	(21%)	918	(17%)
<i>PH-Male</i>	17	(4%)	410	(9%)	18	(11%)	7	(9%)	452	(8%)
<i>Unknown</i>	16	(4%)	428	(9%)	13	(8%)	9	(12%)	466	(9%)
RACE TOTAL	391	(7%)	4,778	(88%)	157	(3%)	75	(1%)	5,401	(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 DETROIT
According to Zip Code at Diagnosis**

ZIP CODE AT DIAGNOSIS	EST PREV*	REPORTED PREVALENCE [†]		Total	
		HIV, not AIDS	AIDS	Number	Percent
48201	330	122	129	251	(5%)
48202	370	128	149	277	(5%)
48203	290	113	102	215	(4%)
48204	310	104	126	230	(4%)
48205	370	133	149	282	(5%)
48206	360	115	159	274	(5%)
48207	260	73	125	198	(4%)
48208	150	62	52	114	(2%)
48209	160	62	62	124	(2%)
48,210	180	60	79	139	(3%)
48211	90	35	35	70	(1%)
48212	100	37	37	74	(1%)
48213	340	123	133	256	(5%)
48214	370	123	159	282	(5%)
48215	190	68	76	144	(3%)
48216	50	18	22	40	(1%)
48217	60	20	24	44	(1%)
48218	10	0	<5	<5	**
48219	310	96	137	233	(4%)
48220	10	<5	<5	<5	**
48221	320	103	141	244	(5%)
48222	10	<5	<5	<5	**
48223	180	60	76	136	(3%)
48224	320	123	115	238	(4%)
48225	10	0	<5	<5	**
48226	120	31	57	88	(2%)
48227	430	142	183	325	(6%)
48228	370	131	145	276	(5%)
48229	10	<5	<5	<5	**
48230	10	0	<5	<5	**
48231	10	0	<5	<5	**
48234	270	87	115	202	(4%)
48235	330	107	140	247	(5%)
48236	10	0	5	5	(<1%)
48237	10	<5	0	<5	**
48238	380	122	164	286	(5%)
48239	10	5	6	11	(<1%)
48242	10	0	<5	<5	
UNKNOWN	100	44	31	75	(1%)
TOTAL	7,180	2,455	2,946	5,401	(100%)

*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 DETROIT by Year

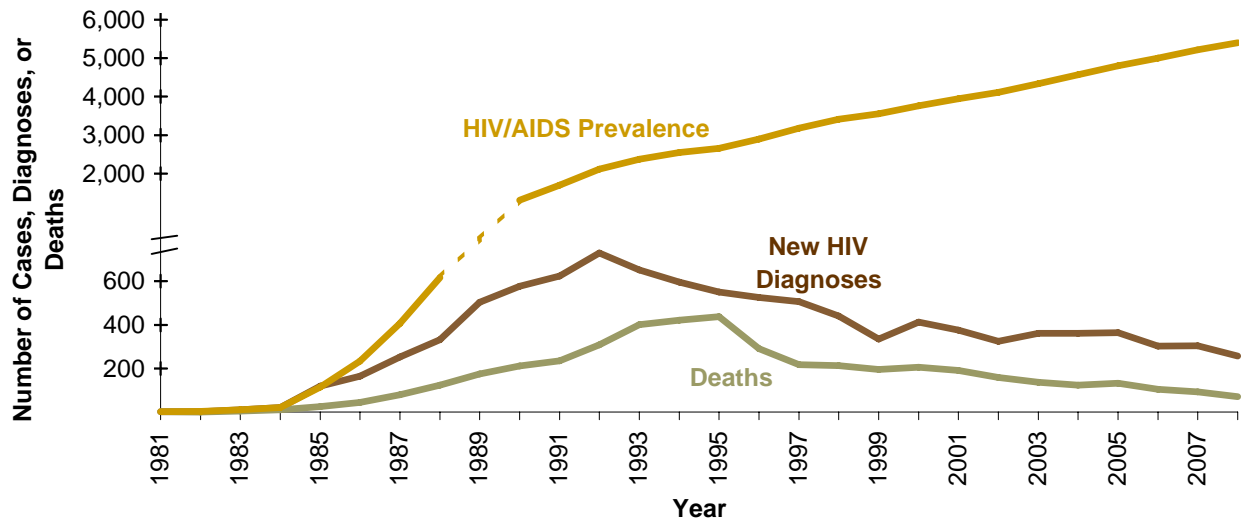
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1981	2	1	1	2	1	1
1982	2	0	3	2	0	3
1983	11	4	10	10	4	9
1984	21	11	20	21	11	19
1985	119	25	114	40	25	34
1986	164	44	234	74	41	67
1987	252	79	407	140	74	133
1988	332	123	616	213	121	225
1989	503	175	944	302	167	360
1990	577	212	1,309	347	203	504
1991	624	235	1,698	417	222	699
1992	729	309	2,118	584	292	991
1993	652	401	2,369	514	377	1,128
1994	596	421	2,544	482	391	1,219
1995	551	437	2,658	470	401	1,288
1996	526	290	2,894	378	270	1,396
1997	506	217	3,183	335	193	1,538
1998	441	213	3,411	313	190	1,661
1999	335	196	3,550	294	173	1,782
2000	413	205	3,758	321	176	1,927
2001	376	191	3,943	247	162	2,012
2002	324	158	4,109	257	145	2,124
2003	361	136	4,334	266	116	2,274
2004	361	123	4,572	255	108	2,421
2005	364	132	4,804	280	121	2,580
2006	302	104	5,002	222	94	2,708
2007	304	92	5,214	207	84	2,831
2008	257	70	5,401	177	62	2,946
TOTAL	10,005	4,604		7,170	4,224	

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 DETROIT is 5,401. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 2,946.

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 DETROIT by Year**TABLE 5. Comparison of HIV/AIDS Prevalence in DETROIT to State**

Residence at Diagnosis	Estimated Prevalence	Reported Prevalence				Cumulative AIDS
		HIV, not AIDS	AIDS	Total	Rate	
Detroit	7,180	2,455	2,946	5,401	589	7,170
Michigan Total	18,200	6,468	7,410	13,878	138	16,195

ADDITIONAL NOTES

Prevalence Estimate Calculations

HIV prevalence estimates include all persons living in DETROIT 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 2009, 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.



Michigan Department of Community Health
HIV/STD/VH/TB Epidemiology Section
Division of Communicable Disease
Bureau of Epidemiology
<http://www.michigan.gov/hivstd>

Lansing Office 201 Townsend St., 5th Floor
Lansing, MI 48913
517-335-8165

Detroit Office 1151 Taylor St., Room 211B
Detroit, MI 48202
313-876-0353

Jennifer M. Granholm, Governor
Janet Olszewski, Director