

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

	EST PREV*	REPORTED PREVALENCE[†]						CENSUS 2008 ESTIMATES		
		HIV, not AIDS		AIDS		Total		Rate per 100,000[§]	Number Percent	
RACE/ ETHNICITY[¶]	Number	Number	Percent	Number	Percent	Number	Percent			Number
White	1,190	426	(53%)	473	(55%)	899	(54%)	96.6	930,931	(77%)
Black	870	333	(41%)	323	(37%)	656	(39%)	439.8	149,144	(12%)
Hispanic	80	28	(3%)	36	(4%)	64	(4%)	169.1	37,842	(3%)
Asian/PI	30	10	(1%)	11	(1%)	21	(1%)	31.9	65,897	(5%)
Am Indian/AN	10	<5	**	<5	**	<5	**	**	2,865	(<1%)
Multi/Unk	40	11	(1%)	21	(2%)	32	(2%)	N/A	15,495	(1%)
SEX & RACE										
Males	1,850	665	(82%)	733	(85%)	1,398	(83%)	236.1	592,141	(49%)
White Males	1,090	383	(47%)	443	(51%)	826	(49%)	179.0	461,456	(38%)
Black Males	640	246	(30%)	236	(27%)	482	(29%)	701.3	68,730	(6%)
Hispanic Males	70	23	(3%)	27	(3%)	50	(3%)	255.2	19,596	(2%)
Other Males	50	13	(2%)	27	(3%)	40	(2%)	94.4	42,359	(4%)
Females	370	145	(18%)	132	(15%)	277	(17%)	45.4	610,033	(51%)
White Females	100	43	(5%)	30	(3%)	73	(4%)	15.5	469,475	(39%)
Black Females	230	87	(11%)	87	(10%)	174	(10%)	216.4	80,414	(7%)
Hispanic Fmls	20	5	(1%)	9	(1%)	14	(1%)	76.7	18,246	(2%)
Other Females	20	10	(1%)	6	(1%)	16	(1%)	38.2	41,898	(3%)
RISK*										
Male-Male Sex	1,360	496	(61%)	528	(61%)	1,024	(61%)	N/A	N/A	N/A
Injection Drug Use	120	34	(4%)	55	(6%)	89	(5%)	N/A	N/A	N/A
MSM/IDU	80	24	(3%)	40	(5%)	64	(4%)	N/A	N/A	N/A
Blood Products	20	8	(1%)	7	(1%)	15	(1%)	N/A	N/A	N/A
Heterosexual	270	107	(13%)	99	(11%)	206	(12%)	N/A	N/A	N/A
HRH	180	60	(7%)	74	(9%)	134	(8%)	N/A	N/A	N/A
PH-Female	100	47	(6%)	25	(3%)	72	(4%)	N/A	N/A	N/A
Perinatal	20	8	(1%)	9	(1%)	17	(1%)	N/A	N/A	N/A
Undetermined	340	133	(16%)	127	(15%)	260	(16%)	N/A	N/A	N/A
PH-Male	160	55	(7%)	67	(8%)	122	(7%)	N/A	N/A	N/A
Unknown	180	78	(10%)	60	(7%)	138	(8%)	N/A	N/A	N/A
AGE AT HIV DIAGNOSIS										
0 - 12 years	30	9	(1%)	10	(1%)	19	(1%)	N/A	N/A	N/A
13 - 19 years	80	37	(5%)	24	(3%)	61	(4%)	N/A	N/A	N/A
20 - 24 years	250	116	(14%)	76	(9%)	192	(11%)	N/A	N/A	N/A
25 - 29 years	390	156	(19%)	136	(16%)	292	(17%)	N/A	N/A	N/A
30 - 39 years	790	273	(34%)	324	(37%)	597	(36%)	N/A	N/A	N/A
40 - 49 years	500	161	(20%)	214	(25%)	375	(22%)	N/A	N/A	N/A
50 - 59 years	160	46	(6%)	74	(9%)	120	(7%)	N/A	N/A	N/A
60 years and over	30	12	(1%)	7	(1%)	19	(1%)	N/A	N/A	N/A
Unspecified	0	0	(0%)	0	(0%)	0	(0%)	N/A	N/A	N/A
TOTAL	2,220	810 (100%)		865 (100%)		1,675 (100%)		139	1,202,174 (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: 930,931 / 899 = 1,036. Thus, 1 out of every 1,036 non-Hispanic white persons in OAKLAND CO. 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 OAKLAND CO.

MALES	White	Black	Hispanic	Other or Unknown	Male Subtotal
Male-Male sex	649 (79%)	317 (66%)	34 (68%)	24 (60%)	1,024 (73%)
Injecting Drug Use	26 (3%)	28 (6%)	<5 **	<5 **	61 (4%)
Male-Male Sex/IDU	42 (5%)	18 (4%)	0 (0%)	<5 **	64 (5%)
Blood Products	10 (1%)	0 (0%)	<5 **	<5 **	12 (1%)
Heterosexual*	9 (1%)	20 (4%)	<5 **	<5 **	32 (2%)
Perinatal	<5 **	<5 **	0 (0%)	<5 **	10 (1%)
Undetermined	87 (11%)	95 (20%)	9 (18%)	<5 **	195 (14%)
<i>PH-Male</i>	46 (6%)	66 (14%)	6 (12%)	<5 **	122 (9%)
<i>Unknown</i>	41 (5%)	29 (6%)	<5 **	0 (0%)	73 (5%)
Male Subtotal	826 (59%)	482 (34%)	50 (4%)	40 (3%)	1,398 (100%)
FEMALES	White	Black	Hispanic	Other or Unknown	Female Subtotal
Injecting Drug Use	10 (14%)	15 (9%)	<5 **	0 (0%)	28 (10%)
Blood Products	<5 **	0 (0%)	0 (0%)	0 (0%)	<5 **
Heterosexual	44 (60%)	111 (64%)	10 (71%)	9 (56%)	174 (63%)
<i>HRH</i>	30 (41%)	58 (33%)	9 (64%)	5 (31%)	102 (37%)
<i>PH-Female</i>	14 (19%)	53 (30%)	<5 **	<5 **	72 (26%)
Perinatal	<5 **	<5 **	0 (0%)	<5 **	7 (3%)
Undetermined*	14 (19%)	44 (25%)	<5 **	6 (38%)	65 (23%)
Female Subtotal	73 (26%)	174 (63%)	14 (5%)	16 (6%)	277 (100%)
TOTAL	White	Black	Hispanic	Other or Unknown	Risk Total
Male-Male sex	649 (72%)	317 (48%)	34 (53%)	24 (43%)	1,024 (61%)
Injecting Drug Use	36 (4%)	43 (7%)	7 (11%)	<5 **	89 (5%)
Male-Male Sex/IDU	42 (5%)	18 (3%)	0 (0%)	<5 **	64 (4%)
Blood Products	13 (1%)	0 (0%)	<5 **	<5 **	15 (1%)
Heterosexual	53 (6%)	131 (20%)	12 (19%)	10 (18%)	206 (12%)
<i>HRH</i>	39 (4%)	78 (12%)	11 (17%)	6 (11%)	134 (8%)
<i>PH-Female</i>	14 (2%)	53 (8%)	<5 **	<5 **	72 (4%)
Perinatal	5 (1%)	8 (1%)	0 (0%)	<5 **	17 (1%)
Undetermined	101 (11%)	139 (21%)	10 (16%)	10 (18%)	260 (16%)
<i>PH-Male</i>	46 (5%)	66 (10%)	6 (9%)	<5 **	122 (7%)
<i>Unknown</i>	55 (6%)	73 (11%)	<5 **	6 (11%)	138 (8%)
RACE TOTAL	899 (54%)	656 (39%)	64 (4%)	56 (3%)	1,675 (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 OAKLAND CO. by Year

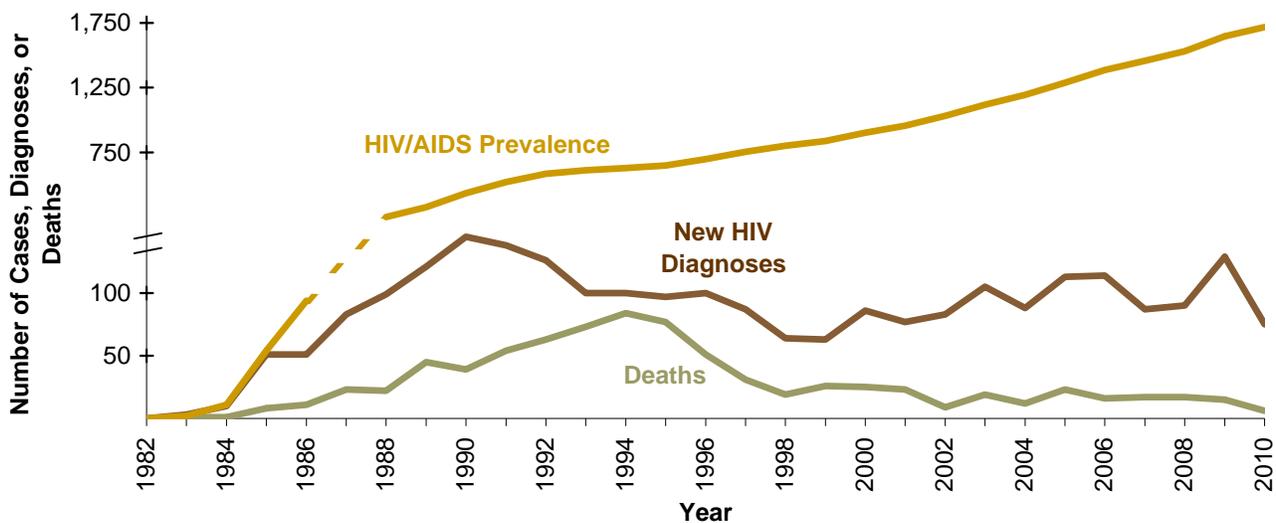
Year	<i>HIV/AIDS</i>			<i>AIDS</i>		
	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1983	<5	<5	<5	<5	<5	<5
1984	10	<5	11	8	<5	8
1985	51	8	54	11	8	11
1986	51	11	94	17	11	17
1987	83	23	154	43	23	37
1988	99	22	231	53	22	68
1989	121	45	307	61	45	84
1990	145	39	413	79	37	126
1991	138	54	497	92	51	167
1992	126	63	560	109	61	215
1993	100	73	587	106	69	252
1994	100	84	603	93	83	262
1995	97	77	623	93	74	281
1996	100	51	672	77	45	313
1997	87	31	728	59	28	344
1998	64	19	773	41	16	369
1999	63	26	810	39	23	385
2000	86	25	871	53	25	413
2001	77	23	925	52	20	445
2002	83	9	999	49	8	486
2003	105	19	1,085	69	18	537
2004	88	12	1,161	54	10	581
2005	113	23	1,251	89	20	650
2006	114	16	1,349	75	15	710
2007	87	17	1,419	54	16	748
2008	90	17	1,492	51	17	782
2009	129	15	1,606	57	11	828
2010	75	6	1,675	42	5	865
TOTAL	2,485	810		1,628	763	

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 OAKLAND CO. is 1,675. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 865.

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 OAKLAND CO. by Year**TABLE 4. Comparison of HIV/AIDS Prevalence in OAKLAND CO. to State**

Residence at Diagnosis	Estimated Prevalence	Reported Prevalence				Cumulative AIDS
		HIV, not AIDS	AIDS	Total	Rate	
Oakland Co.	2,220	810	865	1,675	139	1,628
Michigan Total	19,500	6,846	8,049	14,895	149	17,184

ADDITIONAL NOTES

Prevalence Estimate Calculations

HIV prevalence estimates include all persons living in OAKLAND 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.



Jennifer M. Granholm, Governor
Janet Olszewski, Director

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