

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

	<i>EST PREV*</i>	<i>REPORTED PREVALENCE<sup>†</sup></i>						<i>CENSUS 2007 ESTIMATES<sup>§</sup></i>	
		<i>HIV, not AIDS</i>		<i>AIDS</i>		<i>Total</i>		<i>Number</i>	<i>Percent</i>
	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>		
<b><i>RACE/ ETHNICITY<sup>‡</sup></i></b>									
White	910	298	(50%)	385	(50%)	683	(50%)	74.5	917,137 (86%)
Black	830	273	(46%)	352	(46%)	625	(46%)	1,093.7	57,145 (5%)
Hispanic	40	13	(2%)	18	(2%)	31	(2%)	75.8	40,887 (4%)
Asian/PI	10	6	(1%)	5	(1%)	11	(1%)	29.6	37,142 (3%)
Am Indian/AN	0	0	(0%)	0	(0%)	0	(0%)	**	4,049 (<1%)
Multi/Unk	30	9	(2%)	11	(1%)	20	(1%)	N/A	11,789 (1%)
<b><i>SEX &amp; RACE</i></b>									
Males	1,440	450	(75%)	632	(82%)	1,082	(79%)	205.7	526,087 (49%)
White Males	810	252	(42%)	356	(46%)	608	(44%)	N/A	N/A N/A
Black Males	560	177	(30%)	246	(32%)	423	(31%)	N/A	N/A N/A
Hispanic Males	30	10	(2%)	16	(2%)	26	(2%)	N/A	N/A N/A
Other Males	30	11	(2%)	14	(2%)	25	(2%)	N/A	N/A N/A
Females	380	149	(25%)	139	(18%)	288	(21%)	53.1	542,062 (51%)
White Females	100	46	(8%)	29	(4%)	75	(5%)	N/A	N/A N/A
Black Females	270	96	(16%)	106	(14%)	202	(15%)	N/A	N/A N/A
Hispanic Fmls	10	<5	**	<5	**	5	(<1%)	N/A	N/A N/A
Other Females	10	<5	**	<5	**	6	(<1%)	N/A	N/A N/A
<b><i>RISK*</i></b>									
Male-Male Sex	960	295	(49%)	427	(55%)	722	(53%)	N/A	N/A N/A
Injection Drug Use	170	52	(9%)	73	(9%)	125	(9%)	N/A	N/A N/A
MSM/IDU	80	21	(4%)	37	(5%)	58	(4%)	N/A	N/A N/A
Blood Products	10	<5	**	5	(1%)	8	(1%)	N/A	N/A N/A
Heterosexual	290	97	(16%)	123	(16%)	220	(16%)	N/A	N/A N/A
HRH	200	58	(10%)	91	(12%)	149	(11%)	N/A	N/A N/A
PH-Female	90	39	(7%)	32	(4%)	71	(5%)	N/A	N/A N/A
Perinatal	10	6	(1%)	<5	**	9	(1%)	N/A	N/A N/A
Undetermined	300	125	(21%)	103	(13%)	228	(17%)	N/A	N/A N/A
PH-Male	150	51	(9%)	65	(8%)	116	(8%)	N/A	N/A N/A
Unknown	150	74	(12%)	38	(5%)	112	(8%)	N/A	N/A N/A
<b><i>AGE AT HIV DIAGNOSIS</i></b>									
0 - 12 years	20	8	(1%)	<5	**	12	(1%)	N/A	N/A N/A
13 - 19 years	60	32	(5%)	15	(2%)	47	(3%)	N/A	N/A N/A
20 - 24 years	180	75	(13%)	63	(8%)	138	(10%)	N/A	N/A N/A
25 - 29 years	290	92	(15%)	125	(16%)	217	(16%)	N/A	N/A N/A
30 - 39 years	650	191	(32%)	297	(39%)	488	(36%)	N/A	N/A N/A
40 - 49 years	420	132	(22%)	187	(24%)	319	(23%)	N/A	N/A N/A
50 - 59 years	160	55	(9%)	68	(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
<b>TOTAL</b>	<b>1,820</b>	<b>599 (100%)</b>		<b>771 (100%)</b>		<b>1,370 (100%)</b>		<b>128</b>	<b>1,068,149 (100%)</b>

\*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> Estimated census data for sex by race are not available for sub-county areas.

<sup>¶</sup> To calculate "1 out of x" statements, divide the census number by total reported prevalence. For example, for non-Hispanic whites: 917,137 / 683 = 1,343. Thus, 1 out of every 1,343 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)**

<b>MALES</b>	<b>White</b>	<b>Black</b>	<b>Hispanic</b>	<b>Other or Unknown</b>	<b>Male Subtotal</b>
Male-Male sex	445 (73%)	245 (58%)	19 (73%)	13 (52%)	722 (67%)
Injecting Drug Use	33 (5%)	41 (10%)	0 (0%)	<5 **	75 (7%)
Male-Male Sex/IDU	31 (5%)	25 (6%)	<5 **	<5 **	58 (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	73 (12%)	86 (20%)	5 (19%)	10 (40%)	174 (16%)
<i>PH-Male</i>	50 (8%)	58 (14%)	<5 **	5 (20%)	116 (11%)
<i>Unknown</i>	23 (4%)	28 (7%)	<5 **	5 (20%)	58 (5%)
<b>Male Subtotal</b>	<b>608 (56%)</b>	<b>423 (39%)</b>	<b>26 (2%)</b>	<b>25 (2%)</b>	<b>1,082 (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	12 (16%)	38 (19%)	0 (0%)	0 (0%)	50 (17%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual	54 (72%)	116 (57%)	<5 **	6 (100%)	180 (63%)
<i>HRH</i>	35 (47%)	67 (33%)	<5 **	5 (83%)	109 (38%)
<i>PH-Female</i>	19 (25%)	49 (24%)	<5 **	<5 **	71 (25%)
Perinatal	0 (0%)	<5 **	<5 **	0 (0%)	<5 **
Undetermined*	8 (11%)	46 (23%)	0 (0%)	0 (0%)	54 (19%)
<b>Female Subtotal</b>	<b>75 (26%)</b>	<b>202 (70%)</b>	<b>5 (2%)</b>	<b>6 (2%)</b>	<b>288 (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	445 (65%)	245 (39%)	19 (61%)	13 (42%)	722 (53%)
Injecting Drug Use	45 (7%)	79 (13%)	0 (0%)	<5 **	125 (9%)
Male-Male Sex/IDU	31 (5%)	25 (4%)	<5 **	<5 **	58 (4%)
Blood Products	8 (1%)	0 (0%)	0 (0%)	0 (0%)	8 (1%)
Heterosexual	72 (11%)	137 (22%)	5 (16%)	6 (19%)	220 (16%)
<i>HRH</i>	53 (8%)	88 (14%)	<5 **	5 (16%)	149 (11%)
<i>PH-Female</i>	19 (3%)	49 (8%)	<5 **	<5 **	71 (5%)
Perinatal	<5 **	7 (1%)	<5 **	0 (0%)	9 (1%)
Undetermined	81 (12%)	132 (21%)	5 (16%)	10 (32%)	228 (17%)
<i>PH-Male</i>	50 (7%)	58 (9%)	<5 **	5 (16%)	116 (8%)
<i>Unknown</i>	31 (5%)	74 (12%)	<5 **	5 (16%)	112 (8%)
<b>RACE TOTAL</b>	<b>683 (50%)</b>	<b>625 (46%)</b>	<b>31 (2%)</b>	<b>31 (2%)</b>	<b>1,370 (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 WAYNE CO.  
(excluding Detroit) According to City of Residence at  
Diagnosis**

CITY OF RESIDENCE AT DIAGNOSIS	EST PREV*	REPORTED PREVALENCE <sup>†</sup>			
		HIV, not AIDS	AIDS	Total	
				Number	Percent
Allen Park	10	6	<5	10	(1%)
Belleville	70	24	32	56	(4%)
Brownstown Township	10	<5	<5	<5	**
Canton	60	22	24	46	(3%)
Dearborn	120	43	49	92	(7%)
Dearborn Heights	70	26	28	54	(4%)
Ecorse	40	14	15	29	(2%)
Flat Rock	10	<5	5	6	(<1%)
Garden City	30	9	11	20	(1%)
Gibraltar	10	0	<5	<5	**
Grosse Ile	10	<5	<5	<5	**
Grosse Pointe	30	6	14	20	(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	100	32	42	74	(5%)
Harper Woods	30	9	13	22	(2%)
Highland Park	270	90	111	201	(15%)
Inkster	160	45	79	124	(9%)
Lincoln Park	50	17	22	39	(3%)
Livonia	80	25	35	60	(4%)
Melvindale	20	7	6	13	(1%)
New Boston	10	<5	<5	5	(<1%)
Northville	20	8	7	15	(1%)
Plymouth	20	11	7	18	(1%)
Redford Township	110	40	44	84	(6%)
River Rouge	30	13	10	23	(2%)
Riverview	10	<5	5	9	(1%)
Rockwood	10	0	<5	<5	**
Romulus	60	21	25	46	(3%)
Southgate	30	13	8	21	(2%)
Taylor	110	34	48	82	(6%)
Trenton	20	<5	12	14	(1%)
Wayne	40	<5	24	28	(2%)
Westland	140	52	55	107	(8%)
Woodhaven	10	<5	0	<5	**
Wyandotte	30	8	18	26	(2%)
<b>UNKNOWN</b>	10	<5	<5	<5	**
<b>TOTAL</b>	<b>1,820</b>	<b>599</b>	<b>771</b>	<b>1,370</b>	<b>(100%)</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 WAYNE CO. (excluding Detroit) by Year**

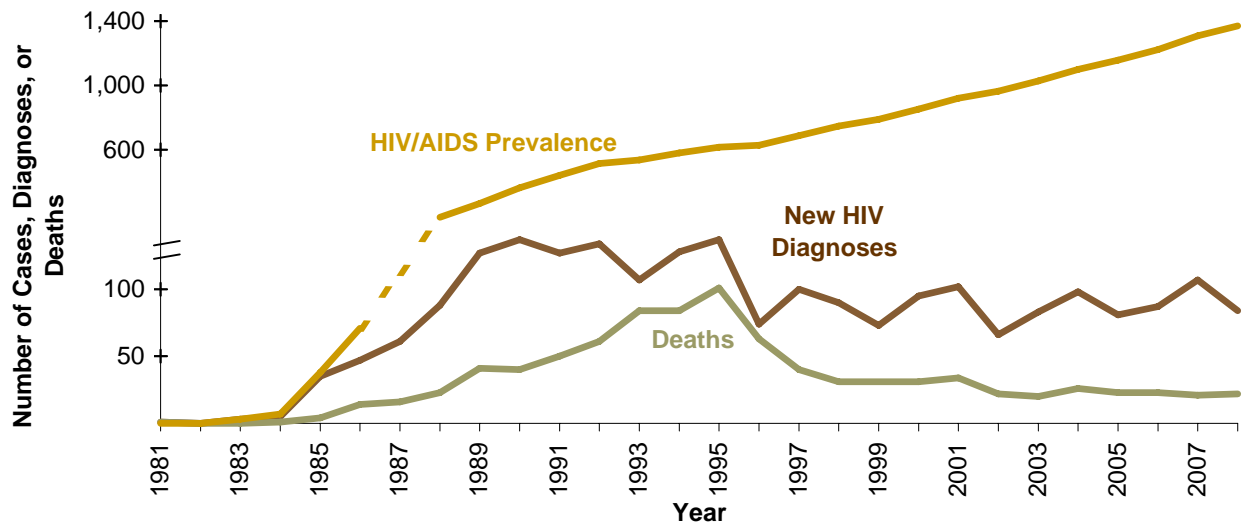
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1981	1	1	0	1	1	0
1982	0	0	0	0	0	0
1983	3	0	3	3	0	3
1984	5	1	7	4	1	6
1985	35	4	38	11	4	13
1986	47	14	71	14	14	13
1987	61	16	116	25	15	23
1988	88	23	181	49	21	51
1989	127	41	267	78	41	88
1990	137	40	364	76	38	126
1991	127	50	441	94	50	170
1992	134	61	514	117	58	229
1993	107	84	537	102	79	252
1994	128	84	581	100	78	274
1995	137	101	617	112	93	293
1996	74	63	628	67	60	300
1997	100	40	688	67	33	334
1998	90	31	747	69	26	377
1999	73	31	789	50	26	401
2000	95	31	853	67	26	442
2001	102	34	921	54	26	470
2002	66	22	965	56	18	508
2003	83	20	1,028	59	18	549
2004	98	26	1,100	59	23	585
2005	81	23	1,158	63	20	628
2006	87	23	1,222	72	22	678
2007	107	21	1,308	72	20	730
2008	84	22	<b>1,370</b>	62	21	<b>771</b>
<b>TOTAL</b>	<b>2,277</b>	<b>907</b>		<b>1,603</b>	<b>832</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 WAYNE CO. is 1370. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 771.

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.	1,820	599	771	1,370	128	1,603
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 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 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

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