

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 2007 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>		
White	900	298	(50%)	391	(49%)	689	(50%)	75.1	917,137 (86%)
Black	830	273	(46%)	364	(46%)	637	(46%)	1,114.7	57,145 (5%)
Hispanic	40	13	(2%)	19	(2%)	32	(2%)	78.3	40,887 (4%)
Asian/PI	10	<5	**	6	(1%)	10	(1%)	26.9	37,142 (3%)
Am Indian/AN	0	0	(0%)	0	(0%)	0	(0%)	**	4,049 (<1%)
Multi/Unk	30	9	(2%)	12	(2%)	21	(2%)	N/A	11,789 (1%)
<i>SEX & RACE</i>									
Males	1,430	449	(75%)	652	(82%)	1,101	(79%)	209.3	526,087 (49%)
White Males	800	252	(42%)	364	(46%)	616	(44%)	N/A	N/A N/A
Black Males	570	177	(30%)	257	(32%)	434	(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	10	(2%)	15	(2%)	25	(2%)	N/A	N/A N/A
Females	380	148	(25%)	140	(18%)	288	(21%)	53.1	542,062 (51%)
White Females	100	46	(8%)	27	(3%)	73	(5%)	N/A	N/A N/A
Black Females	260	96	(16%)	107	(14%)	203	(15%)	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	960	294	(49%)	440	(56%)	734	(53%)	N/A	N/A N/A
Injection Drug Use	160	51	(9%)	74	(9%)	125	(9%)	N/A	N/A N/A
MSM/IDU	80	19	(3%)	42	(5%)	61	(4%)	N/A	N/A N/A
Blood Products	10	<5	**	5	(1%)	8	(1%)	N/A	N/A N/A
Heterosexual	290	99	(17%)	124	(16%)	223	(16%)	N/A	N/A N/A
HRH	200	59	(10%)	93	(12%)	152	(11%)	N/A	N/A N/A
PH-Female	90	40	(7%)	31	(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%)	104	(13%)	229	(16%)	N/A	N/A N/A
PH-Male	150	49	(8%)	63	(8%)	112	(8%)	N/A	N/A N/A
Unknown	150	76	(13%)	41	(5%)	117	(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	60	31	(5%)	17	(2%)	48	(3%)	N/A	N/A N/A
20 - 24 years	190	77	(13%)	67	(8%)	144	(10%)	N/A	N/A N/A
25 - 29 years	290	91	(15%)	131	(17%)	222	(16%)	N/A	N/A N/A
30 - 39 years	640	189	(32%)	304	(38%)	493	(35%)	N/A	N/A N/A
40 - 49 years	420	133	(22%)	190	(24%)	323	(23%)	N/A	N/A N/A
50 - 59 years	160	54	(9%)	68	(9%)	122	(9%)	N/A	N/A N/A
60 years and over	30	11	(2%)	11	(1%)	22	(2%)	N/A	N/A N/A
Unspecified	10	<5	**	0	(0%)	<5	**	N/A	N/A N/A
TOTAL	1,810	597 (100%)		792 (100%)		1,389 (100%)		130	1,068,149 (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: 917,137 / 689 = 1,332. Thus, 1 out of every 1,332 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	451 (73%)	251 (58%)	19 (73%)	13 (52%)	734 (67%)
Injecting Drug Use	34 (6%)	42 (10%)	0 (0%)	<5 **	77 (7%)
Male-Male Sex/IDU	32 (5%)	27 (6%)	<5 **	<5 **	61 (6%)
Blood Products	7 (1%)	0 (0%)	0 (0%)	0 (0%)	7 (1%)
Heterosexual*	20 (3%)	20 (5%)	<5 **	0 (0%)	41 (4%)
Perinatal	<5 **	5 (1%)	0 (0%)	0 (0%)	6 (1%)
Undetermined	71 (12%)	89 (21%)	5 (19%)	10 (40%)	175 (16%)
<i>PH-Male</i>	46 (7%)	58 (13%)	<5 **	5 (20%)	112 (10%)
<i>Unknown</i>	25 (4%)	31 (7%)	<5 **	5 (20%)	63 (6%)
Male Subtotal	616 (56%)	434 (39%)	26 (2%)	25 (2%)	1,101 (100%)
FEMALES	White	Black	Hispanic	Other or Unknown	Female Subtotal
Injecting Drug Use	12 (16%)	36 (18%)	0 (0%)	0 (0%)	48 (17%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual	52 (71%)	119 (59%)	5 (83%)	6 (100%)	182 (63%)
<i>HRH</i>	36 (49%)	68 (33%)	<5 **	5 (83%)	111 (39%)
<i>PH-Female</i>	16 (22%)	51 (25%)	<5 **	<5 **	71 (25%)
Perinatal	0 (0%)	<5 **	<5 **	0 (0%)	<5 **
Undetermined*	8 (11%)	46 (23%)	0 (0%)	0 (0%)	54 (19%)
Female Subtotal	73 (25%)	203 (70%)	6 (2%)	6 (2%)	288 (100%)
TOTAL	White	Black	Hispanic	Other or Unknown	Risk Total
Male-Male sex	451 (65%)	251 (39%)	19 (59%)	13 (42%)	734 (53%)
Injecting Drug Use	46 (7%)	78 (12%)	0 (0%)	<5 **	125 (9%)
Male-Male Sex/IDU	32 (5%)	27 (4%)	<5 **	<5 **	61 (4%)
Blood Products	8 (1%)	0 (0%)	0 (0%)	0 (0%)	8 (1%)
Heterosexual	72 (10%)	139 (22%)	6 (19%)	6 (19%)	223 (16%)
<i>HRH</i>	56 (8%)	88 (14%)	<5 **	5 (16%)	152 (11%)
<i>PH-Female</i>	16 (2%)	51 (8%)	<5 **	<5 **	71 (5%)
Perinatal	<5 **	7 (1%)	<5 **	0 (0%)	9 (1%)
Undetermined	79 (11%)	135 (21%)	5 (16%)	10 (32%)	229 (16%)
<i>PH-Male</i>	46 (7%)	58 (9%)	<5 **	5 (16%)	112 (8%)
<i>Unknown</i>	33 (5%)	77 (12%)	<5 **	5 (16%)	117 (8%)
RACE TOTAL	689 (50%)	637 (46%)	32 (2%)	31 (2%)	1,389 (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	6	5	11	(1%)
Belleville	80	27	34	61	(4%)
Brownstown Township	10	<5	<5	<5	**
Canton	60	22	25	47	(3%)
Dearborn	120	45	48	93	(7%)
Dearborn Heights	70	25	30	55	(4%)
Ecorse	40	13	16	29	(2%)
Flat Rock	10	<5	5	6	(<1%)
Garden City	30	10	11	21	(2%)
Gibraltar	10	0	<5	<5	**
Grosse Ile	10	<5	<5	<5	**
Grosse Pointe	30	7	16	23	(2%)
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	43	75	(5%)
Harper Woods	30	9	13	22	(2%)
Highland Park	270	91	114	205	(15%)
Inkster	160	44	80	124	(9%)
Lincoln Park	50	18	24	42	(3%)
Livonia	80	25	36	61	(4%)
Melvindale	20	7	6	13	(1%)
New Boston	10	<5	<5	5	(<1%)
Northville	20	7	7	14	(1%)
Plymouth	20	10	7	17	(1%)
Redford Township	110	39	44	83	(6%)
River Rouge	30	13	12	25	(2%)
Riverview	10	<5	5	9	(1%)
Rockwood	10	0	<5	<5	**
Romulus	60	21	26	47	(3%)
Southgate	30	13	7	20	(1%)
Taylor	110	34	47	81	(6%)
Trenton	20	<5	12	13	(1%)
Wayne	40	<5	23	27	(2%)
Westland	140	49	59	108	(8%)
Woodhaven	10	<5	0	<5	**
Wyandotte	40	8	19	27	(2%)
UNKNOWN	10	<5	<5	<5	**
TOTAL	1,810	597	792	1,389	(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	36	4	39	11	4	13
1986	47	14	72	14	14	13
1987	61	16	117	25	15	23
1988	87	23	181	49	21	51
1989	128	41	268	78	41	88
1990	138	40	366	77	38	127
1991	126	50	442	94	50	171
1992	134	61	515	117	58	230
1993	106	84	537	102	79	253
1994	128	83	582	100	77	276
1995	137	101	618	112	93	295
1996	74	63	629	67	60	302
1997	101	40	690	67	33	336
1998	91	31	750	69	26	379
1999	74	31	793	50	26	403
2000	95	31	857	67	26	444
2001	98	34	921	53	26	471
2002	68	22	967	57	18	510
2003	82	21	1,028	59	19	550
2004	97	26	1,099	59	23	586
2005	83	23	1,159	63	20	629
2006	88	23	1,224	72	22	679
2007	109	21	1,312	74	20	733
2008	87	28	1,371	67	27	773
2009 [†]	28	10	1,389	29	10	792
TOTAL	2,312	923		1,640	848	

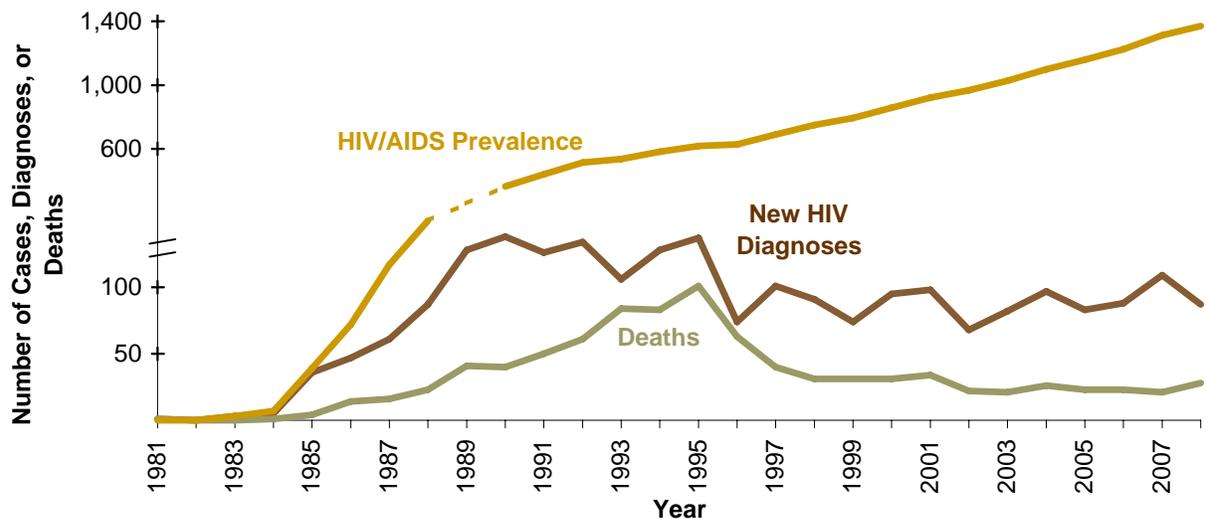
[†] Reporting for 2009 is incomplete at this time.

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 WAYNE CO. is 1,389. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 792.

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.	1,810	597	792	1,389	130	1,640
Michigan Total	18,200	6,565	7,584	14,149	140	16,476

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