

TABLE 1. Demographic Information on Prevalent HIV/AIDS Cases Living in WAYNE CO. (excluding Detroit) at Diagnosis

	<i>EST PREV*</i>	<i>REPORTED PREVALENCE[†]</i>						<i>CENSUS 2006 ESTIMATES[§]</i>		
		<i>HIV, not AIDS</i>		<i>AIDS</i>		<i>Total</i>		<i>Number</i>	<i>Percent</i>	
<i>RACE/ ETHNICITY[‡]</i>	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Rate per 100,000[¶]</i>	<i>Number</i>	<i>Percent</i>
White	910	296	(51%)	380	(51%)	676	(51%)	74.2	910,950	(83%)
Black	800	262	(45%)	337	(45%)	599	(45%)	625.9	95,703	(9%)
Hispanic	40	13	(2%)	17	(2%)	30	(2%)	76.0	39,490	(4%)
Asian/PI	10	5	(1%)	5	(1%)	10	(1%)	27.1	36,856	(3%)
Am Indian/AN	10	<5	**	0	(0%)	<5	**	**	3,613	(<1%)
Multi/Unk	20	8	(1%)	10	(1%)	18	(1%)	N/A	14,120	(1%)
<i>SEX & RACE</i>										
Males	1,420	443	(76%)	612	(82%)	1055	(79%)	195.7	539,008	(49%)
White Males	810	253	(43%)	348	(46%)	601	(45%)	N/A	N/A	N/A
Black Males	550	171	(29%)	236	(32%)	407	(31%)	N/A	N/A	N/A
Hispanic Males	30	9	(2%)	15	(2%)	24	(2%)	N/A	N/A	N/A
Other Males	30	10	(2%)	13	(2%)	23	(2%)	N/A	N/A	N/A
Females	370	142	(24%)	137	(18%)	279	(21%)	49.7	561,724	(51%)
White Females	100	43	(7%)	32	(4%)	75	(6%)	N/A	N/A	N/A
Black Females	260	91	(16%)	101	(13%)	192	(14%)	N/A	N/A	N/A
Hispanic Fmls	10	<5	**	<5	**	6	(<1%)	N/A	N/A	N/A
Other Females	10	<5	**	<5	**	6	(<1%)	N/A	N/A	N/A
<i>RISK*</i>										
Male-Male Sex	940	289	(49%)	413	(55%)	702	(53%)	N/A	N/A	N/A
Injection Drug Use	170	55	(9%)	74	(10%)	129	(10%)	N/A	N/A	N/A
MSM/IDU	80	20	(3%)	36	(5%)	56	(4%)	N/A	N/A	N/A
Blood Products	10	<5	**	5	(1%)	8	(1%)	N/A	N/A	N/A
Heterosexual	280	90	(15%)	121	(16%)	211	(16%)	N/A	N/A	N/A
HRH	200	58	(10%)	90	(12%)	148	(11%)	N/A	N/A	N/A
PH-Female	80	32	(5%)	31	(4%)	63	(5%)	N/A	N/A	N/A
Perinatal	10	6	(1%)	<5	**	9	(1%)	N/A	N/A	N/A
Undetermined	290	122	(21%)	97	(13%)	219	(16%)	N/A	N/A	N/A
PH-Male	150	50	(9%)	60	(8%)	110	(8%)	N/A	N/A	N/A
Unknown	150	72	(12%)	37	(5%)	109	(8%)	N/A	N/A	N/A
<i>AGE AT HIV DIAGNOSIS</i>										
0 - 12 years	20	8	(1%)	<5	**	12	(1%)	N/A	N/A	N/A
13 - 19 years	50	25	(4%)	14	(2%)	39	(3%)	N/A	N/A	N/A
20 - 24 years	190	76	(13%)	62	(8%)	138	(10%)	N/A	N/A	N/A
25 - 29 years	290	91	(16%)	124	(17%)	215	(16%)	N/A	N/A	N/A
30 - 39 years	630	190	(32%)	281	(38%)	471	(35%)	N/A	N/A	N/A
40 - 49 years	420	128	(22%)	182	(24%)	310	(23%)	N/A	N/A	N/A
50 - 59 years	170	53	(9%)	70	(9%)	123	(9%)	N/A	N/A	N/A
60 years and over	30	11	(2%)	12	(2%)	23	(2%)	N/A	N/A	N/A
Unspecified	10	<5	**	0	(0%)	<5	**	N/A	N/A	N/A
TOTAL	1,790	585 (100%)		749 (100%)		1,334 (100%)		121	1,100,732 (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: 910,950 / 676 = 1,348. Thus, 1 out of every 1,348 non-Hispanic white persons in WAYNE CO. (excl. 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 WAYNE CO. (excl Detroit)

MALES	White		Black		Hispanic		Other or Unknown		Male Subtotal	
Male-Male sex	439	(73%)	235	(58%)	18	(75%)	10	(43%)	702	(67%)
Injecting Drug Use	32	(5%)	44	(11%)	0	(0%)	<5	**	77	(7%)
Male-Male Sex/IDU	30	(5%)	24	(6%)	<5	**	<5	**	56	(5%)
Blood Products	7	(1%)	0	(0%)	0	(0%)	0	(0%)	7	(1%)
Heterosexual*	18	(3%)	21	(5%)	<5	**	0	(0%)	40	(4%)
Perinatal	<5	**	5	(1%)	0	(0%)	0	(0%)	6	(1%)
Undetermined	74	(12%)	78	(19%)	<5	**	11	(48%)	167	(16%)
<i>PH-Male</i>	51	(8%)	51	(13%)	<5	**	5	(22%)	110	(10%)
<i>Unknown</i>	23	(4%)	27	(7%)	<5	**	6	(26%)	57	(5%)
Male Subtotal	601	(57%)	407	(39%)	24	(2%)	23	(2%)	1055	(100%)
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal	
Injecting Drug Use	13	(17%)	38	(20%)	<5	**	0	(0%)	52	(19%)
Blood Products	<5	**	0	(0%)	0	(0%)	0	(0%)	<5	**
Heterosexual	52	(69%)	109	(57%)	<5	**	6	(100%)	171	(61%)
<i>HRH</i>	36	(48%)	65	(34%)	<5	**	5	(83%)	108	(39%)
<i>PH-Female</i>	16	(21%)	44	(23%)	<5	**	<5	**	63	(23%)
Perinatal	0	(0%)	<5	**	<5	**	0	(0%)	<5	**
Undetermined*	9	(12%)	43	(22%)	0	(0%)	0	(0%)	52	(19%)
Female Subtotal	75	(27%)	192	(69%)	6	(2%)	6	(2%)	279	(100%)
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total	
Male-Male sex	439	(65%)	235	(39%)	18	(60%)	10	(34%)	702	(53%)
Injecting Drug Use	45	(7%)	82	(14%)	<5	**	<5	**	129	(10%)
Male-Male Sex/IDU	30	(4%)	24	(4%)	<5	**	<5	**	56	(4%)
Blood Products	8	(1%)	0	(0%)	0	(0%)	0	(0%)	8	(1%)
Heterosexual	70	(10%)	130	(22%)	5	(17%)	6	(21%)	211	(16%)
<i>HRH</i>	54	(8%)	86	(14%)	<5	**	5	(17%)	148	(11%)
<i>PH-Female</i>	16	(2%)	44	(7%)	<5	**	<5	**	63	(5%)
Perinatal	<5	**	7	(1%)	<5	**	0	(0%)	9	(1%)
Undetermined	83	(12%)	121	(20%)	<5	**	11	(38%)	219	(16%)
<i>PH-Male</i>	51	(8%)	51	(9%)	<5	**	5	(17%)	110	(8%)
<i>Unknown</i>	32	(5%)	70	(12%)	<5	**	6	(21%)	109	(8%)
RACE TOTAL	676	(51%)	599	(45%)	30	(2%)	29	(2%)	1334	(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 WAYNE CO.
(excluding Detroit) According to City of Residence at
Diagnosis**

CITY OF RESIDENCE AT DIAGNOSIS	EST PREV*	REPORTED PREVALENCE [†]			
		HIV, not AIDS	AIDS	Total	
				Number	Percent
Allen Park	10	7	<5	11	(1%)
Belleville	70	24	31	55	(4%)
Brownstown Township	10	0	<5	<5	**
Canton	60	22	24	46	(3%)
Dearborn	120	43	50	93	(7%)
Dearborn Heights	70	27	26	53	(4%)
Ecorse	30	12	14	26	(2%)
Flat Rock	10	<5	<5	<5	**
Garden City	30	9	11	20	(1%)
Gibraltar	10	0	<5	<5	**
Grosse Ile	10	<5	<5	<5	**
Grosse Pointe	30	6	13	19	(1%)
Grosse Pointe Farms	10	<5	<5	5	(<1%)
Grosse Pointe Park	10	<5	0	<5	**
Grosse Pointe Woods	10	<5	<5	5	(<1%)
Hamtramck	90	27	40	67	(5%)
Harper Woods	30	9	13	22	(2%)
Highland Park	260	87	109	196	(15%)
Inkster	170	46	80	126	(9%)
Lincoln Park	50	16	21	37	(3%)
Livonia	80	25	34	59	(4%)
Melvindale	20	7	6	13	(1%)
New Boston	10	<5	<5	5	(<1%)
Northville	20	8	7	15	(1%)
Plymouth	30	11	8	19	(1%)
Redford Township	100	38	40	78	(6%)
River Rouge	30	12	10	22	(2%)
Riverview	10	<5	5	8	(1%)
Rockwood	10	0	<5	<5	**
Romulus	60	22	23	45	(3%)
Southgate	30	13	7	20	(1%)
Taylor	110	34	48	82	(6%)
Trenton	20	<5	11	12	(1%)
Wayne	40	<5	23	27	(2%)
Westland	140	51	54	105	(8%)
Woodhaven	10	<5	0	<5	**
Wyandotte	30	8	17	25	(2%)
UNKNOWN	10	<5	<5	<5	**
TOTAL	1,790	585	749	1334	(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 WAYNE CO. (excluding Detroit) by Year

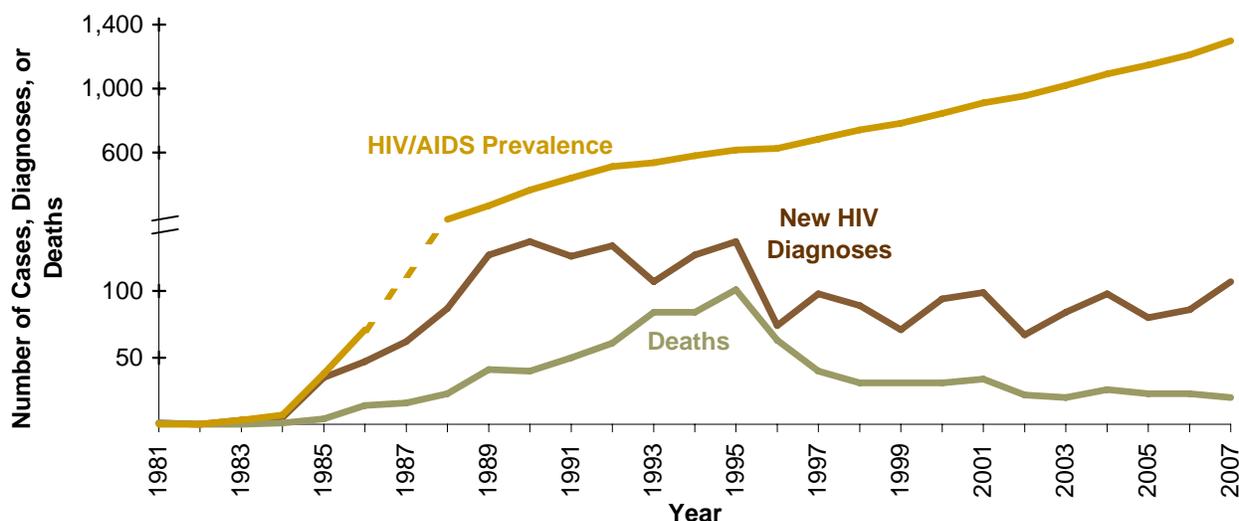
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1981	1	1	0	1	1	0
1982	0	0	0	0	0	0
1983	3	0	3	3	0	3
1984	5	1	7	4	1	6
1985	35	4	38	11	4	13
1986	47	14	71	14	14	13
1987	62	16	117	25	15	23
1988	87	23	181	49	21	51
1989	127	41	267	78	41	88
1990	137	40	364	76	38	126
1991	126	50	440	94	50	170
1992	134	61	513	117	58	229
1993	107	84	536	102	79	252
1994	127	84	579	99	78	273
1995	137	101	615	112	93	292
1996	74	63	626	66	60	298
1997	98	40	684	66	33	331
1998	89	31	742	68	26	373
1999	71	31	782	50	26	397
2000	94	31	845	67	26	438
2001	99	34	910	54	26	466
2002	67	22	955	56	18	504
2003	84	20	1,019	59	18	545
2004	98	26	1,091	59	23	581
2005	80	23	1,148	64	20	625
2006	86	23	1,211	71	22	674
2007	107	20	1,298	71	19	726
2008	41	5	1,334	27	4	749
TOTAL	2,223	889		1,563	814	

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 WAYNE CO. is 1334. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 749.

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 WAYNE CO. (excl Detroit) by Year**TABLE 5. Comparison of HIV/AIDS Prevalence in WAYNE CO. (excl Detroit) to State**

Residence at Diagnosis	Estimated Prevalence	Reported Prevalence				Cumulative AIDS
		HIV, not AIDS	AIDS	Total	Rate	
Wayne Co.	1,790	585	749	1,334	121	1,563
Michigan Total	18,000	6,352	7,259	13,611	135	15,934

ADDITIONAL NOTES

Prevalence Estimate Calculations

HIV prevalence estimates include all persons living in WAYNE CO. 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 2008, 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

Jennifer M. Granholm, Governor
Janet Olszewski, Director
<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