

Maryland 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

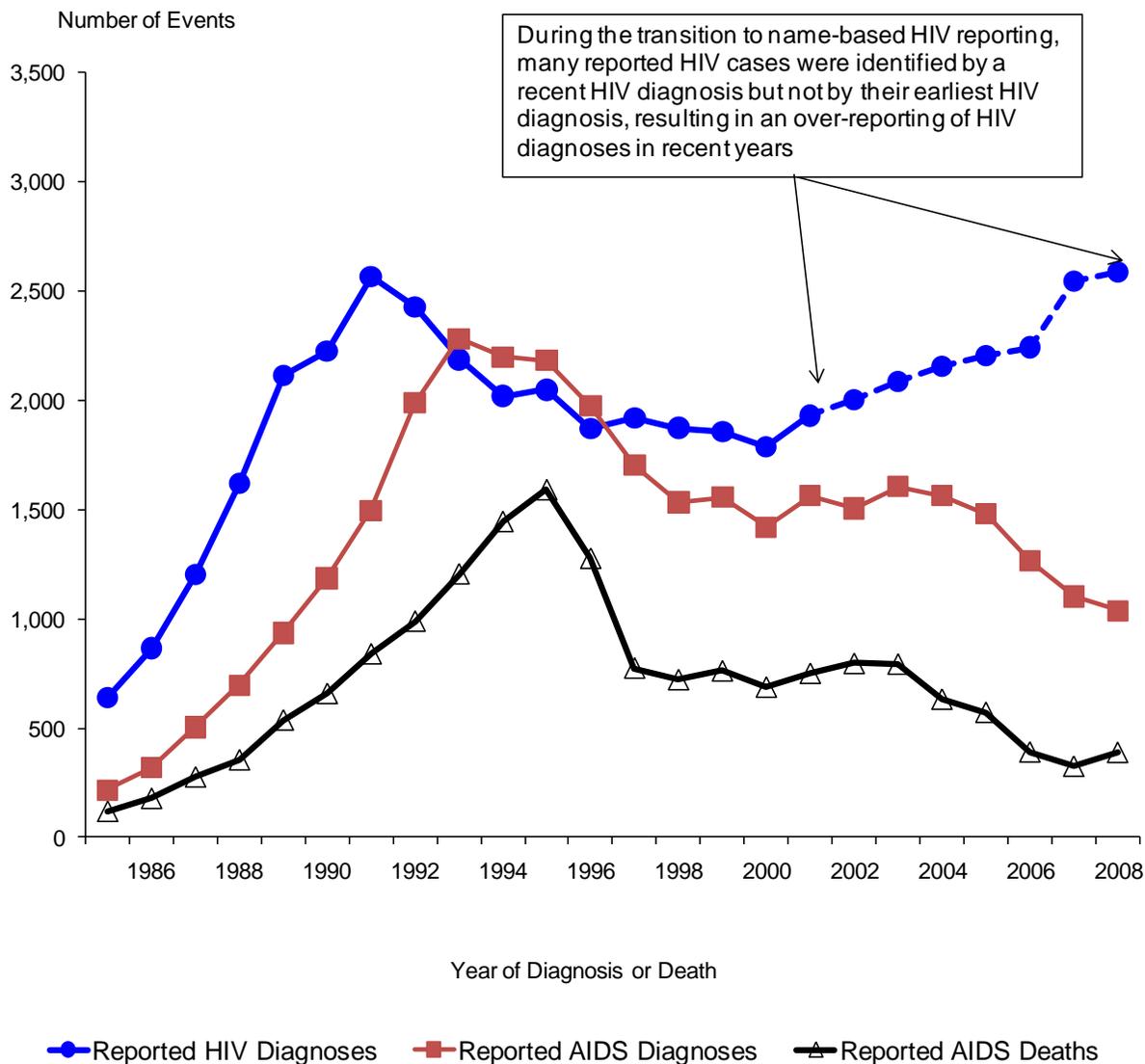
The terminology for HIV and AIDS cases was changed from earlier profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence 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

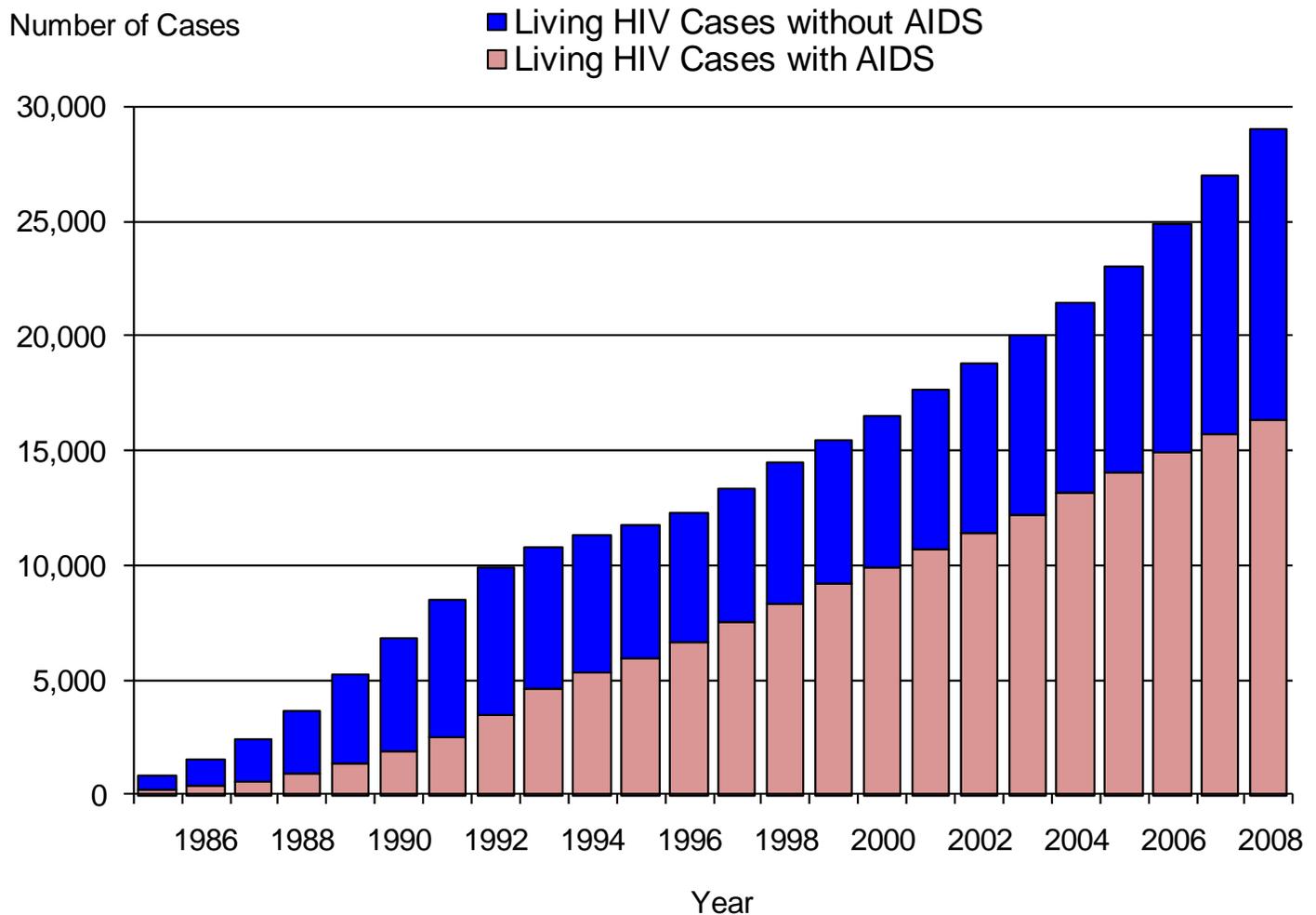
Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnosis) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) 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	639	217	121	1993	2,188	2,283	1,205	2001	1,930	1,564	751
1986	865	319	180	1994	2,019	2,198	1,444	2002	2,002	1,505	796
1987	1,205	504	278	1995	2,048	2,182	1,589	2003	2,087	1,604	793
1988	1,621	697	356	1996	1,870	1,973	1,276	2004	2,158	1,564	633
1989	2,113	936	538	1997	1,917	1,702	775	2005	2,206	1,480	573
1990	2,224	1,186	659	1998	1,873	1,533	722	2006	2,242	1,264	392
1991	2,568	1,497	840	1999	1,858	1,557	762	2007	2,547	1,102	327
1992	2,427	1,987	989	2000	1,785	1,419	688	2008	2,586	1,038	390

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 31st of Each Year from 1985 through 2008 as Reported by Name through 12/31/09

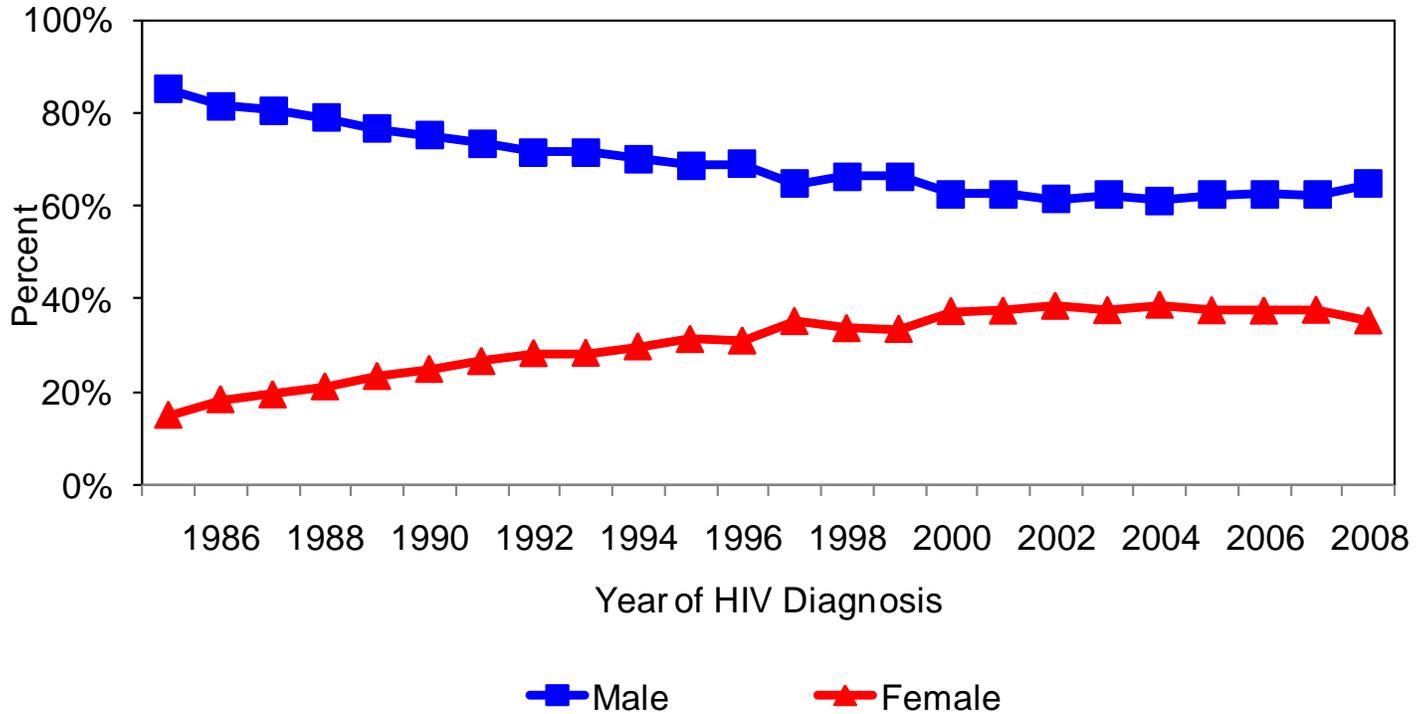


YEAR	Living HIV Cases without AIDS*	Living HIV Cases with AIDS	Total Living HIV Cases*	YEAR	Living HIV Cases without AIDS*	Living HIV Cases with AIDS	Total Living HIV Cases*
1985	589	168	757	1997	5,802	7,503	13,305
1986	1,133	307	1,440	1998	6,096	8,314	14,410
1987	1,830	533	2,363	1999	6,343	9,109	15,452
1988	2,748	874	3,622	2000	6,666	9,840	16,506
1989	3,910	1,272	5,182	2001	6,960	10,653	17,613
1990	4,932	1,799	6,731	2002	7,391	11,362	18,753
1991	5,976	2,456	8,432	2003	7,789	12,173	19,962
1992	6,366	3,454	9,820	2004	8,324	13,104	21,428
1993	6,212	4,532	10,744	2005	9,005	14,011	23,016
1994	6,000	5,286	11,286	2006	9,919	14,883	24,802
1995	5,817	5,879	11,696	2007	11,311	15,658	26,969
1996	5,654	6,576	12,230	2008	12,715	16,306	29,021

* 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

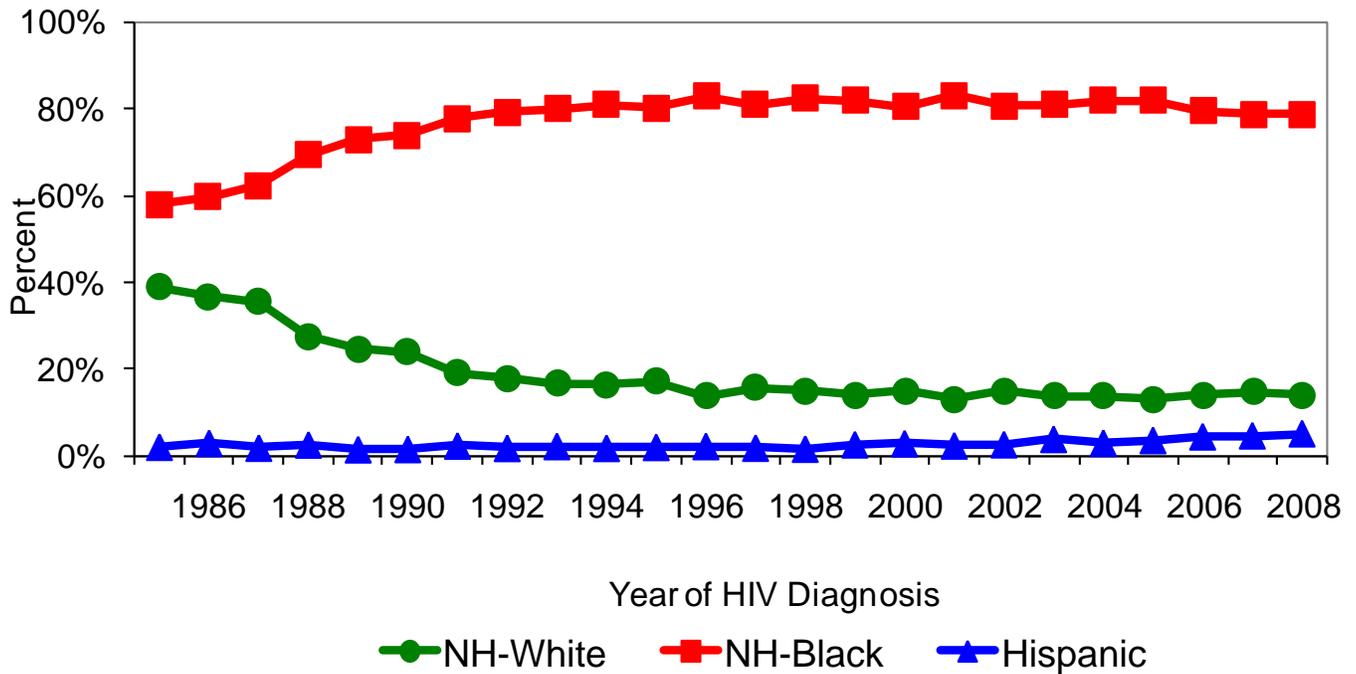
Section III – Trends in Reported HIV Diagnoses by Demographics and Exposure Category, 1985-2008

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	639	85.0	15.0	1997	1,917	64.8	35.2
1986	865	81.6	18.4	1998	1,873	66.3	33.7
1987	1,205	80.6	19.4	1999	1,858	66.5	33.5
1988	1,621	78.8	21.2	2000	1,785	62.6	37.4
1989	2,113	76.6	23.4	2001	1,930	62.5	37.5
1990	2,224	75.1	24.9	2002	2,002	61.5	38.5
1991	2,568	73.4	26.6	2003	2,087	62.4	37.6
1992	2,427	71.7	28.3	2004	2,158	61.3	38.7
1993	2,188	71.6	28.4	2005	2,206	62.5	37.5
1994	2,019	70.2	29.8	2006	2,242	62.5	37.5
1995	2,048	68.7	31.3	2007	2,547	62.3	37.7
1996	1,870	69.0	31.0	2008	2,586	64.7	35.3

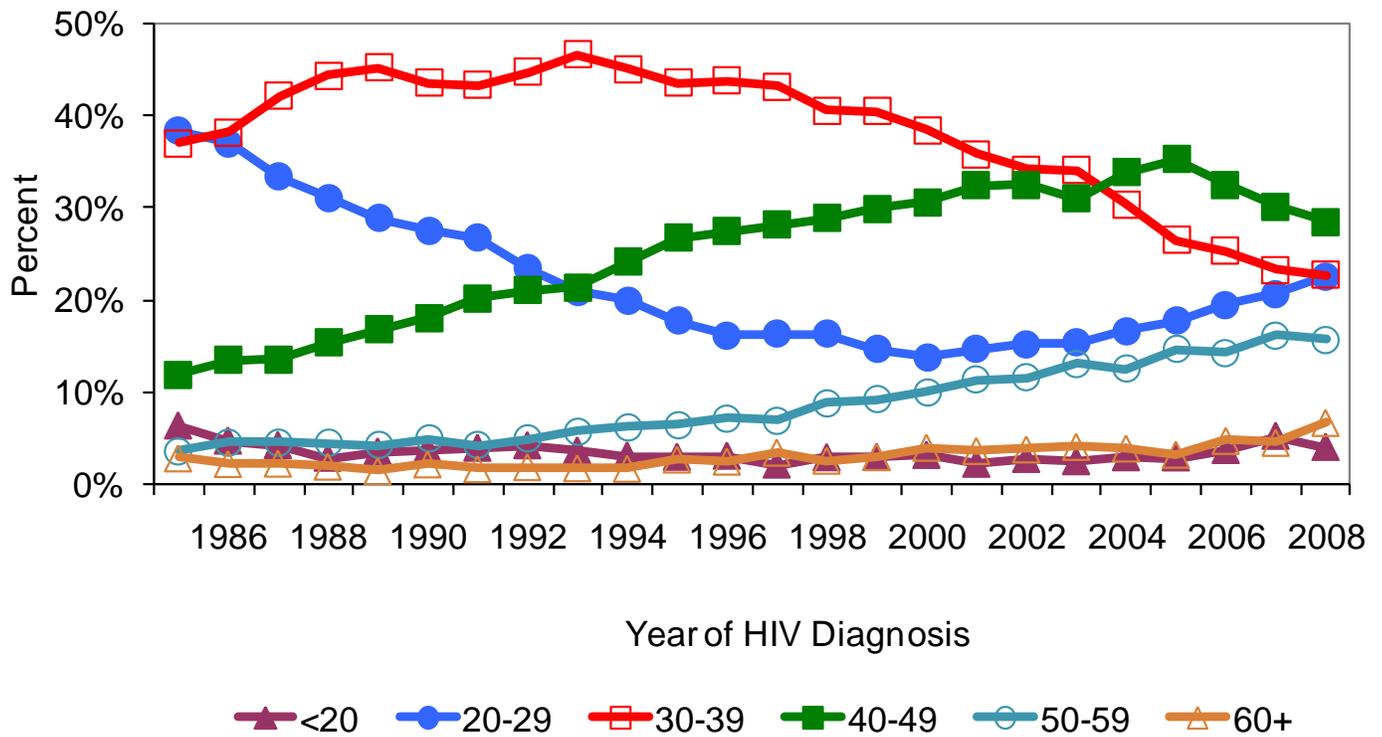
Proportions by Race/Ethnicity* of Reported HIV Cases with or without an AIDS Diagnosis by Year of HIV Diagnosis from 1985 through 2008 as Reported by Name through 12/31/09



* Other race category not shown.

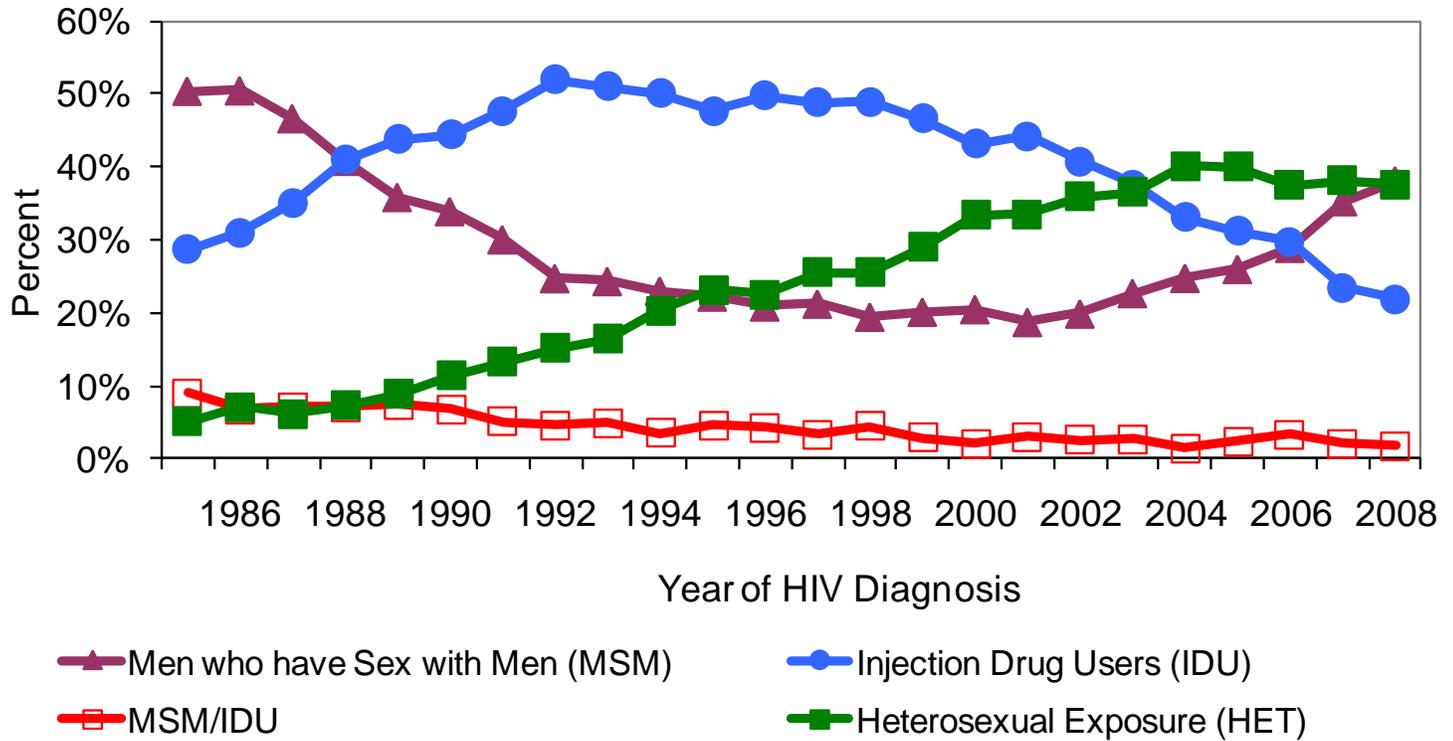
YEAR	Reported HIV Diagnoses	Percent Non-Hispanic White	Percent Non-Hispanic Black	Percent Hispanic	Percent Other
1985	639	38.8	57.9	2.0	1.3
1986	865	36.6	59.8	2.9	0.7
1987	1,205	35.5	62.3	1.8	0.3
1988	1,621	27.6	69.3	2.5	0.6
1989	2,113	24.7	73.1	1.5	0.7
1990	2,224	23.8	74.1	1.5	0.6
1991	2,568	19.0	77.9	2.3	0.9
1992	2,427	17.9	79.3	1.8	1.0
1993	2,188	16.6	80.1	2.2	1.1
1994	2,019	16.4	81.1	1.8	0.7
1995	2,048	17.1	80.2	2.0	0.7
1996	1,870	13.9	82.9	2.2	1.0
1997	1,917	15.8	81.0	1.8	1.4
1998	1,873	14.8	82.3	1.6	1.2
1999	1,858	13.9	81.9	2.6	1.6
2000	1,785	14.9	80.4	2.8	1.8
2001	1,930	12.9	83.1	2.3	1.7
2002	2,002	15.0	80.8	2.6	1.6
2003	2,087	13.7	81.1	3.8	1.4
2004	2,158	13.9	81.9	2.9	1.3
2005	2,206	13.0	82.0	3.5	1.5
2006	2,242	14.1	79.5	4.4	2.1
2007	2,547	14.7	78.7	4.6	2.0
2008	2,586	13.9	78.8	5.1	2.3

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	639	6.3	38.3	37.1	11.9	3.6	2.8
1986	865	4.6	37.0	38.3	13.4	4.5	2.2
1987	1,205	4.1	33.4	42.2	13.5	4.6	2.2
1988	1,621	2.8	31.2	44.4	15.3	4.4	1.9
1989	2,113	3.5	28.9	45.3	16.8	4.2	1.4
1990	2,224	3.7	27.6	43.6	18.1	4.9	2.2
1991	2,568	3.9	26.7	43.4	20.2	4.2	1.6
1992	2,427	4.1	23.4	44.8	21.0	4.9	1.9
1993	2,188	3.6	20.9	46.6	21.4	5.7	1.7
1994	2,019	3.0	20.0	45.1	24.1	6.1	1.7
1995	2,048	2.9	17.7	43.6	26.7	6.4	2.7
1996	1,870	3.0	16.1	43.9	27.4	7.2	2.5
1997	1,917	2.0	16.3	43.2	28.1	6.9	3.4
1998	1,873	2.8	16.3	40.6	28.9	8.9	2.6
1999	1,858	2.9	14.6	40.5	29.9	9.2	3.0
2000	1,785	3.1	13.8	38.4	30.6	10.0	4.0
2001	1,930	2.1	14.7	35.9	32.4	11.3	3.6
2002	2,002	2.6	15.2	34.2	32.5	11.6	3.8
2003	2,087	2.4	15.3	34.1	31.0	13.1	4.1
2004	2,158	2.8	16.6	30.4	33.9	12.5	3.9
2005	2,206	2.8	17.7	26.4	35.3	14.6	3.2
2006	2,242	3.6	19.5	25.3	32.6	14.2	4.7
2007	2,547	5.1	20.7	23.3	30.2	16.1	4.5
2008	2,586	3.9	22.5	22.7	28.5	15.7	6.7

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	639	603	50.4	28.7	9.0	5.1	6.8
1986	865	838	50.5	31.0	6.8	7.2	4.5
1987	1,205	1,153	46.7	35.1	7.2	6.2	4.8
1988	1,621	1,557	40.8	41.0	7.1	7.3	3.8
1989	2,113	2,014	35.9	43.8	7.5	8.9	3.9
1990	2,224	2,111	34.0	44.5	6.8	11.3	3.5
1991	2,568	2,424	30.1	47.8	5.1	13.3	3.7
1992	2,427	2,242	24.8	52.0	4.6	15.1	3.5
1993	2,188	2,053	24.4	50.9	4.9	16.4	3.4
1994	2,019	1,880	23.1	50.1	3.6	20.3	3.0
1995	2,048	1,876	22.3	47.7	4.6	23.1	2.3
1996	1,870	1,696	20.9	49.8	4.3	22.6	2.4
1997	1,917	1,670	21.3	48.8	3.4	25.5	1.0
1998	1,873	1,608	19.5	49.0	4.5	25.6	1.4
1999	1,858	1,559	20.2	46.6	2.9	29.1	1.3
2000	1,785	1,493	20.6	43.2	2.1	33.4	0.7
2001	1,930	1,601	18.8	44.2	3.0	33.5	0.5
2002	2,002	1,678	20.0	40.8	2.6	35.9	0.8
2003	2,087	1,722	22.8	37.6	2.7	36.5	0.4
2004	2,158	1,679	24.8	33.1	1.4	40.1	0.5
2005	2,206	1,569	26.1	31.2	2.4	40.0	0.4
2006	2,242	1,451	28.9	29.8	3.3	37.5	0.5
2007	2,547	1,407	35.3	23.5	2.1	38.1	0.9
2008	2,586	1,273	38.2	21.8	1.8	37.7	0.5

Section IV – HIV and AIDS Cases by Jurisdiction, 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

JURISDICTION OF RESIDENCE	Population ^a	Reported HIV Diagnoses ^b			Reported AIDS Diagnoses		
	No.	No.	%	Rate ^c	No.	%	Rate ^c
Allegany	72,238	4	0.2%	5.5	3	0.3%	4.2
Anne Arundel	512,790	107	4.1%	20.9	51	4.9%	9.9
Baltimore City	636,919	932	36.0%	146.3	404	38.9%	63.4
Baltimore	785,618	216	8.4%	27.5	86	8.3%	10.9
Calvert	88,698	9	0.3%	10.1	6	0.6%	6.8
Caroline	33,138	3	0.1%	9.1	3	0.3%	9.1
Carroll	169,353	8	0.3%	4.7	3	0.3%	1.8
Cecil	99,926	6	0.2%	6.0	5	0.5%	5.0
Charles	140,764	32	1.2%	22.7	15	1.4%	10.7
Dorchester	31,998	2	0.1%	6.3	4	0.4%	12.5
Frederick	225,721	38	1.5%	16.8	14	1.3%	6.2
Garrett	29,698	0	0.0%	0.0	0	0.0%	0.0
Harford	240,351	39	1.5%	16.2	12	1.2%	5.0
Howard	274,995	31	1.2%	11.3	12	1.2%	4.4
Kent	20,151	2	0.1%	9.9	0	0.0%	0.0
Montgomery	950,680	369	14.3%	38.8	120	11.6%	12.6
Prince George's	820,852	638	24.7%	77.7	230	22.2%	28.0
Queen Anne's	47,091	3	0.1%	6.4	2	0.2%	4.2
Saint Mary's	101,578	9	0.3%	8.9	5	0.5%	4.9
Somerset	26,119	2	0.1%	7.7	2	0.2%	7.7
Talbot	36,215	6	0.2%	16.6	4	0.4%	11.0
Washington	145,384	42	1.6%	28.9	13	1.3%	8.9
Wicomico	94,046	21	0.8%	22.3	13	1.3%	13.8
Worcester	49,274	7	0.3%	14.2	4	0.4%	8.1
Corrections		60	2.3%		27	2.6%	
MARYLAND TOTAL	5,633,597	2,586	100.0%	45.9	1,038	100.0%	18.4

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 V – HIV and AIDS Cases by Jurisdiction, 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

JURISDICTION OF RESIDENCE	Popu-lation ^a	Living HIV Cases without AIDS ^b			Living HIV Cases with AIDS			Total Living HIV Cases ^b			
	No.	No.	%	Rate ^c	No.	%	Rate ^c	No.	%	Rate ^c	Ratio ^d (1 in X)
Allegany	72,238	36	0.3%	49.8	35	0.2%	48.5	71	0.2%	98.3	1,017
Anne Arundel	512,790	412	3.2%	80.3	572	3.5%	111.5	984	3.4%	191.9	521
Baltimore City	636,919	5,893	46.3%	925.2	7,262	44.5%	1,140.2	13,155	45.3%	2,065.4	48
Baltimore	785,618	925	7.3%	117.7	1,280	7.8%	162.9	2,205	7.6%	280.7	356
Calvert	88,698	34	0.3%	38.3	59	0.4%	66.5	93	0.3%	104.9	953
Caroline	33,138	29	0.2%	87.5	28	0.2%	84.5	57	0.2%	172.0	581
Carroll	169,353	56	0.4%	33.1	60	0.4%	35.4	116	0.4%	68.5	1,459
Cecil	99,926	50	0.4%	50.0	59	0.4%	59.0	109	0.4%	109.1	916
Charles	140,764	144	1.1%	102.3	139	0.9%	98.7	283	1.0%	201.0	497
Dorchester	31,998	32	0.3%	100.0	67	0.4%	209.4	99	0.3%	309.4	323
Frederick	225,721	134	1.1%	59.4	151	0.9%	66.9	285	1.0%	126.3	792
Garrett	29,698	6	0.0%	20.2	4	0.0%	13.5	10	0.0%	33.7	2,969
Harford	240,351	158	1.2%	65.7	213	1.3%	88.6	371	1.3%	154.4	647
Howard	274,995	185	1.5%	67.3	210	1.3%	76.4	395	1.4%	143.6	696
Kent	20,151	17	0.1%	84.4	20	0.1%	99.3	37	0.1%	183.6	544
Montgomery	950,680	1,316	10.3%	138.4	1,692	10.4%	178.0	3,008	10.4%	316.4	316
Prince George's	820,852	2,408	18.9%	293.4	3,055	18.7%	372.2	5,463	18.8%	665.5	150
Queen Anne's	47,091	14	0.1%	29.7	25	0.2%	53.1	39	0.1%	82.8	1,207
Saint Mary's	101,578	47	0.4%	46.3	50	0.3%	49.2	97	0.3%	95.5	1,047
Somerset	26,119	18	0.1%	68.9	29	0.2%	111.0	47	0.2%	179.9	555
Talbot	36,215	27	0.2%	74.6	31	0.2%	85.6	58	0.2%	160.2	624
Washington	145,384	171	1.3%	117.6	121	0.7%	83.2	292	1.0%	200.8	497
Wicomico	94,046	114	0.9%	121.2	115	0.7%	122.3	229	0.8%	243.5	410
Worcester	49,274	35	0.3%	71.0	46	0.3%	93.4	81	0.3%	164.4	608
Corrections		454	3.6%		983	6.0%		1,437	5.0%		
MARYLAND TOTAL	5,633,597	12,715	100.0%	225.7	16,306	100.0%	289.4	29,021	100.0%	515.1	194

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 194 people in Maryland)

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 ^a	Reported HIV Diagnoses ^b			Reported AIDS Diagnoses		
	No.	No.	%	Rate ^c	No.	%	Rate ^c
Male	2,727,323	1,672	64.7%	61.3	663	63.9%	24.3
Female	2,906,274	914	35.3%	31.4	375	36.1%	12.9
GENDER TOTAL	5,633,597	2,586	100.0%	45.9	1,038	100.0%	18.4

RACE/ETHNICITY	Population ^a	Reported HIV Diagnoses ^b			Reported AIDS Diagnoses		
	No.	No.	%	Rate ^c	No.	%	Rate ^c
Non-Hispanic White	3,251,584	359	13.9%	11.0	111	10.7%	3.4
Non-Hispanic Black	1,622,208	2,037	78.8%	125.6	841	81.0%	51.8
Hispanic	375,830	131	5.1%	34.9	55	5.3%	14.6
Other	383,975	59	2.3%	15.4	31	3.0%	8.1
RACE/ETHNICITY TOTAL	5,633,597	2,586	100.0%	45.9	1,038	100.0%	18.4

AGE AT DIAGNOSIS	Population ^a	Reported HIV Diagnoses ^b			Reported AIDS Diagnoses		
	No.	No.	%	Rate ^c	No.	No.	Rate ^c
<5 (Pediatric)	371,787	2	0.1%	0.5	0	0.0%	0.0
5-12 (Pediatric)	576,340	8	0.3%	1.4	0	0.0%	0.0
13-19	558,752	92	3.6%	16.5	16	1.5%	2.9
20-29	756,680	583	22.5%	77.0	134	12.9%	17.7
30-39	744,775	586	22.7%	78.7	241	23.2%	32.4
40-49	888,074	737	28.5%	83.0	378	36.4%	42.6
50-59	773,070	405	15.7%	52.4	201	19.4%	26.0
60+	964,119	173	6.7%	17.9	68	6.6%	7.1
AGE TOTAL	5,633,597	2,586	100.0%	45.9	1,038	100.0%	18.4

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 ^a	Living HIV Cases without AIDS ^b			Living HIV Cases with AIDS			Total Living HIV Cases ^b			
	No.	No.	%	Rate ^c	No.	%	Rate ^c	No.	%	Rate ^c	Ratio ^d (1 in X)
Male	2,727,323	7,829	61.6%	287.1	10,748	65.9%	394.1	18,577	64.0%	681.1	146
Female	2,906,274	4,886	38.4%	168.1	5,558	34.1%	191.2	10,444	36.0%	359.4	278
GENDER TOTAL	5,633,597	12,715	100.0%	225.7	16,306	100.0%	289.4	29,021	100.0%	515.1	194

RACE/ ETHNICITY	Population ^a	Living HIV Cases without AIDS ^b			Living HIV Cases with AIDS			Total Living HIV Cases ^b			
	No.	No.	%	Rate ^c	No.	%	Rate ^c	No.	%	Rate ^c	Ratio ^d (1 in X)
Non-Hispanic White	3,251,584	2,217	17.4%	68.2	2,563	15.7%	78.8	4,780	16.5%	147.0	680
Non-Hispanic Black	1,622,208	9,861	77.6%	607.9	12,924	79.3%	796.7	22,785	78.5%	1,404.6	71
Hispanic	375,830	413	3.2%	109.9	580	3.6%	154.3	993	3.4%	264.2	378
Other	383,975	224	1.8%	58.3	239	1.5%	62.2	463	1.6%	120.6	829
RACE/ ETHNICITY TOTAL	5,633,597	12,715	100.0%	225.7	16,306	100.0%	289.4	29,021	100.0%	515.1	194

AGE ON 12/31/08	Population ^a	Living HIV Cases without AIDS ^b			Living HIV Cases with AIDS			Total Living HIV Cases ^b			
	No.	No.	%	Rate ^c	No.	%	Rate ^c	No.	%	Rate ^c	Ratio ^d (1 in X)
<5 (Pediatric)	371,787	16	0.1%	4.3	1	0.0%	0.3	17	0.1%	4.6	21,869
5-12 (Pediatric)	576,340	59	0.5%	10.2	24	0.1%	4.2	83	0.3%	14.4	6,943
13-19	558,752	250	2.0%	44.7	133	0.8%	23.8	383	1.3%	68.5	1,458
20-29	756,680	1,663	13.1%	219.8	767	4.7%	101.4	2,430	8.4%	321.1	311
30-39	744,775	2,708	21.3%	363.6	2,708	16.6%	363.6	5,416	18.7%	727.2	137
40-49	888,074	4,412	34.7%	496.8	6,588	40.4%	741.8	11,000	37.9%	1,238.6	80
50-59	773,070	2,691	21.2%	348.1	4,682	28.7%	605.6	7,373	25.4%	953.7	104
60+	964,119	916	7.2%	95.0	1,403	8.6%	145.5	2,319	8.0%	240.5	415
AGE TOTAL	5,633,597	12,715	100.0%	225.7	16,306	100.0%	289.4	29,021	100.0%	515.1	194

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 194 people in Maryland)

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 ^a	242,704	148,272	51,557	41,584	484,117
	Cases ^b	***	40	***	***	48
	Rate ^c	***	27.0	***	***	9.9
	Ratio (1 in X) ^d	***	3,706	***	***	10,085
13-19	Population ^a	154,257	92,638	18,963	18,940	284,798
	Cases ^b	***	173	***	***	195
	Rate ^c	***	186.7	***	***	68.5
	Ratio (1 in X) ^d	***	535	***	***	1,460
20-29	Population ^a	202,306	116,177	35,614	26,077	380,174
	Cases ^b	196	1,228	94	23	1,541
	Rate ^c	96.9	1,057.0	263.9	88.2	405.3
	Ratio (1 in X) ^d	1,032	94	378	1,133	246
30-39	Population ^a	188,077	105,354	39,589	30,343	363,363
	Cases ^b	537	2,019	238	61	2,855
	Rate ^c	285.5	1,916.4	601.2	201.0	785.7
	Ratio (1 in X) ^d	350	52	166	497	127
40-49	Population ^a	255,345	118,703	27,357	27,003	428,408
	Cases ^b	1,486	5,163	258	142	7,049
	Rate ^c	582.0	4,349.5	943.1	525.9	1,645.4
	Ratio (1 in X) ^d	171	22	106	190	60
50-59	Population ^a	241,987	91,111	14,311	20,379	367,788
	Cases ^b	989	4,014	125	60	5,188
	Rate ^c	408.7	4,405.6	873.5	294.4	1,410.6
	Ratio (1 in X) ^d	244	22	114	339	70
60+	Population ^a	303,056	83,993	10,171	21,455	418,675
	Cases ^b	404	1,240	35	22	1,701
	Rate ^c	133.3	1,476.3	344.1	102.5	406.3
	Ratio (1 in X) ^d	750	67	290	975	246
TOTAL MALES BY RACE/ ETHNICITY	Population ^a	1,587,732	756,248	197,562	185,781	2,727,323
	Cases ^b	3,635	13,877	755	310	18,577
	Rate ^c	228.9	1,835.0	382.2	166.9	681.1
	Ratio (1 in X) ^d	436	54	261	599	146

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 146 males in Maryland)

*** 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 ^a	230,517	143,506	49,600	40,387	464,010
	Cases ^b	***	50	***	***	52
	Rate ^c	***	34.8	***	***	11.2
	Ratio (1 in X) ^d	***	2,870	***	***	8,923
13-19	Population ^a	146,849	91,823	17,505	17,777	273,954
	Cases ^b	***	168	***	***	188
	Rate ^c	***	183.0	***	***	68.6
	Ratio (1 in X) ^d	***	546	***	***	1,457
20-29	Population ^a	198,304	123,966	27,495	26,741	376,506
	Cases ^b	102	738	32	17	889
	Rate ^c	51.4	595.3	116.4	63.6	236.1
	Ratio (1 in X) ^d	1,944	167	859	1,573	423
30-39	Population ^a	192,700	124,702	30,516	33,494	381,412
	Cases ^b	308	2,124	80	49	2,561
	Rate ^c	159.8	1,703.3	262.2	146.3	671.5
	Ratio (1 in X) ^d	625	58	381	683	148
40-49	Population ^a	262,996	142,329	24,166	30,175	459,666
	Cases ^b	436	3,382	85	48	3,951
	Rate ^c	165.8	2,376.2	351.7	159.1	859.5
	Ratio (1 in X) ^d	603	42	284	628	116
50-59	Population ^a	250,758	115,711	14,610	24,203	405,282
	Cases ^b	218	1,914	24	29	2,185
	Rate ^c	86.9	1,654.1	164.3	119.8	539.1
	Ratio (1 in X) ^d	1,150	60	608	834	185
60+	Population ^a	381,728	123,923	14,376	25,417	545,444
	Cases ^b	66	532	13	7	618
	Rate ^c	17.3	429.3	90.4	27.5	113.3
	Ratio (1 in X) ^d	5,783	232	1,105	3,631	882
TOTAL FEMALES BY RACE/ETHNICITY	Population ^a	1,663,852	865,960	178,268	198,194	2,906,274
	Cases ^b	1,145	8,908	238	153	10,444
	Rate ^c	68.8	1028.7	133.5	77.2	359.4
	Ratio (1 in X) ^d	1,453	97	749	1,295	278

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 278 females in Maryland)

*** 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 ^a		Reported AIDS Diagnoses	
	No.	%	No.	%
Men who have Sex with Men (MSM)	486	38.2%	165	24.9%
Injection Drug Users (IDU)	278	21.8%	229	34.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	23	1.8%	15	2.3%
Heterosexual Exposure (HET)	480	37.7%	249	37.6%
Other Exposures	6	0.5%	5	0.8%
No Reported Exposure ^b	1,313		375	
TOTAL	2,586	100.0%	1,038	100.0%

ADULT/ADOLESCENT (AGE 13+ AT DIAGNOSIS) MALES EXPOSURE CATEGORY	Reported HIV Diagnoses ^a		Reported AIDS Diagnoses	
	No.	%	No.	%
Men who have Sex with Men (MSM)	486	54.1%	165	37.7%
Injection Drug Users (IDU)	192	21.4%	152	34.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	23	2.6%	15	3.4%
Heterosexual Exposure (HET)	198	22.0%	103	23.5%
Other Exposures	0	0.0%	3	0.7%
No Reported Exposure ^b	770		225	
TOTAL ADULT/ADOLESCENT MALES	1,669	100.0%	663	100.0%

ADULT/ADOLESCENT (AGE 13+ AT DIAGNOSIS) FEMALES EXPOSURE CATEGORY	Reported HIV Diagnoses ^a		Reported AIDS Diagnoses	
	No.	%	No.	%
Injection Drug Users (IDU)	86	23.4%	77	34.2%
Heterosexual Exposure (HET)	282	76.6%	146	64.9%
Other Exposures	0	0.0%	2	0.9%
No Reported Exposure ^b	539		150	
TOTAL ADULT/ADOLESCENT FEMALES	907	100.0%	375	100.0%

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

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 ^a		Living HIV Cases with AIDS		Total Living HIV Cases	
	No.	%	No.	%	No.	%
Men who have Sex with Men (MSM)	2,544	30.4%	3,524	25.1%	6,068	27.1%
Injection Drug Users (IDU)	2,693	32.2%	5,488	39.0%	8,181	36.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	234	2.8%	544	3.9%	778	3.5%
Heterosexual Exposure (HET)	2,730	32.6%	4,252	30.3%	6,982	31.1%
Other Exposures	163	1.9%	248	1.8%	411	1.8%
No Reported Exposure ^b	4,351		2,250		6,601	
TOTAL	12,715	100.0%	16,306	100.0%	29,021	100.0%

ADULT/ADOLESCENT (AGE 13+ ON 12/31/08) MALES EXPOSURE CATEGORY	Living HIV Cases without AIDS ^a		Living HIV Cases with AIDS		Total Living HIV Cases	
	No.	%	No.	%	No.	%
Men who have Sex with Men (MSM)	2,544	47.0%	3,524	37.5%	6,068	40.9%
Injection Drug Users (IDU)	1,703	31.5%	3,598	38.3%	5,301	35.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	234	4.3%	544	5.8%	778	5.3%
Heterosexual Exposure (HET)	880	16.3%	1,617	17.2%	2,497	16.8%
Other Exposures	52	1.0%	123	1.3%	175	1.2%
No Reported Exposure ^b	2,381		1,329		3,710	
TOTAL ADULT/ADOLESCENT MALES	7,794	100.0%	10,735	100.0%	18,529	100.0%

ADULT/ADOLESCENT (AGE 13+ ON 12/31/08) FEMALES EXPOSURE CATEGORY	Living HIV Cases without AIDS ^a		Living HIV Cases with AIDS		Total Living HIV Cases	
	No.	%	No.	%	No.	%
Injection Drug Users (IDU)	990	34.1%	1,890	40.9%	2,880	38.2%
Heterosexual Exposure (HET)	1,850	63.7%	2,635	57.0%	4,485	59.6%
Other Exposures	65	2.2%	101	2.2%	166	2.2%
No Reported Exposure ^b	1,941		920		2,861	
TOTAL ADULT/ADOLESCENT FEMALES	4,846	100.0%	5,546	100.0%	10,392	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