

# Montgomery County HIV/AIDS Epidemiological Profile

Fourth Quarter 2009

Data reported through December 31, 2009



Center for HIV Surveillance and Epidemiology  
Infectious Disease and Environmental Health Administration  
Maryland Department of Health and Mental Hygiene  
<http://eh.dhmh.md.gov/ideah>  
1-800-358-9001



## HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 became law on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located using DHMH Form 1140.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department using DHMH Form 1140.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located using DHMH Form 1140.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (HIV antibody tests, CD4 immunological tests, HIV viral load tests, HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the State Health Department, using DHMH Form 4492.

## For Assistance with HIV Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance and Epidemiology at the Maryland Department of Health and Mental Hygiene (410-767-5061).

## Limitations in the HIV/AIDS Data

This epidemiological profile only contains HIV and AIDS data as reported by name. Despite a massive effort during which over 17,000 HIV cases were reported from April 24, 2007 through December 31, 2008, not all HIV cases previously reported by the code-based identifier were located and re-reported by name, so the number of living HIV cases is lower than previously reported. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an over-reporting of HIV diagnoses in recent years. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in reported HIV diagnoses.

## Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur at the same time, but usually there is a time lag between them. The time lag between events can be measured in days, months, or years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, probably many years after the initial HIV infection [time point 1].

## Changes in Case Terminology

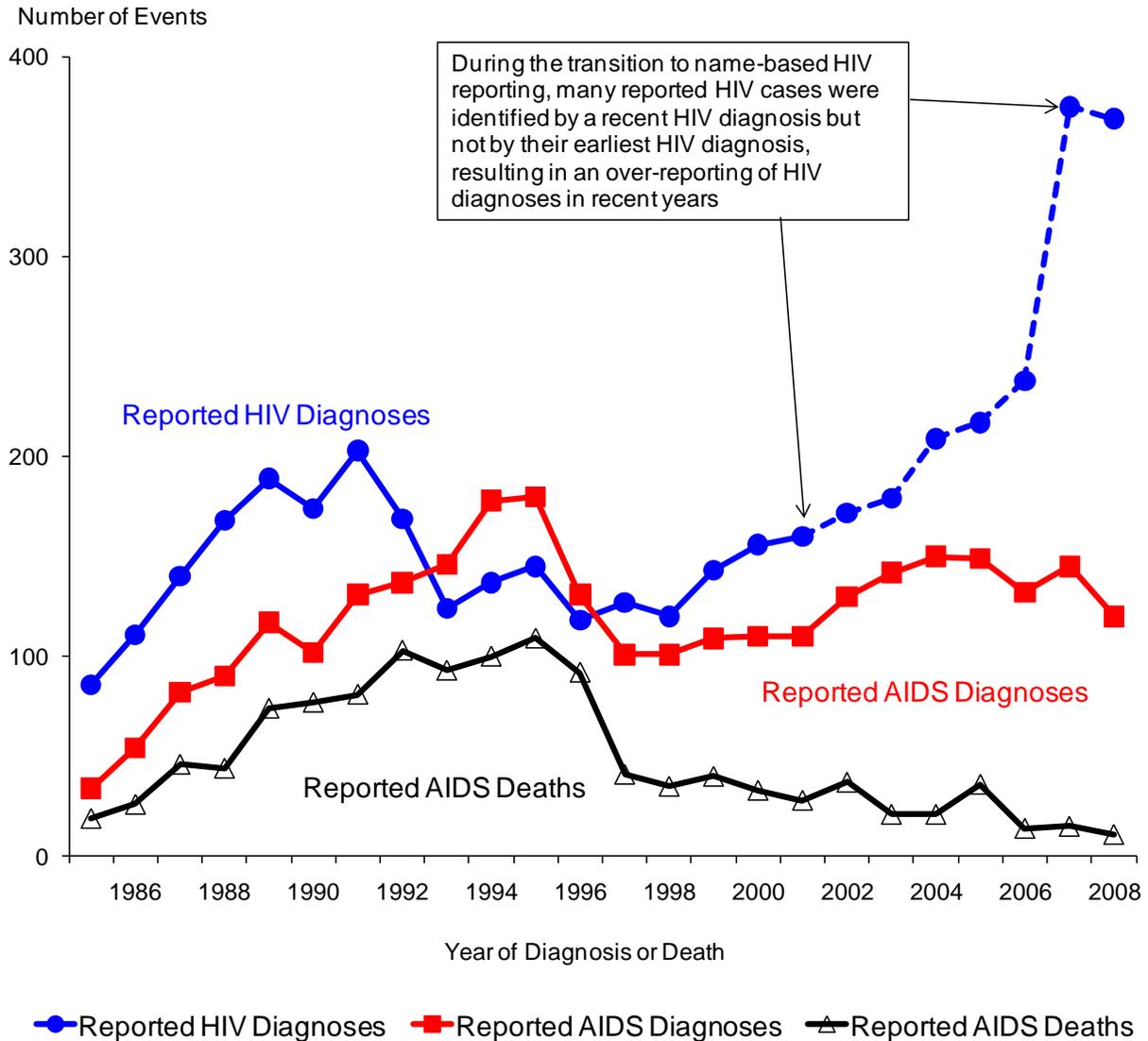
The terminology for HIV and AIDS cases was changed from earlier profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old cases. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is instead able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting by providers and time for the health department to complete investigations. For example, the Reported HIV Diagnoses for 2008 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/08-12/31/08 as reported by name through 12/31/09.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 12/31/08 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/08 as reported by name through 12/31/09.

## Section I – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2008

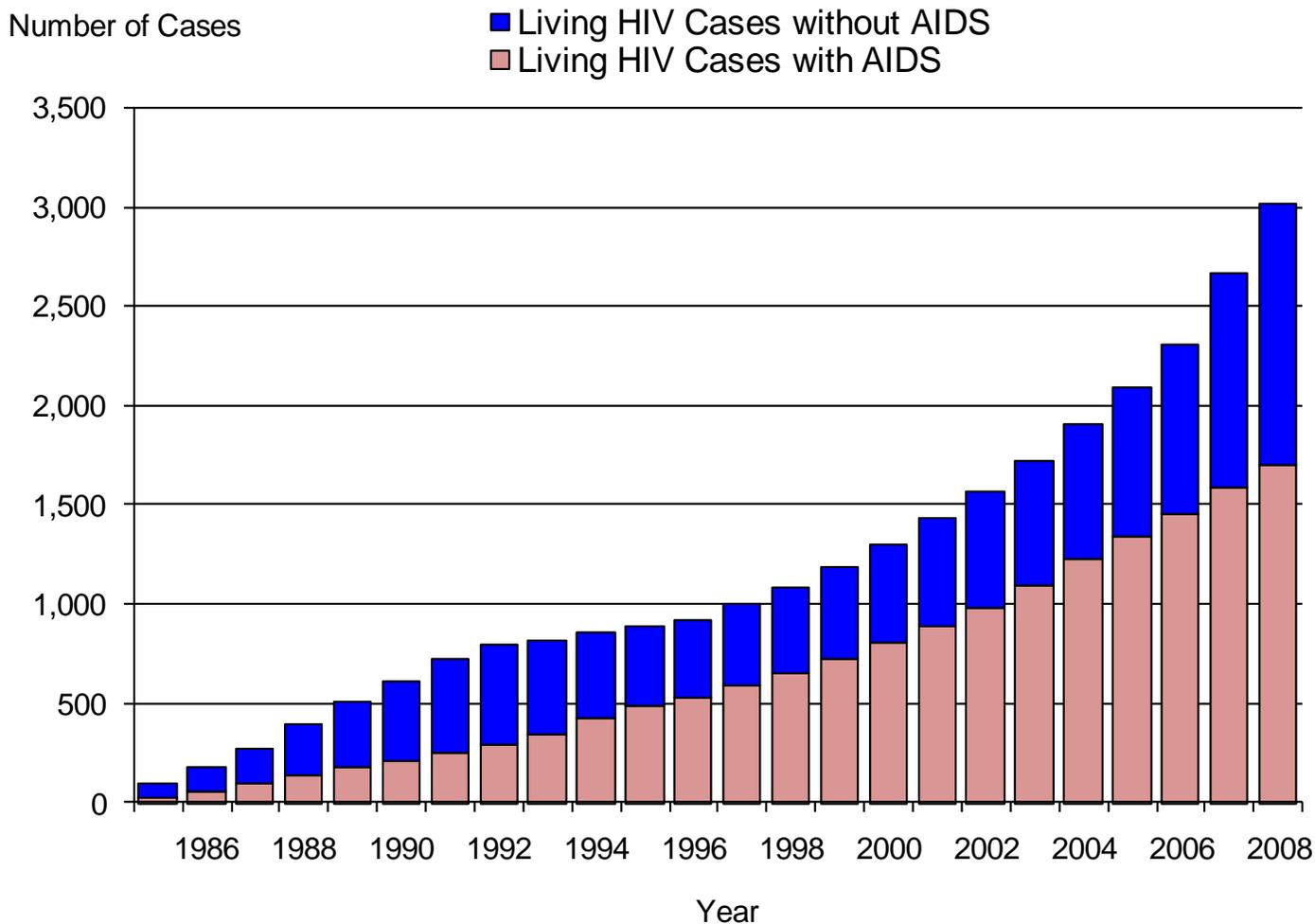
Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnosis) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2008 as Reported by Name through 12/31/09.



YEAR	Reported			YEAR	Reported			YEAR	Reported		
	HIV Diag.	AIDS Diag.	AIDS Death		HIV Diag.	AIDS Diag.	AIDS Death		HIV Diag.	AIDS Diag.	AIDS Death
1985	86	34	19	1993	124	146	93	2001	160	110	28
1986	111	54	26	1994	137	178	100	2002	172	130	37
1987	140	82	46	1995	145	180	109	2003	179	142	21
1988	168	90	44	1996	118	131	92	2004	209	150	21
1989	189	117	74	1997	127	101	41	2005	217	149	36
1990	174	102	77	1998	120	101	35	2006	238	132	14
1991	203	131	81	1999	143	109	40	2007	375	145	15
1992	169	137	103	2000	156	110	33	2008	369	120	11

## Section II – Trends in Living HIV and AIDS Cases, 1985-2008

Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year from 1985 through 2008 as Reported by Name through 12/31/09

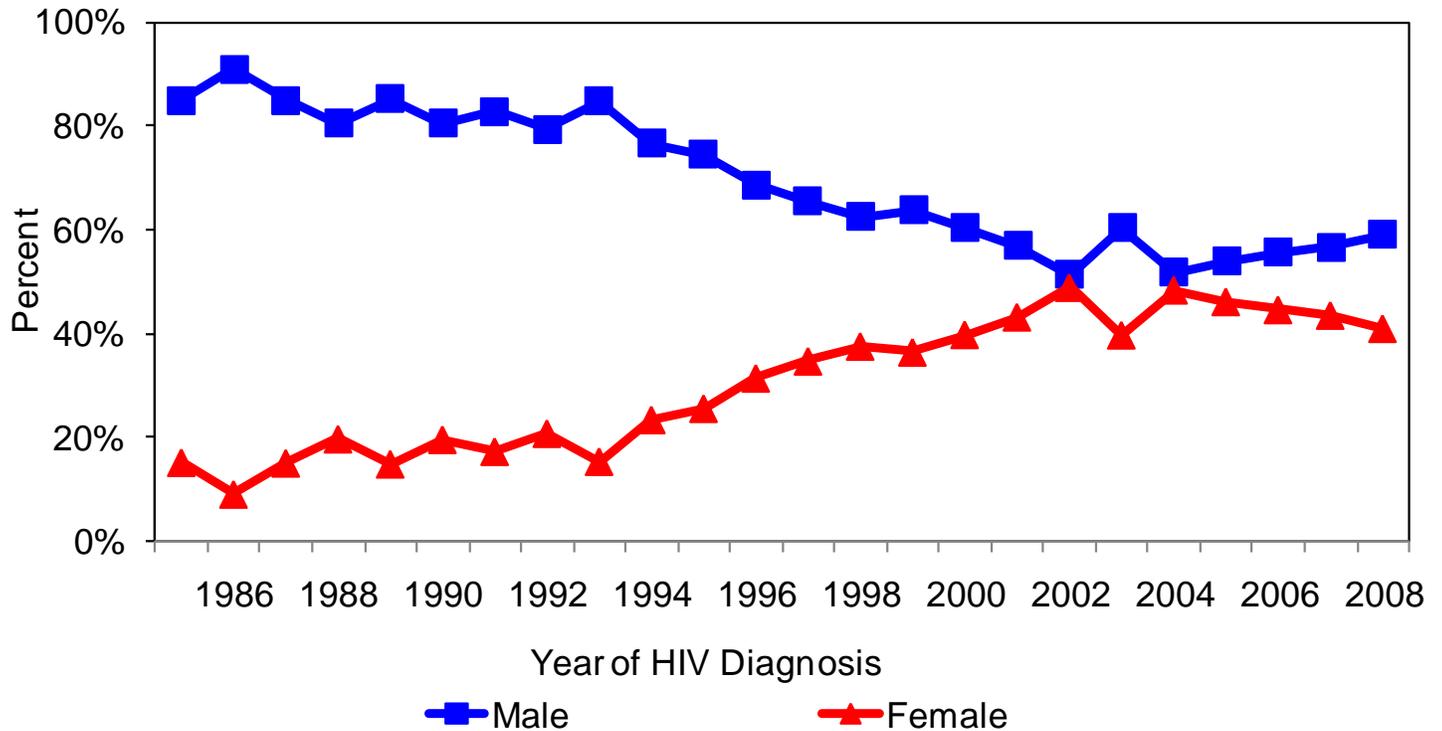


YEAR	Living HIV Cases without AIDS*	Living HIV Cases with AIDS	Total Living HIV Cases*	YEAR	Living HIV Cases without AIDS*	Living HIV Cases with AIDS	Total Living HIV Cases*
1985	69	22	91	1997	412	585	997
1986	125	50	175	1998	428	651	1,079
1987	183	86	269	1999	458	720	1,178
1988	261	132	393	2000	502	797	1,299
1989	332	175	507	2001	549	879	1,428
1990	403	200	603	2002	586	972	1,558
1991	472	250	722	2003	623	1,093	1,716
1992	501	284	785	2004	680	1,222	1,902
1993	474	337	811	2005	747	1,335	2,082
1994	432	415	847	2006	851	1,453	2,304
1995	401	486	887	2007	1,079	1,583	2,662
1996	392	525	917	2008	1,316	1,692	3,008

\* During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported

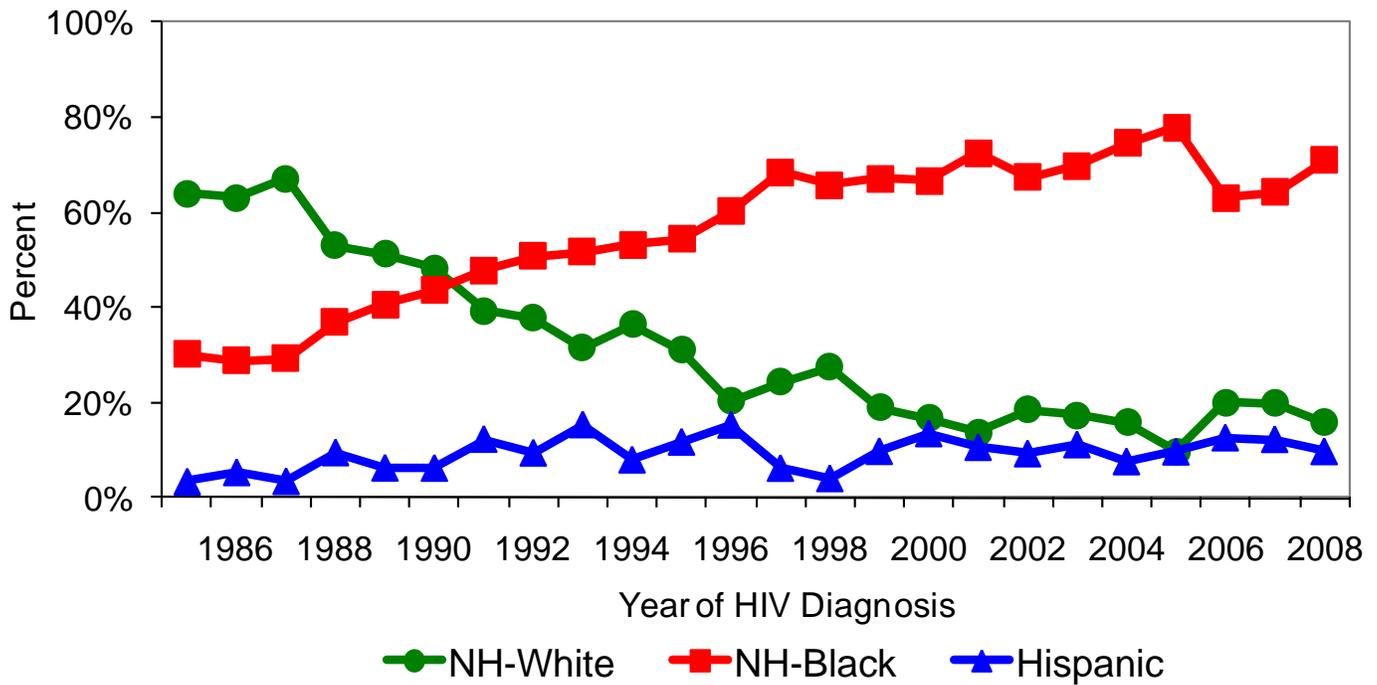
### Section III – Trends in Reported HIV Diagnoses by Demographics and Exposure Category, 1985-2008

Proportions by Gender of Reported HIV Cases with or without an AIDS Diagnosis by Year of HIV Diagnosis from 1985 through 2008 as Reported by Name through 12/31/09



YEAR	Reported HIV Diagnoses	Percent Male	Percent Female	YEAR	Reported HIV Diagnoses	Percent Male	Percent Female
1985	86	84.1	15.1	1997	127	65.4	34.6
1986	111	91.0	9.0	1998	120	62.5	37.5
1987	140	85.0	15.0	1999	143	63.6	36.4
1988	168	80.4	19.6	2000	156	60.3	39.7
1989	189	85.2	14.8	2001	160	56.9	43.1
1990	174	80.5	19.5	2002	172	51.2	48.8
1991	203	82.8	17.2	2003	179	60.3	39.7
1992	169	79.3	20.7	2004	209	51.7	48.3
1993	124	84.7	15.3	2005	217	53.9	46.1
1994	137	76.6	23.4	2006	238	55.5	44.5
1995	145	74.5	25.5	2007	375	56.5	43.5
1996	118	68.6	31.4	2008	369	59.1	40.9

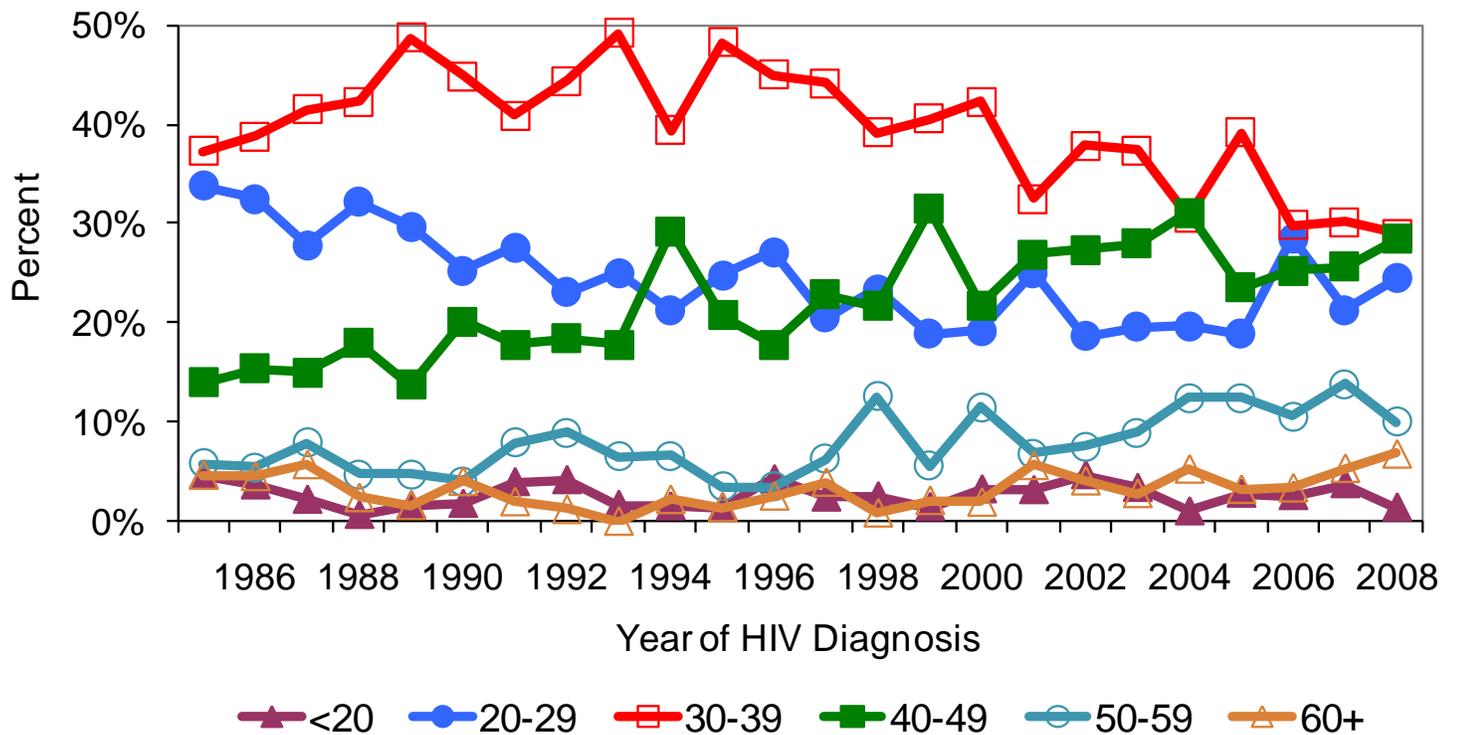
**Proportions by Race/Ethnicity\* of Reported HIV Cases with or without an AIDS Diagnosis by Year of HIV Diagnosis from 1985 through 2008 as Reported by Name through 12/31/09**



\* Other race category not shown.

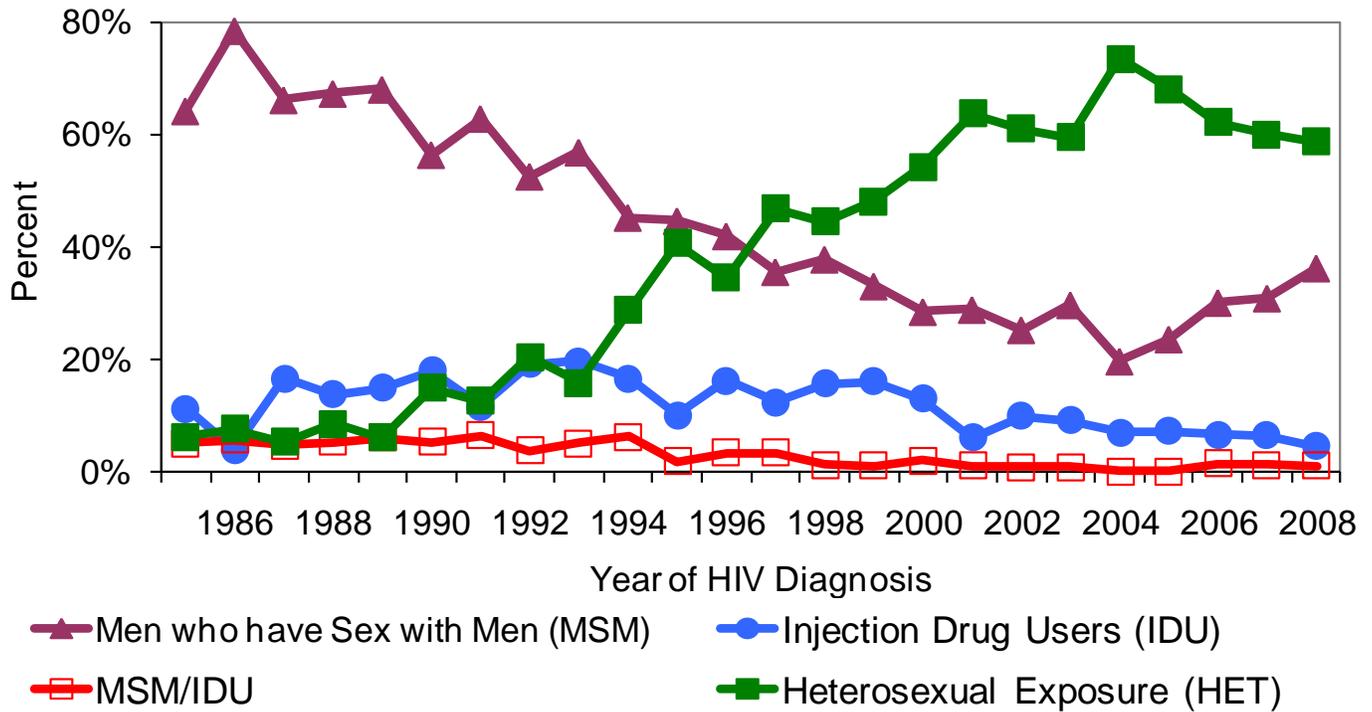
YEAR	Reported HIV Diagnoses	Percent Non-Hispanic White	Percent Non-Hispanic Black	Percent Hispanic	Percent Other
1985	86	64.0	30.2	3.5	2.3
1986	111	63.1	28.8	5.4	2.7
1987	140	67.1	29.3	3.6	0.0
1988	168	53.0	36.9	9.5	0.6
1989	189	51.3	40.7	6.3	1.6
1990	174	48.3	43.7	6.3	1.7
1991	203	39.4	47.8	12.3	0.5
1992	169	37.9	50.9	9.5	1.8
1993	124	31.5	51.6	15.3	1.6
1994	137	36.5	53.3	8.0	2.2
1995	145	31.0	54.5	11.7	2.8
1996	118	20.3	60.2	15.3	4.2
1997	127	24.4	68.5	6.3	0.8
1998	120	27.5	65.8	4.2	2.5
1999	143	18.9	67.1	9.8	4.2
2000	156	16.7	66.7	13.5	3.2
2001	160	13.8	72.5	10.6	3.1
2002	172	18.6	67.4	9.3	4.7
2003	179	17.3	69.8	11.2	1.7
2004	209	15.8	74.6	7.7	1.9
2005	217	9.7	77.9	9.7	2.8
2006	238	20.2	63.0	12.6	4.2
2007	375	19.7	64.3	12.3	3.7
2008	369	15.7	71.0	9.8	3.5

**Proportions by Age at Diagnosis of Reported HIV Cases with or without an AIDS Diagnosis by Year of HIV Diagnosis from 1985 through 2008 as Reported by Name through 12/31/09**



YEAR	Reported HIV Diagnoses	Percent Age <20	Percent Age 20-29	Percent Age 30-39	Percent Age 40-49	Percent Age 50-59	Percent Age 60+
1985	86	4.7	33.7	37.2	14.0	5.8	4.7
1986	111	3.6	32.4	38.7	15.3	5.4	4.5
1987	140	2.1	27.9	41.4	15.0	7.9	5.7
1988	168	0.6	32.1	42.3	17.9	4.8	2.4
1989	189	1.6	29.6	48.7	13.8	4.8	1.6
1990	174	1.7	25.3	44.8	20.1	4.0	4.0
1991	203	3.9	27.6	40.9	17.7	7.9	2.0
1992	169	4.1	23.1	44.4	18.3	8.9	1.2
1993	124	1.6	25.0	49.2	17.7	6.5	0.0
1994	137	1.5	21.2	39.4	29.2	6.6	2.2
1995	145	1.4	24.8	48.3	20.7	3.4	1.4
1996	118	4.2	27.1	44.9	17.8	3.4	2.5
1997	127	2.4	20.5	44.1	22.8	6.3	3.9
1998	120	2.5	23.3	39.2	21.7	12.5	0.8
1999	143	1.4	18.9	40.6	31.5	5.6	2.1
2000	156	3.2	19.2	42.3	21.8	11.5	1.9
2001	160	3.1	25.0	32.5	26.9	6.9	5.6
2002	172	4.7	18.6	37.8	27.3	7.6	4.1
2003	179	3.4	19.6	37.4	27.9	8.9	2.8
2004	209	1.0	19.6	30.6	31.1	12.4	5.3
2005	217	2.8	18.9	39.2	23.5	12.4	3.2
2006	238	2.5	28.6	29.8	25.2	10.5	3.4
2007	375	3.7	21.3	30.1	25.6	13.9	5.3
2008	369	1.4	24.4	29.0	28.5	10.0	6.8

**Proportions by Exposure Category\* of Reported HIV Cases with or without an AIDS Diagnosis and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2008 as Reported by Name through 12/31/09**



\* Cases with no reported exposure category were excluded from percent distributions. Other exposure category not shown.

YEAR	Reported HIV Diagnoses	With Exposure Category	Percent MSM	Percent IDU	Percent MSM/IDU	Percent HET	Percent Other Exposure
1985	86	81	64.2	11.1	4.9	6.2	13.6
1986	111	107	78.5	3.7	5.6	7.5	4.7
1987	140	133	66.2	16.5	4.5	5.3	7.5
1988	168	153	67.3	13.7	5.2	8.5	5.2
1989	189	169	68.0	14.8	5.9	5.9	5.3
1990	174	156	56.4	17.9	5.1	14.7	5.8
1991	203	175	62.9	11.4	6.3	12.6	6.9
1992	169	137	52.6	19.0	3.6	20.4	4.4
1993	124	102	56.9	19.6	4.9	15.7	2.9
1994	137	115	45.2	16.5	6.1	28.7	3.5
1995	145	121	44.6	9.9	1.7	40.5	3.3
1996	118	93	41.9	16.1	3.2	34.4	4.3
1997	127	90	35.6	12.2	3.3	46.7	2.2
1998	120	90	37.8	15.6	1.1	44.4	1.1
1999	143	100	33.0	16.0	1.0	48.0	2.0
2000	156	109	28.4	12.8	1.8	54.1	2.8
2001	160	118	28.8	5.9	0.8	63.6	0.8
2002	172	123	25.2	9.8	0.8	61.0	3.3
2003	179	145	29.7	9.0	0.7	59.3	1.4
2004	209	158	19.6	7.0	0.0	73.4	0.0
2005	217	157	23.6	7.0	0.0	68.2	1.3
2006	238	153	30.1	6.5	1.3	62.1	0.0
2007	375	175	30.9	6.3	1.1	60.0	1.7
2008	369	116	36.2	4.3	0.9	58.6	0.0

## Section IV – HIV and AIDS Cases by ZIP Code, Diagnoses during 2008

Reported HIV Cases with or without an AIDS Diagnosis, Diagnosed with HIV during 1/1/08-12/31/08 (Reported HIV Diagnoses) and Reported HIV Cases with an AIDS Diagnosis, Diagnosed with AIDS during 1/1/08-12/31/08 (Reported AIDS Diagnoses) as Reported by Name through 12/31/09

ZIP CODE OF RESIDENCE	Population <sup>a</sup>	Reported HIV Diagnoses <sup>b</sup>			Reported AIDS Diagnoses		
	No.	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>
20707	95	***	***	***	***	***	***
20783	1,141	5	1.5%	438.2	0	0.0%	0.0
20812	285	***	***	***	***	***	***
20814	27,475	7	2.1%	25.5	1	0.8%	3.6
20815	30,422	2	0.6%	6.6	1	0.8%	3.3
20816	16,542	1	0.3%	6.0	0	0.0%	0.0
20817	38,217	3	0.9%	7.8	2	1.7%	5.2
20818	2,187	1	0.3%	45.7	0	0.0%	0.0
20832	26,429	6	1.8%	22.7	2	1.7%	7.6
20833	6,845	0	0.0%	0.0	0	0.0%	0.0
20837	6,560	0	0.0%	0.0	0	0.0%	0.0
20838	190	***	***	***	***	***	***
20839	95	***	***	***	***	***	***
20841	2,187	1	0.3%	45.7	1	0.8%	45.7
20842	1,521	0	0.0%	0.0	0	0.0%	0.0
20850	36,506	37	10.9%	101.4	15	12.6%	41.1
20851	14,165	2	0.6%	14.1	0	0.0%	0.0
20852	38,027	11	3.2%	28.9	2	1.7%	5.3
20853	30,232	3	0.9%	9.9	1	0.8%	3.3
20854	50,386	5	1.5%	9.9	3	2.5%	6.0
20855	18,824	4	1.2%	21.2	1	0.8%	5.3
20860	1,331	0	0.0%	0.0	0	0.0%	0.0
20861	1,901	1	0.3%	52.6	0	0.0%	0.0
20862	380	***	***	***	***	***	***
20866	12,454	3	0.9%	24.1	1	0.8%	8.0
20868	285	***	***	***	***	***	***
20871	2,662	1	0.3%	37.6	1	0.8%	37.6
20872	13,119	1	0.3%	7.6	0	0.0%	0.0
20874	53,618	15	4.4%	28.0	7	5.9%	13.1
20876	24,242	9	2.6%	37.1	3	2.5%	12.4
20877	32,799	13	3.8%	39.6	5	4.2%	15.2
20878	60,083	10	2.9%	16.6	4	3.4%	6.7
20879	23,957	11	3.2%	45.9	5	4.2%	20.9
20880	570	***	***	***	***	***	***
20882	13,214	2	0.6%	15.1	1	0.8%	7.6
20886	35,841	5	1.5%	14.0	0	0.0%	0.0
20895	20,345	2	0.6%	9.8	1	0.8%	4.9
20896	665	***	***	***	***	***	***
20901	36,791	10	2.9%	27.2	6	5.0%	16.3
20902	46,298	19	5.6%	41.0	7	5.9%	15.1
20903	20,059	9	2.6%	44.9	1	0.8%	5.0
20904	53,238	51	15.0%	95.8	11	9.2%	20.7
20905	19,679	2	0.6%	10.2	1	0.8%	5.1
20906	66,548	28	8.2%	42.1	9	7.6%	13.5
20910	38,788	24	7.0%	61.9	10	8.4%	25.8
20912	23,102	35	10.3%	151.5	17	14.3%	73.6
21771	380	***	***	***	***	***	***
Missing <sup>d</sup>		28			1		
MONTGOMERY TOTAL	950,680	369	100.0%	38.8	120	100.0%	12.6

- a Population is extrapolated from the 2000 Census by ZIP and the July 1, 2008 Census Population Estimates by county
- b During the transition to name-based HIV reporting, many reported HIV cases were identified by a recent HIV diagnosis, but not by their earliest HIV diagnosis, resulting in an over-reporting of HIV diagnoses in recent years
- c Rate is number of cases per 100,000 population
- d Cases with missing ZIP codes were excluded from percent distribution

\*\*\* Data withheld due to low population and/or case counts

## Section V – HIV and AIDS Cases by ZIP Code, Alive on 12/31/2008

Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09

ZIP CODE OF RESIDENCE	Popu- lation <sup>a</sup>	Living HIV Cases without AIDS <sup>b</sup>			Living HIV Cases with AIDS			Total Living HIV Cases <sup>b</sup>			
	No.	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>	Ratio <sup>d</sup> (1 in X)
20707	95	***	***	***	***	***	***	***	***	***	***
20783	1,141	5	0.4%	438.2	0	0.0%	0.0	5	0.2%	438.2	228
20812	285	***	***	***	***	***	***	***	***	***	***
20814	27,475	13	1.0%	47.3	24	1.5%	87.4	37	1.3%	134.7	742
20815	30,422	15	1.2%	49.3	14	0.9%	46.0	29	1.0%	95.3	1,049
20816	16,542	5	0.4%	30.2	11	0.7%	66.5	16	0.6%	96.7	1,033
20817	38,217	13	1.0%	34.0	19	1.2%	49.7	32	1.1%	83.7	1,194
20818	2,187	1	0.1%	45.7	3	0.2%	137.2	4	0.1%	182.9	546
20832	26,429	15	1.2%	56.8	11	0.7%	41.6	26	0.9%	98.4	1,016
20833	6,845	0	0.0%	0.0	2	0.1%	29.2	2	0.1%	29.2	3,422
20837	6,560	1	0.1%	15.2	3	0.2%	45.7	4	0.1%	61.0	1,640
20838	190	***	***	***	***	***	***	***	***	***	***
20839	95	***	***	***	***	***	***	***	***	***	***
20841	2,187	3	0.2%	137.2	2	0.1%	91.4	5	0.2%	228.6	437
20842	1,521	1	0.1%	65.7	1	0.1%	65.7	2	0.1%	131.5	760
20850	36,506	50	3.9%	137.0	50	3.0%	137.0	100	3.4%	273.9	365
20851	14,165	16	1.3%	113.0	9	0.5%	63.5	25	0.9%	176.5	566
20852	38,027	52	4.1%	136.7	41	2.5%	107.8	93	3.2%	244.6	408
20853	30,232	21	1.7%	69.5	31	1.9%	102.5	52	1.8%	172.0	581
20854	50,386	26	2.0%	51.6	28	1.7%	55.6	54	1.9%	107.2	933
20855	18,824	17	1.3%	90.3	12	0.7%	63.7	29	1.0%	154.1	649
20860	1,331	1	0.1%	75.1	4	0.2%	300.5	5	0.2%	375.7	266
20861	1,901	1	0.1%	52.6	3	0.2%	157.8	4	0.1%	210.4	475
20862	380	***	***	***	***	***	***	***	***	***	***
20866	12,454	22	1.7%	176.7	22	1.3%	176.7	44	1.5%	353.3	283
20868	285	***	***	***	***	***	***	***	***	***	***
20871	2,662	4	0.3%	150.3	7	0.4%	263.0	11	0.4%	413.2	242
20872	13,119	7	0.6%	53.4	7	0.4%	53.4	14	0.5%	106.7	937
20874	53,618	72	5.7%	134.3	71	4.3%	132.4	143	4.9%	266.7	374
20876	24,242	29	2.3%	119.6	23	1.4%	94.9	52	1.8%	214.5	466
20877	32,799	52	4.1%	158.5	83	5.1%	253.1	135	4.6%	411.6	242
20878	60,083	41	7.3%	68.2	58	3.5%	96.5	99	3.4%	164.8	606
20879	23,957	34	2.7%	141.9	47	2.9%	196.2	81	2.8%	338.1	295
20880	570	***	***	***	***	***	***	***	***	***	***
20882	13,214	4	0.3%	30.3	4	0.2%	30.3	8	0.3%	60.5	1,651
20886	35,841	27	2.1%	75.3	41	2.5%	114.4	68	2.3%	189.7	527
20895	20,345	10	0.8%	49.2	29	1.8%	142.5	39	1.3%	191.7	521
20896	665	***	***	***	***	***	***	***	***	***	***
20901	36,791	60	4.7%	163.1	102	6.2%	277.2	162	5.6%	440.3	227
20902	46,298	104	8.2%	224.6	121	7.4%	261.4	225	7.7%	486.0	205
20903	20,059	52	4.1%	259.2	90	5.5%	448.7	142	4.9%	707.9	141
20904	53,238	152	12.0%	285.5	166	10.1%	311.8	318	10.9%	597.3	167
20905	19,679	9	0.7%	45.7	16	1.0%	81.3	25	0.9%	127.0	787
20906	66,548	118	9.3%	177.3	151	9.2%	226.9	269	9.2%	404.2	247
20910	38,788	115	9.1%	296.5	165	10.1%	425.4	280	9.6%	721.9	138
20912	23,102	98	7.7%	424.2	167	10.2%	722.9	265	9.1%	1,147.1	87
21771	380	***	***	***	***	***	***	***	***	***	***
Missing <sup>d</sup>		47			52			99			
MONTGOMERY TOTAL	950,680	1,316	100.0%	138.4	1,692	100.0%	178.0	3,008	100.0%	316.4	316

- a Population is extrapolated from the 2000 Census by ZIP and the July 1, 2008 Census Population Estimates by county
- b During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported
- c Rate is number of cases per 100,000 population
- d Ratio is number of people per case (there was 1 case for every 316 people in Montgomery County)
- e Cases with missing ZIP codes were excluded from percent distributions

\*\*\* Data withheld due to low population and/or case counts

## Section VI – HIV and AIDS Case by Demographics, Diagnoses during 2008

Reported HIV Cases with or without an AIDS Diagnosis, Diagnosed with HIV during 1/1/08-12/31/08 (Reported HIV Diagnoses) and Reported HIV Cases with an AIDS Diagnosis, Diagnosed with AIDS during 1/1/08-12/31/08 (Reported AIDS Diagnoses) as Reported by Name through 12/31/09

GENDER	Population <sup>a</sup>	Reported HIV Diagnoses <sup>b</sup>			Reported AIDS Diagnoses		
	No.	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>
Male	458,205	218	59.1%	47.6	72	60.0%	15.7
Female	492,475	151	40.9%	30.7	48	40.0%	9.7
GENDER TOTAL	950,680	369	100.0%	38.8	120	100.0%	12.6

RACE/ETHNICITY	Population <sup>a</sup>	Reported HIV Diagnoses <sup>b</sup>			Reported AIDS Diagnoses		
	No.	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>
Non-Hispanic White	512,765	58	15.7%	11.3	16	13.3%	3.1
Non-Hispanic Black	150,984	262	71.0%	173.5	81	67.5%	53.6
Hispanic	140,657	36	9.8%	25.6	15	12.5%	10.7
Other	146,274	13	3.5%	8.9	8	6.7%	5.5
RACE/ETHNICITY TOTAL	950,680	369	100.0%	38.8	120	100.0%	12.6

AGE AT DIAGNOSIS	Population <sup>a</sup>	Reported HIV Diagnoses <sup>b</sup>			Reported AIDS Diagnoses		
	No.	No.	%	Rate <sup>c</sup>	No.	No.	Rate <sup>c</sup>
<5 (Pediatric)	66,019	0	0.0%	0.0	0	0.0%	0.0
5-12 (Pediatric)	98,871	2	0.5%	2.0	0	0.0%	0.0
13-19	86,295	3	0.8%	3.5	0	0.0%	0.0
20-29	109,606	90	24.4%	82.1	21	17.5%	19.2
30-39	122,835	107	29.0%	87.1	40	33.3%	32.6
40-49	154,909	105	28.5%	67.8	38	31.7%	24.5
50-59	142,074	37	10.0%	26.0	9	7.5%	6.3
60+	170,071	25	6.8%	14.7	12	10.0%	7.1
AGE TOTAL	950,680	369	100.0%	38.8	120	100.0%	12.6

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, many reported HIV cases were identified by a recent HIV diagnosis, but not by their earliest HIV diagnosis, resulting in an over-reporting of HIV diagnoses in recent years

c Rate is number of cases per 100,000 population

## Section VII – HIV and AIDS Cases by Demographics, Alive on 12/31/2008

Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09

GENDER	Population <sup>a</sup>	Living HIV Cases without AIDS <sup>b</sup>			Living HIV Cases with AIDS			Total Living HIV Cases <sup>b</sup>			
	No.	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>	Ratio <sup>d</sup> (1 in X)
Male	458,205	764	58.1%	166.7	1,087	64.2%	237.2	1,851	61.5%	404.0	247
Female	492,475	552	41.9%	112.1	605	35.8%	122.8	1,157	38.5%	234.9	425
GENDER TOTAL	950,680	1,316	100.0%	138.4	1,692	100.0%	178.0	3,008	100.0%	316.4	316

RACE/ ETHNICITY	Population <sup>a</sup>	Living HIV Cases without AIDS <sup>b</sup>			Living HIV Cases with AIDS			Total Living HIV Cases <sup>b</sup>			
	No.	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>	Ratio <sup>d</sup> (1 in X)
Non-Hispanic White	512,765	298	22.6%	58.1	361	21.3%	70.4	659	21.9%	128.5	778
Non-Hispanic Black	150,984	859	65.3%	568.9	1,078	63.7%	714.0	1,937	64.4%	1,282.9	77
Hispanic	140,657	110	8.4%	78.2	214	12.6%	152.1	324	10.8%	230.3	434
Other	146,274	49	3.7%	33.5	39	2.3%	26.7	88	2.9%	60.2	1,662
RACE/ ETHNICITY TOTAL	950,680	1,316	100.0%	138.4	1,692	100.0%	178.0	3,008	100.0%	316.4	316

AGE ON 12/31/08	Population <sup>a</sup>	Living HIV Cases without AIDS <sup>b</sup>			Living HIV Cases with AIDS			Total Living HIV Cases <sup>b</sup>			
	No.	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>	No.	%	Rate <sup>c</sup>	Ratio <sup>d</sup> (1 in X)
<5 (Pediatric)	66,019	1	0.1%	1.5	0	0.0%	0.0	1	0.0%	1.5	66,019
5-12 (Pediatric)	98,871	11	0.8%	11.1	3	0.2%	3.0	14	0.5%	14.2	7,062
13-19	86,295	9	0.7%	10.4	9	0.5%	10.4	18	0.6%	20.9	4,794
20-29	109,606	184	14.0%	167.9	89	5.3%	81.2	273	9.1%	249.1	401
30-39	122,835	358	27.2%	291.4	391	23.1%	318.3	749	24.9%	609.8	163
40-49	154,909	434	33.0%	280.2	630	37.2%	406.7	1,064	35.4%	686.9	145
50-59	142,074	239	18.2%	168.2	428	25.3%	301.3	667	22.2%	469.5	213
60+	170,071	80	6.1%	47.0	142	8.4%	83.5	222	7.4%	130.5	766
AGE TOTAL	950,680	1,316	100.0%	138.4	1,692	100.0%	178.0	3,008	100.0%	316.4	316

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported

c Rate is number of cases per 100,000 population

d Ratio is number of people per case (there was 1 case for every 316 people in Montgomery County)

## Section VIII –HIV and AIDS Cases by Expanded Demographics, Alive on 12/31/2008

Male Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09

MALES						
AGE ON 12/31/08		RACE/ETHNICITY				TOTAL MALES BY AGE
		Non-Hispanic White	Non-Hispanic Black	Hispanic	Other	
<13 (Pediatric)	Population <sup>a</sup>	38,036	14,274	17,732	14,050	84,092
	Cases <sup>b</sup>	***	***	***	***	10
	Rate <sup>c</sup>	***	***	***	***	11.9
	Ratio (1 in X) <sup>d</sup>	***	***	***	***	8,409
13-19	Population <sup>a</sup>	23,222	7,438	7,333	6,548	44,541
	Cases <sup>b</sup>	***	***	***	***	7
	Rate <sup>c</sup>	***	***	***	***	15.7
	Ratio (1 in X) <sup>d</sup>	***	***	***	***	6,363
20-29	Population <sup>a</sup>	25,380	10,504	11,948	8,151	55,983
	Cases <sup>b</sup>	***	77	***	***	141
	Rate <sup>c</sup>	***	733.1	***	***	251.9
	Ratio (1 in X) <sup>d</sup>	***	136	***	***	397
30-39	Population <sup>a</sup>	25,178	9,883	12,610	11,061	58,732
	Cases <sup>b</sup>	65	204	83	16	368
	Rate <sup>c</sup>	258.2	2,064.2	658.2	144.7	626.6
	Ratio (1 in X) <sup>d</sup>	387	48	151	691	159
40-49	Population <sup>a</sup>	39,659	11,789	10,687	11,604	73,739
	Cases <sup>b</sup>	217	375	93	29	714
	Rate <sup>c</sup>	547.2	3,180.9	870.2	249.9	968.3
	Ratio (1 in X) <sup>d</sup>	182	31	114	400	103
50-59	Population <sup>a</sup>	43,253	8,483	6,320	9,063	67,119
	Cases <sup>b</sup>	154	247	42	8	451
	Rate <sup>c</sup>	356.0	2,911.7	664.6	88.3	671.9
	Ratio (1 in X) <sup>d</sup>	280	34	150	1,132	148
60+	Population <sup>a</sup>	52,500	7,132	4,520	9,847	73,999
	Cases <sup>b</sup>	63	81	***	***	160
	Rate <sup>c</sup>	120.0	1,135.7	***	***	216.2
	Ratio (1 in X) <sup>d</sup>	833	88	***	***	462
TOTAL MALES BY RACE/ ETHNICITY	Population <sup>a</sup>	247,228	69,503	71,150	70,324	458,205
	Cases <sup>b</sup>	541	996	253	61	1,851
	Rate <sup>c</sup>	218.8	1,433.0	355.6	86.7	404.0
	Ratio (1 in X) <sup>d</sup>	456	69	281	1,152	247

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported

c Rate is number of cases per 100,000 population

d Ratio is number of people per case (there was 1 case for every 247 males in Montgomery County)

\*\*\* Data withheld due to low population and/or case counts

**Female Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09**

FEMALES						
AGE ON 12/31/08		RACE/ETHNICITY				TOTAL FEMALES BY AGE
		Non-Hispanic White	Non-Hispanic Black	Hispanic	Other	
<13 (Pediatric)	Population <sup>a</sup>	36,373	13,637	17,178	13,610	80,798
	Cases <sup>b</sup>	***	***	***	***	5
	Rate <sup>c</sup>	***	***	***	***	6.2
	Ratio (1 in X) <sup>d</sup>	***	***	***	***	16,159
13-19	Population <sup>a</sup>	21,273	7,424	6,831	6,226	41,754
	Cases <sup>b</sup>	***	***	***	***	11
	Rate <sup>c</sup>	***	***	***	***	26.3
	Ratio (1 in X) <sup>d</sup>	***	***	***	***	3,795
20-29	Population <sup>a</sup>	24,703	11,110	9,725	8,085	53,623
	Cases <sup>b</sup>	***	104	***	***	132
	Rate <sup>c</sup>	***	936.1	***	***	246.2
	Ratio (1 in X) <sup>d</sup>	***	106	***	***	406
30-39	Population <sup>a</sup>	27,264	12,948	10,768	13,123	64,103
	Cases <sup>b</sup>	27	316	28	10	381
	Rate <sup>c</sup>	99.0	2,440.5	260.0	76.2	594.4
	Ratio (1 in X) <sup>d</sup>	1,009	40	384	1,312	168
40-49	Population <sup>a</sup>	43,293	14,399	10,608	12,870	81,170
	Cases <sup>b</sup>	37	284	22	7	350
	Rate <sup>c</sup>	85.5	1,972.4	207.4	54.4	431.2
	Ratio (1 in X) <sup>d</sup>	1,170	50	482	1,838	231
50-59	Population <sup>a</sup>	46,200	10,800	7,180	10,775	74,955
	Cases <sup>b</sup>	27	178	6	5	216
	Rate <sup>c</sup>	58.4	1,648.1	83.6	46.4	288.2
	Ratio (1 in X) <sup>d</sup>	1,711	60	1,196	2,155	347
60+	Population <sup>a</sup>	66,431	11,163	7,217	11,261	96,072
	Cases <sup>b</sup>	11	44	***	***	62
	Rate <sup>c</sup>	16.6	394.2	***	***	64.5
	Ratio (1 in X) <sup>d</sup>	6,039	253	***	***	1,549
TOTAL FEMALES BY RACE/ETHNICITY	Population <sup>a</sup>	265,537	81,481	69,507	75,950	492,475
	Cases <sup>b</sup>	118	941	71	27	1,157
	Rate <sup>c</sup>	44.4	1,154.9	102.1	35.5	234.9
	Ratio (1 in X) <sup>d</sup>	2,250	86	978	2,812	425

a Population is from the July 1, 2008 Census Population Estimates

b During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS and the total living HIV cases are lower than previously reported

c Rate is number of cases per 100,000 population

d Ratio is number of people per case (there was 1 case for every 425 females in Montgomery County)

\*\*\* Data withheld due to low population and/or case counts

## Section IX – HIV and AIDS Cases by Exposure Category, Age, and Gender, Diagnoses during 2008

Reported HIV Cases with or without an AIDS Diagnosis, Diagnosed with HIV during 1/1/08-12/31/08 (Reported HIV Diagnoses) and Reported HIV Cases with an AIDS Diagnosis, Diagnosed with AIDS during 1/1/08-12/31/08 (Reported AIDS Diagnoses) as Reported by Name through 12/31/09

ALL AGES ALL GENDERS EXPOSURE CATEGORY	Reported HIV Diagnoses <sup>a</sup>		Reported AIDS Diagnoses	
	No.	%	No.	%
Men who have Sex with Men (MSM)	42	36.2%	15	34.1%
Injection Drug Users (IDU)	5	4.3%	2	4.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	1	0.9%	0	0.0%
Heterosexual Exposure (HET)	68	58.6%	27	61.4%
Other Exposures	0	0.0%	0	0.0%
No Reported Exposure <sup>b</sup>	253		76	
<b>TOTAL</b>	<b>369</b>	<b>100.0%</b>	<b>120</b>	<b>100.0%</b>

ADULT/ADOLESCENT (AGE 13+ AT DIAGNOSIS) MALES EXPOSURE CATEGORY	Reported HIV Diagnoses <sup>a</sup>		Reported AIDS Diagnoses	
	No.	%	No.	%
Men who have Sex with Men (MSM)	42	60.0%	15	68.2%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	0	0.0%
Heterosexual Exposure (HET)	***	***	7	31.8%
Other Exposures	0	0.0%	0	0.0%
No Reported Exposure <sup>b</sup>	147		50	
<b>TOTAL ADULT/ADOLESCENT MALES</b>	<b>217</b>	<b>100.0%</b>	<b>72</b>	<b>100.0%</b>

ADULT/ADOLESCENT (AGE 13+ AT DIAGNOSIS) FEMALES EXPOSURE CATEGORY	Reported HIV Diagnoses <sup>a</sup>		Reported AIDS Diagnoses	
	No.	%	No.	%
Injection Drug Users (IDU)	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***
Other Exposures	0	0.0%	0	0.0%
No Reported Exposure <sup>b</sup>	104		26	
<b>TOTAL ADULT/ADOLESCENT FEMALES</b>	<b>150</b>	<b>100.0%</b>	<b>48</b>	<b>100.0%</b>

a During the transition to name-based HIV reporting, many reported HIV cases were identified by a recent HIV diagnosis, but not by their earliest HIV diagnosis, resulting in an over-reporting of HIV diagnoses in recent years

b Cases with no reported exposure category were excluded from percent distributions

\*\*\* Data withheld due to low population and/or case counts

**Section X – Living HIV and AIDS Cases by Exposure Category, Age, and Gender, Alive on 12/31/2008**

**Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to Have Died as of 12/31/08 as Reported by Name through 12/31/09**

ALL AGES ALL GENDERS EXPOSURE CATEGORY	Living HIV Cases without AIDS <sup>a</sup>		Living HIV Cases with AIDS		Total Living HIV Cases	
	No.	%	No.	%	No.	%
Men who have Sex with Men (MSM)	264	36.1%	447	35.1%	711	35.4%
Injection Drug Users (IDU)	58	7.9%	144	11.3%	202	10.1%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	9	1.2%	40	3.1%	49	2.4%
Heterosexual Exposure (HET)	386	52.8%	617	48.4%	1,003	50.0%
Other Exposures	14	1.9%	27	2.1%	41	2.0%
No Reported Exposure <sup>b</sup>	585		417		1,002	
TOTAL	1,316	100.0%	1,692	100.0%	3,008	100.0%

ADULT/ADOLESCENT (AGE 13+ ON 12/31/08) MALES EXPOSURE CATEGORY	Living HIV Cases without AIDS <sup>a</sup>		Living HIV Cases with AIDS		Total Living HIV Cases	
	No.	%	No.	%	No.	%
Men who have Sex with Men (MSM)	264	58.7%	447	54.1%	711	55.7%
Injection Drug Users (IDU)	43	9.6%	94	11.4%	137	10.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	9	2.0%	40	4.8%	49	3.8%
Heterosexual Exposure (HET)	129	28.7%	234	28.3%	363	28.4%
Other Exposures	5	1.1%	12	1.5%	17	1.3%
No Reported Exposure <sup>b</sup>	307		257		564	
TOTAL ADULT/ADOLESCENT MALES	757	100.0%	1,084	100.0%	1,841	100.0%

ADULT/ADOLESCENT (AGE 13+ ON 12/31/08) FEMALES EXPOSURE CATEGORY	Living HIV Cases without AIDS <sup>a</sup>		Living HIV Cases with AIDS		Total Living HIV Cases	
	No.	%	No.	%	No.	%
Injection Drug Users (IDU)	15	5.5%	50	11.2%	65	9.0%
Heterosexual Exposure (HET)	257	93.5%	383	85.9%	640	88.8%
Other Exposures	3	1.1%	13	2.9%	16	2.2%
No Reported Exposure <sup>b</sup>	272		159		431	
TOTAL ADULT/ADOLESCENT FEMALES	547	100.0%	605	100.0%	1,152	100.0%

a During the transition to name-based HIV reporting, not all code-based HIV cases were located and re-reported, therefore the number of living HIV cases without AIDS is lower than previously reported

b Cases with no reported exposure category were excluded from percent distributions