

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

	<i>EST PREV*</i>	<i>REPORTED PREVALENCE[†]</i>						<i>CENSUS 2008 ESTIMATES</i>	
	Number	HIV, not AIDS		AIDS		Total		Rate per 100,000 [§]	Number Percent
		Number	Percent	Number	Percent	Number	Percent		
RACE/ ETHNICITY[¶]									
White	310	123	(52%)	108	(54%)	231	(53%)	108.8	212,287 (76%)
Black	210	90	(38%)	67	(33%)	157	(36%)	547.0	28,701 (10%)
Hispanic	40	10	(4%)	17	(8%)	27	(6%)	162.2	16,647 (6%)
Asian/PI	10	<5	**	<5	**	8	(2%)	65.4	12,232 (4%)
Am Indian/AN	10	<5	**	<5	**	5	(1%)	363.4	1,376 (<1%)
Multi/Unk	10	6	(3%)	<5	**	10	(2%)	N/A	6,285 (2%)
SEX & RACE									
Males	460	172	(73%)	171	(85%)	343	(78%)	254.6	134,708 (49%)
White Males	280	109	(46%)	99	(49%)	208	(47%)	202.4	102,767 (37%)
Black Males	130	43	(18%)	51	(25%)	94	(21%)	683.3	13,756 (5%)
Hispanic Males	30	7	(3%)	15	(7%)	22	(5%)	263.9	8,335 (3%)
Other Males	30	13	(5%)	6	(3%)	19	(4%)	192.9	9,850 (4%)
Females	130	65	(27%)	30	(15%)	95	(22%)	66.5	142,820 (51%)
White Females	30	14	(6%)	9	(4%)	23	(5%)	21.0	109,520 (39%)
Black Females	80	47	(20%)	16	(8%)	63	(14%)	421.5	14,945 (5%)
Hispanic Fmls	10	<5	**	<5	**	5	(1%)	60.2	8,312 (3%)
Other Females	10	<5	**	<5	**	<5	**	**	10,043 (4%)
RISK*									
Male-Male Sex	310	126	(53%)	107	(53%)	233	(53%)	N/A	N/A N/A
Injection Drug Use	40	15	(6%)	14	(7%)	29	(7%)	N/A	N/A N/A
MSM/IDU	30	11	(5%)	12	(6%)	23	(5%)	N/A	N/A N/A
Blood Products	10	<5	**	5	(2%)	7	(2%)	N/A	N/A N/A
Heterosexual	110	56	(24%)	29	(14%)	85	(19%)	N/A	N/A N/A
HRH	70	32	(14%)	20	(10%)	52	(12%)	N/A	N/A N/A
PH-Female	40	24	(10%)	9	(4%)	33	(8%)	N/A	N/A N/A
Perinatal	10	<5	**	<5	**	5	(1%)	N/A	N/A N/A
Undetermined	80	25	(11%)	31	(15%)	56	(13%)	N/A	N/A N/A
PH-Male	50	11	(5%)	23	(11%)	34	(8%)	N/A	N/A N/A
Unknown	30	14	(6%)	8	(4%)	22	(5%)	N/A	N/A N/A
AGE AT HIV DIAGNOSIS									
0 - 12 years	10	<5	**	<5	**	6	(1%)	N/A	N/A N/A
13 - 19 years	30	12	(5%)	10	(5%)	22	(5%)	N/A	N/A N/A
20 - 24 years	80	37	(16%)	19	(9%)	56	(13%)	N/A	N/A N/A
25 - 29 years	110	44	(19%)	38	(19%)	82	(19%)	N/A	N/A N/A
30 - 39 years	210	75	(32%)	79	(39%)	154	(35%)	N/A	N/A N/A
40 - 49 years	110	49	(21%)	34	(17%)	83	(19%)	N/A	N/A N/A
50 - 59 years	40	14	(6%)	14	(7%)	28	(6%)	N/A	N/A N/A
60 years and over	10	<5	**	<5	**	7	(2%)	N/A	N/A N/A
Unspecified	0	0	(0%)	0	(0%)	0	(0%)	N/A	N/A N/A
TOTAL	590	237	(100%)	201	(100%)	438	(100%)	158	277,528 (100%)

*See page 4 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.

[§] To calculate "1 out of x" statements, divide the census number by total reported prevalence. For example, for non-Hispanic whites: 212,287 / 231 = 919. Thus, 1 out of every 919 non-Hispanic white persons in INGHAM CO. are living with HIV.

[¶] 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 INGHAM CO.

MALES	White		Black		Hispanic		Other or Unknown		Male Subtotal	
Male-Male sex	170	(82%)	42	(45%)	12	(55%)	9	(47%)	233	(68%)
Injecting Drug Use	5	(2%)	7	(7%)	5	(23%)	<5	**	18	(5%)
Male-Male Sex/IDU	18	(9%)	<5	**	<5	**	<5	**	23	(7%)
Blood Products	<5	**	<5	**	0	(0%)	0	(0%)	6	(2%)
Heterosexual*	<5	**	9	(10%)	0	(0%)	<5	**	12	(3%)
Perinatal	<5	**	<5	**	0	(0%)	0	(0%)	<5	**
Undetermined	8	(4%)	29	(31%)	<5	**	7	(37%)	48	(14%)
<i>PH-Male</i>	6	(3%)	19	(20%)	<5	**	7	(37%)	34	(10%)
<i>Unknown</i>	<5	**	10	(11%)	<5	**	0	(0%)	14	(4%)
Male Subtotal	208	(61%)	94	(27%)	22	(6%)	19	(6%)	343	(100%)
FEMALES	White		Black		Hispanic		Other or Unknown		Female Subtotal	
Injecting Drug Use	<5	**	6	(10%)	<5	**	0	(0%)	11	(12%)
Blood Products	0	(0%)	<5	**	0	(0%)	0	(0%)	<5	**
Heterosexual	19	(83%)	47	(75%)	<5	**	<5	**	73	(77%)
<i>HRH</i>	13	(57%)	25	(40%)	<5	**	<5	**	40	(42%)
<i>PH-Female</i>	6	(26%)	22	(35%)	<5	**	<5	**	33	(35%)
Perinatal	<5	**	<5	**	0	(0%)	0	(0%)	<5	**
Undetermined*	0	(0%)	8	(13%)	0	(0%)	0	(0%)	8	(8%)
Female Subtotal	23	(24%)	63	(66%)	5	(5%)	<5	**	95	(100%)
TOTAL	White		Black		Hispanic		Other or Unknown		Risk Total	
Male-Male sex	170	(74%)	42	(27%)	12	(44%)	9	(39%)	233	(53%)
Injecting Drug Use	8	(3%)	13	(8%)	7	(26%)	<5	**	29	(7%)
Male-Male Sex/IDU	18	(8%)	<5	**	<5	**	<5	**	23	(5%)
Blood Products	<5	**	<5	**	0	(0%)	0	(0%)	7	(2%)
Heterosexual	21	(9%)	56	(36%)	<5	**	5	(22%)	85	(19%)
<i>HRH</i>	15	(6%)	34	(22%)	<5	**	<5	**	52	(12%)
<i>PH-Female</i>	6	(3%)	22	(14%)	<5	**	<5	**	33	(8%)
Perinatal	<5	**	<5	**	0	(0%)	0	(0%)	5	(1%)
Undetermined	8	(3%)	37	(24%)	<5	**	7	(30%)	56	(13%)
<i>PH-Male</i>	6	(3%)	19	(12%)	<5	**	7	(30%)	34	(8%)
<i>Unknown</i>	<5	**	18	(11%)	<5	**	0	(0%)	22	(5%)
RACE TOTAL	231	(53%)	157	(36%)	27	(6%)	23	(5%)	438	(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 4 for additional details about the changes to Michigan's risk categories.

TABLE 3. New Diagnoses, Deaths, and Prevalence of HIV/AIDS in INGHAM CO. by Year

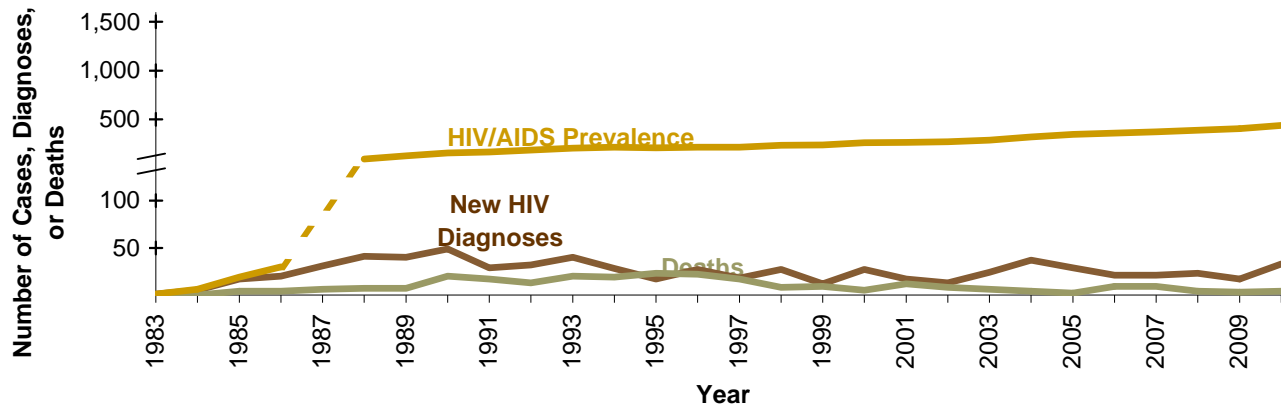
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	1	0	1	1	0	1
1984	5	0	6	2	0	3
1985	17	4	19	1	4	0
1986	20	4	35	8	4	4
1987	31	6	60	11	6	9
1988	41	7	94	14	7	16
1989	40	7	127	16	7	25
1990	49	20	156	24	17	32
1991	29	17	168	19	16	35
1992	32	13	187	27	12	50
1993	40	20	207	36	18	68
1994	28	19	216	25	17	76
1995	17	23	210	18	22	72
1996	27	22	215	30	19	83
1997	18	17	216	17	15	85
1998	27	8	235	20	8	97
1999	12	9	238	13	7	103
2000	27	5	260	19	5	117
2001	17	12	265	18	9	126
2002	13	8	270	5	6	125
2003	24	6	288	8	6	127
2004	37	4	321	14	4	137
2005	29	2	348	12	1	148
2006	21	9	360	15	3	160
2007	21	9	372	18	8	170
2008	23	4	391	12	4	178
2009	17	3	405	11	2	187
2010	33	4	434	14	3	198
2011	4	0	438	3	0	201
TOTAL	700	262		431	230	

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 4, 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 INGHAM CO. is 438. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 201.

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 INGHAM CO. by Year**TABLE 4. Comparison of HIV/AIDS Prevalence in INGHAM CO. 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>	
Ingham Co.	590	237	201	438	158	431
Michigan Total	19,500	6,783	7,831	14,614	146	17,317

ADDITIONAL NOTES

Prevalence Estimate Calculations

HIV prevalence estimates include all persons living in INGHAM 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 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.



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