

# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE

## Second Quarter 2008 - Data reported through June 30, 2008

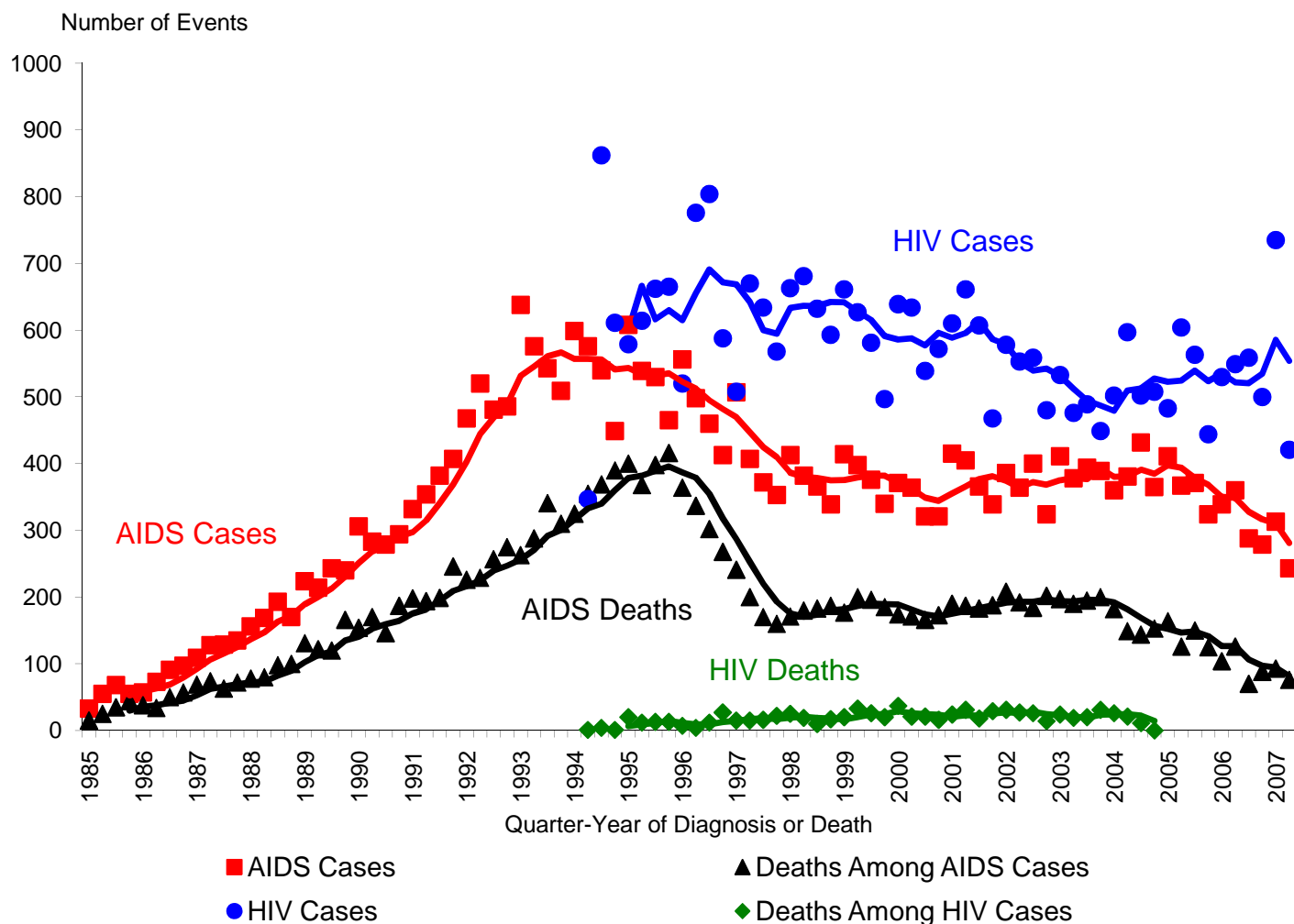
AIDS Administration  
 Maryland Department of Health and Mental Hygiene  
[www.dhmd.state.md.us/AIDS/](http://www.dhmd.state.md.us/AIDS/)  
 1-800-358-9001

### SPECIAL NOTE ON HIV REPORTING

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. The reporting period presented in this report includes the first full year of the new reporting, however, most of the tables and figures are as of the end of code-reporting and are unaffected by this change. Section X has been modified to include the changes and future reports will have additional modifications. For additional information on HIV reporting please visit the AIDS Administration web site at the above address.

### Section I - HIV and AIDS Case Trends

#### Incident (Newly Diagnosed) HIV and AIDS Cases and Deaths among HIV and AIDS Cases by Quarter-Year through Second Quarter 2007 as Reported through 6/30/08

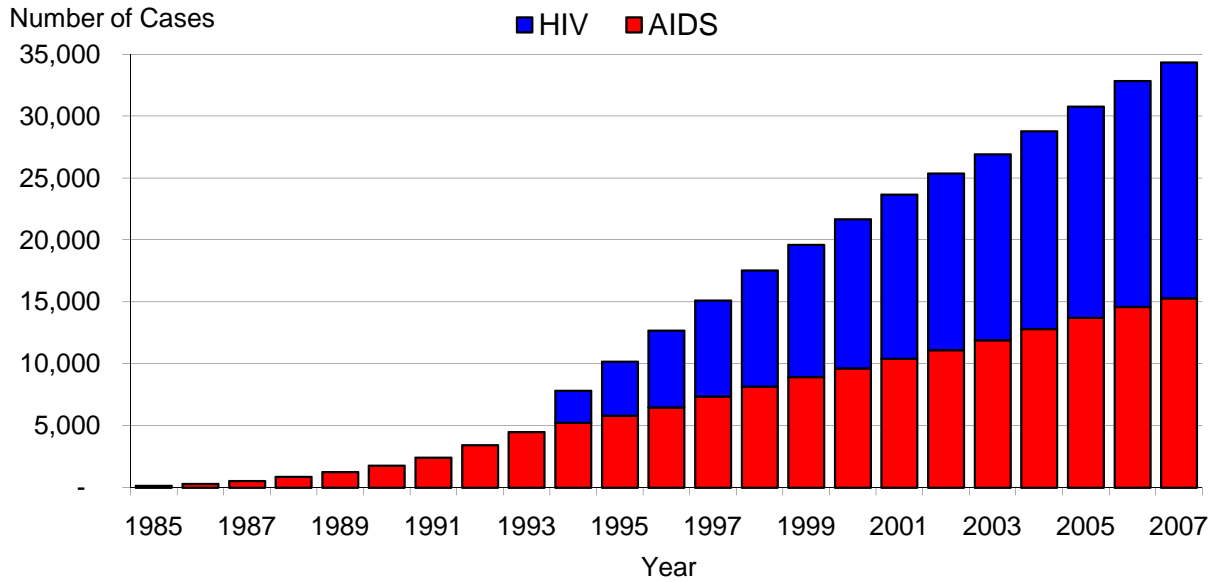


HIV case reporting began in June of 1994.  
 Trend lines are weighted moving averages (over 4 quarters).

# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE - June 30, 2008

## Section II - HIV and AIDS Case Prevalence Trends

Prevalent (Living) HIV and AIDS Cases on December 31st of Each Year as Reported through 6/30/08



<b>YEAR</b>	<b>HIV</b>	<b>AIDS</b>	<b>Total HIV/AIDS</b>
1985		160	160
1986		301	301
1987		526	526
1988		866	866
1989		1,254	1,254
1990		1,776	1,776
1991		2,431	2,431
1992		3,418	3,418
1993		4,496	4,496
1994	2,594	5,237	7,831
1995	4,348	5,814	10,162
1996	6,194	6,480	12,674
1997	7,735	7,364	15,099
1998	9,380	8,150	17,530
1999	10,676	8,924	19,600
2000	12,039	9,626	21,665
2001	13,238	10,413	23,651
2002	14,262	11,103	25,365
2003	15,026	11,895	26,921
2004	15,974	12,807	28,781
2005	17,049	13,716	30,765
2006	18,246	14,594	32,840
2007	19,042	15,297	34,339

Prevalent cases were alive on December 31st of the given year.  
June 30th for HIV in 2007

# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE - June 30, 2008

## Section III - HIV and AIDS Case Geography

Incidence (Newly Diagnosed Cases) during 7/1/06-6/30/07 and Prevalence (Living Cases) on 6/30/07 as Reported through 6/30/08

<u>JURISDICTION</u>	<u>Incidence</u>				<u>Prevalence</u>					
	<u>HIV</u>		<u>AIDS</u>		<u>HIV</u>		<u>AIDS</u>		<u>Total HIV/AIDS</u>	
	No.	%	No.	%	No.	%	No.	%	No.	%
Allegany	4	0.2%	4	0.4%	34	0.2%	35	0.2%	69	0.2%
Anne Arundel	71	3.2%	39	3.5%	501	2.6%	501	3.3%	1002	2.9%
Baltimore City	979	44.2%	475	42.3%	9447	49.6%	6989	46.6%	16436	48.3%
Baltimore	218	9.8%	101	9.0%	1407	7.4%	1114	7.4%	2521	7.4%
Calvert	5	0.2%	7	0.6%	42	0.2%	53	0.4%	95	0.3%
Caroline	5	0.2%	3	0.3%	32	0.2%	24	0.2%	56	0.2%
Carroll	12	0.3%	2	0.2%	98	0.5%	56	0.4%	154	0.5%
Cecil	1	0.4%	4	0.4%	38	0.2%	60	0.4%	98	0.3%
Charles	18	0.4%	20	1.8%	133	0.7%	125	0.8%	258	0.8%
Dorchester	5	0.2%	3	0.3%	60	0.3%	60	0.4%	120	0.4%
Frederick	13	0.6%	4	0.4%	159	0.8%	110	0.7%	269	0.8%
Garrett	0	0.0%	0	0.0%	5	0.0%	4	0.0%	9	0.0%
Harford	50	2.3%	22	1.2%	217	1.1%	191	1.3%	408	1.2%
Howard	31	1.4%	13	1.2%	191	1.0%	172	1.1%	363	1.1%
Kent	0	0.0%	1	0.1%	19	0.1%	17	0.1%	36	0.1%
Montgomery	260	11.7%	135	12.0%	1521	8.0%	1466	9.8%	2987	8.8%
Prince George's	399	18.0%	257	22.9%	2760	14.5%	2732	18.2%	5492	16.1%
Queen Anne's	0	0.0%	0	0.0%	14	0.1%	23	0.2%	37	0.1%
Saint Mary's	1	0.0%	5	0.4%	35	0.2%	48	0.3%	83	0.2%
Somerset	9	0.4%	2	0.2%	54	0.3%	27	0.2%	81	0.2%
Talbot	3	0.1%	1	0.1%	29	0.2%	27	0.2%	56	0.2%
Washington	41	1.9%	8	0.7%	224	1.2%	112	0.7%	336	0.8%
Wicomico	29	1.3%	4	0.4%	203	1.1%	92	0.6%	295	0.9%
Worcester	9	0.4%	4	0.4%	50	0.3%	39	0.3%	89	0.3%
Corrections	52	2.3%	10	0.9%	1769	9.3%	905	6.0%	2674	7.9%
<i>STATE TOTAL</i>	2215	100.0%	1124	100.0%	19042	100.0%	14982	100.0%	34024	100.0%
<i>STATE RATE*</i>	41.8		21.2		359.5		282.9		642.4	

HIV case reporting began in 1994.

For code-based HIV cases reported 7/1/06 through 6/30/07, the median time from diagnosis to report was less than one month. For AIDS cases reported 7/1/07 through 6/30/08, the median time from diagnosis to report was three months.

\*Rate is number of cases per 100,000 population. Population was based on 2000 Census.

# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE - June 30, 2008

## Section IV - HIV and AIDS Case Demographics

Incidence (Newly Diagnosed Cases) during 7/1/06-6/30/07 and Prevalence (Living Cases) on 6/30/07 as Reported through 6/30/08

<u>GENDER</u>	<b>Incidence</b>				<b>Prevalence</b>					
	<u>HIV</u>		<u>AIDS</u>		<u>HIV</u>		<u>AIDS</u>		<u>Total HIV/AIDS</u>	
	No.	%	No.	%	No.	%	No.	%	No.	%
Male	1379	62.3%	692	61.6%	11873	62.5%	9937	66.3%	21810	64.2%
Female	833	37.7%	432	38.4%	7109	37.5%	5045	33.7%	12154	35.8%
Missing*	3				60				60	
<b>TOTAL</b>	<b>2215</b>	<b>100.0%</b>	<b>1124</b>	<b>100.0%</b>	<b>19042</b>	<b>100.0%</b>	<b>14982</b>	<b>100.0%</b>	<b>34024</b>	<b>100.0%</b>

<u>RACE/ETHNICITY</u>	<b>Incidence</b>				<b>Prevalence</b>					
	<u>HIV</u>		<u>AIDS</u>		<u>HIV</u>		<u>AIDS</u>		<u>Total HIV/AIDS</u>	
	No.	%	No.	%	No.	%	No.	%	No.	%
White	273	17.0%	139	12.4%	2173	14.0%	2354	15.7%	4527	14.9%
African-American	1205	75.2%	923	82.1%	12604	81.4%	12086	80.7%	24690	81.1%
Hispanic	42	2.6%	51	4.5%	278	1.8%	464	3.1%	742	2.4%
Other	82	5.1%	11	1.0%	424	2.7%	78	0.5%	502	1.6%
Missing*	613				3563				3563	
<b>TOTAL</b>	<b>2215</b>	<b>100.0%</b>	<b>1124</b>	<b>100.0%</b>	<b>19042</b>	<b>100.0%</b>	<b>14982</b>	<b>100.0%</b>	<b>34024</b>	<b>100.0%</b>

<u>AGE**</u>	<b>Incidence</b>				<b>Prevalence</b>					
	<u>HIV</u>		<u>AIDS</u>		<u>HIV</u>		<u>AIDS</u>		<u>Total HIV/AIDS</u>	
	No.	%	No.	%	No.	%	No.	%	No.	%
<5 (Pediatric)	11	0.5%	0	0.0%	37	0.2%	3	0.0%	40	0.1%
5-12 (Pediatric)	5	0.2%	0	0.0%	112	0.6%	29	0.2%	141	0.6%
13-19	66	3.0%	23	2.0%	159	0.8%	132	0.9%	291	0.9%
20-29	464	20.9%	140	12.5%	1815	9.5%	692	4.6%	2507	7.4%
30-39	519	23.4%	296	30.3%	4126	21.7%	2667	23.0%	6793	20.0%
40-49	702	31.7%	411	36.6%	7325	38.5%	6348	42.4%	13673	40.2%
50-59	360	16.3%	200	17.8%	4273	22.4%	4019	26.8%	8292	24.4%
60+	88	4.0%	54	4.8%	1195	6.3%	1092	7.3%	2287	6.7%
<b>TOTAL</b>	<b>2215</b>	<b>100.0%</b>	<b>1124</b>	<b>100.0%</b>	<b>19042</b>	<b>100.0%</b>	<b>14982</b>	<b>100.0%</b>	<b>34024</b>	<b>100.0%</b>

HIV case reporting began in 1994.

\*Cases with missing race or gender were excluded from percent distributions.

\*\*For incident cases, age was at time of diagnosis. For prevalent cases, age was as of 6/30/07.

# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE - June 30, 2008

## Section V - HIV/AIDS Case Expanded Demographics

### Total HIV/AIDS Prevalence (Living Cases) on 6/30/07 as Reported through 6/30/08

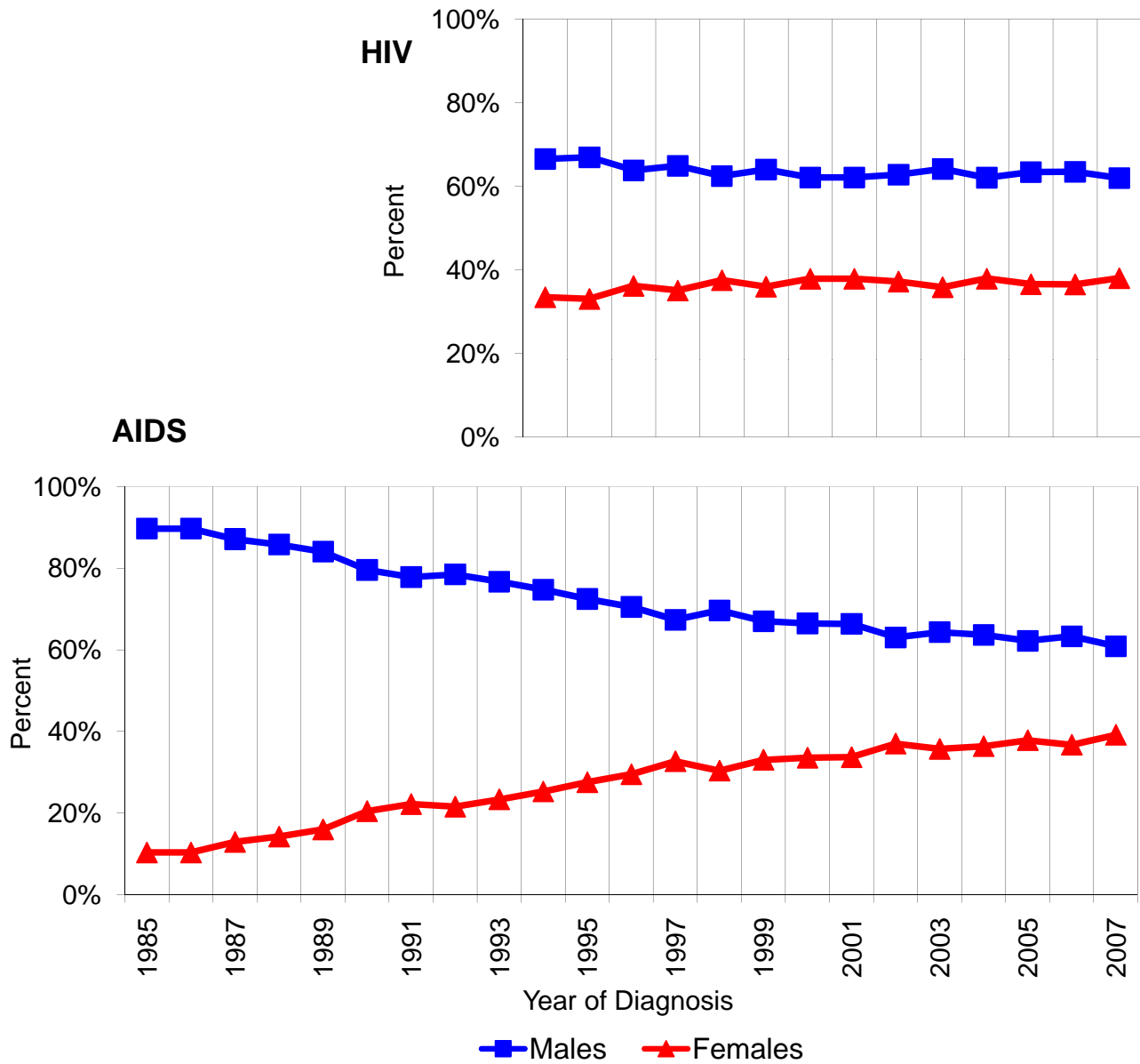
GENDER/AGE	RACE/ETHNICITY				Total	
	<u>White</u>	<u>African-American</u>	<u>Other</u>	<u>Missing Race/Ethnicity</u>	No.	%
	No.	No.	No.	No.	No.	%
<u>Male</u>						
<5 (Pediatric)	1	10	0	12	23	0.1%
5-12 (Pediatric)	10	60	4	16	90	0.4%
13-19	4	112	4	17	137	0.6%
20-29	157	1062	67	178	1464	6.7%
30-39	563	2318	239	407	3527	21.6%
40-49	1438	6494	297	723	8952	41.0%
50-59	841	4472	170	455	5938	27.2%
60+	282	1146	45	206	1679	7.7%
<b>SUBTOTAL</b>	<b>3296</b>	<b>15674</b>	<b>826</b>	<b>2014</b>	<b>21810</b>	<b>100.0%</b>
<u>Female</u>						
<5 (Pediatric)	3	5	0	8	16	0.1%
5-12 (Pediatric)	1	41	1	8	51	0.4%
13-19	12	121	0	21	154	1.4%
20-29	126	664	57	192	1039	8.5%
30-39	386	2210	169	494	3259	26.8%
40-49	458	3656	118	461	4693	38.6%
50-59	181	1863	60	236	2340	19.3%
60+	56	445	11	90	602	5.0%
<b>SUBTOTAL</b>	<b>1223</b>	<b>9005</b>	<b>416</b>	<b>1510</b>	<b>12154</b>	<b>100.0%</b>
<u>Missing Gender</u>	8	11	2	39	60	
<b>TOTAL</b>	<b>4527</b>	<b>24690</b>	<b>1244</b>	<b>3563</b>	<b>34024</b>	

HIV case reporting began in 1994.  
Age was as of 6/30/07.

# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE - June 30, 2008

## Section VI - HIV and AIDS Case Gender Trends

Proportions by Gender of Incident (Newly Diagnosed) Cases during each Calendar Year as Reported through 6/30/08

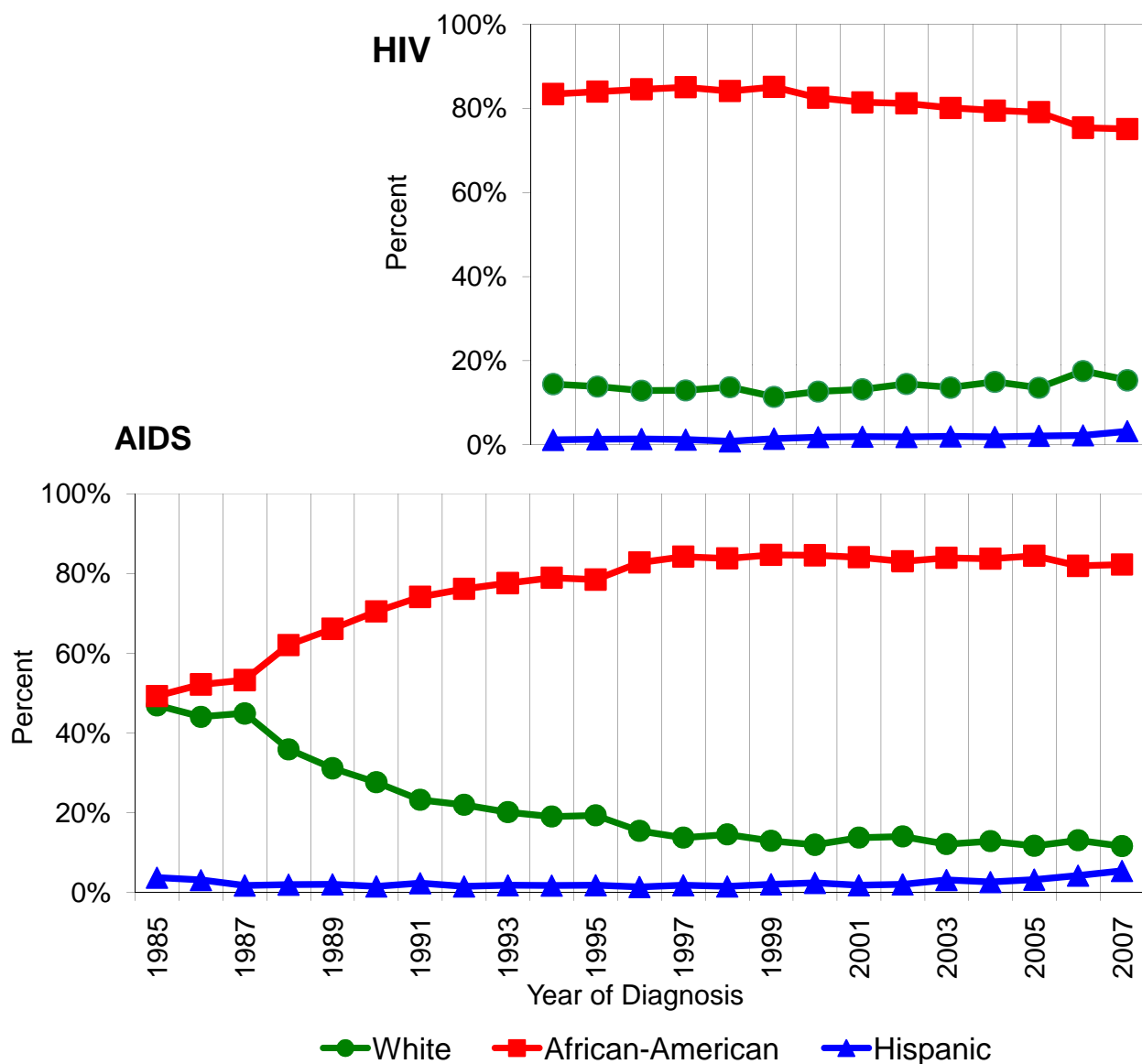


HIV case reporting began in 1994.

# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE - June 30, 2008

## Section VII - HIV and AIDS Case Race/Ethnicity Trends

Proportions by Race/Ethnicity of Incident (Newly Diagnosed) Cases during each Calendar Year as Reported through 6/30/08

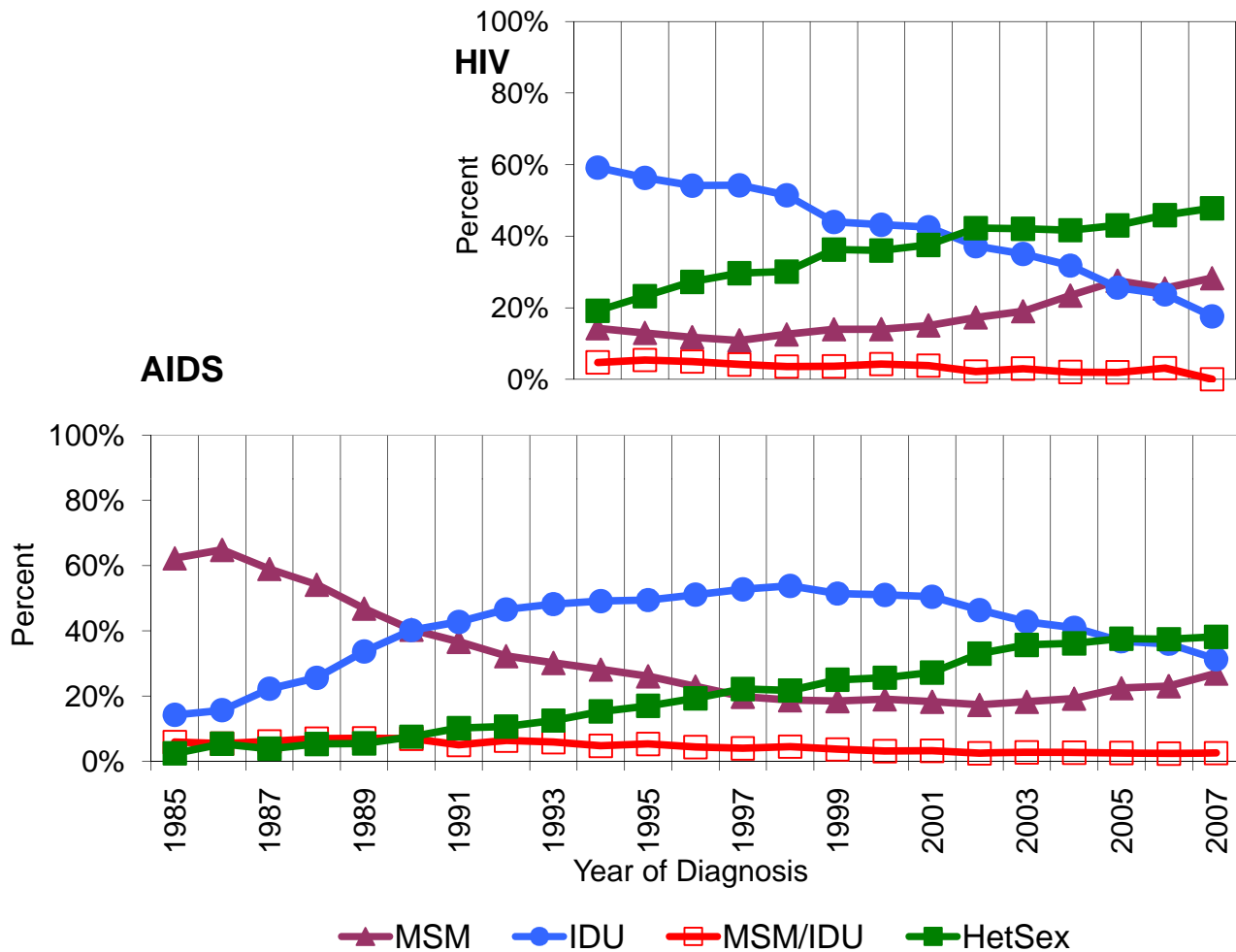


HIV case reporting began in 1994.

# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE - June 30, 2008

## Section VIII - HIV and AIDS Case Exposure Category Trends

Proportions by Exposure Category of Incident (Newly Diagnosed) Cases during each Calendar Year as Reported through 6/30/08



Other exposure categories (not shown) that account for small percentages of cases include hemophiliacs, transfusion recipients, pediatric transmissions and occupational exposures. Percent distributions exclude cases with exposure category under investigation and risk not specified.

Maryland data had exposure on 54% of HIV cases and 92% of AIDS cases. HIV case reporting began in 1994.

MSM = Men who had sex with men

IDU = Injection drug users

MSM/IDU = Men who had sex with men and were injection drug users

HetSex = Heterosexual contact

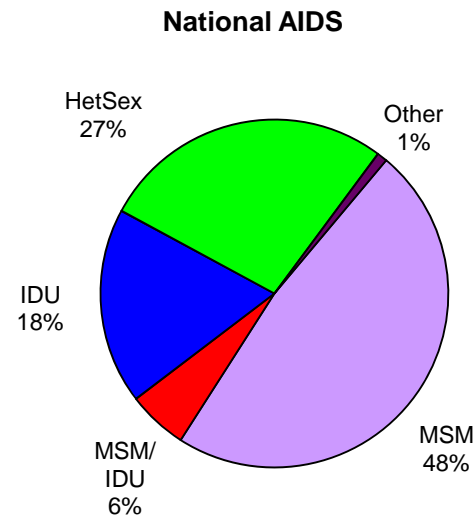
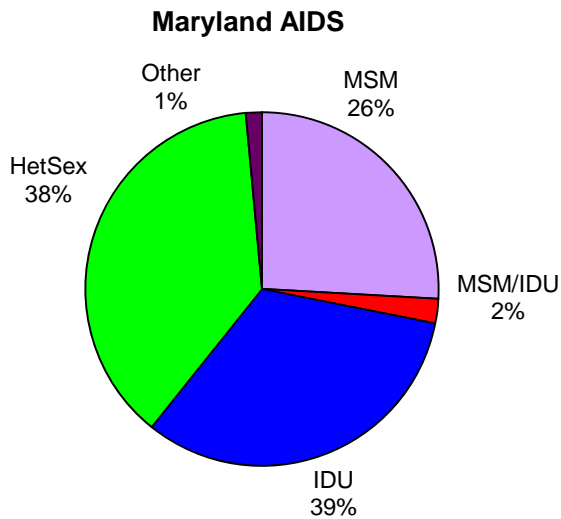
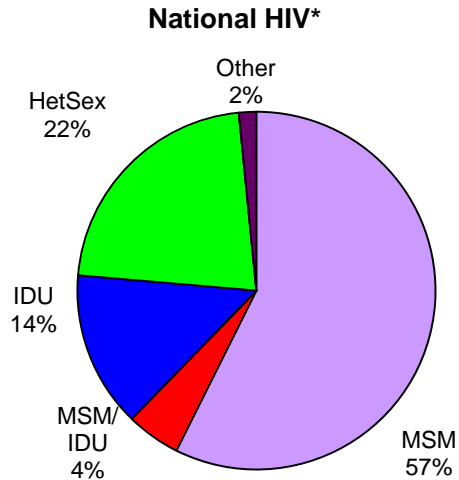
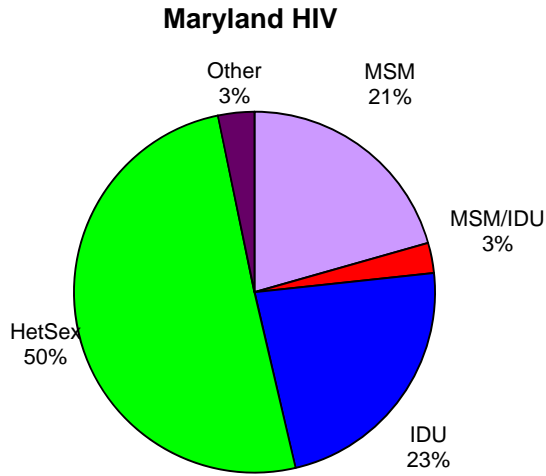


# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE - June 30, 2008

## Section IX - Comparisons to National Statistics

### HIV and AIDS Cases Reported during 1/1/06-12/31/06

Maryland had the third highest annual AIDS case report rate of any state in 2006 (29.0 cases per 100,000 population) and Baltimore-Towson had the second highest rate of any metropolitan area in 2006 (37.7 cases per 100,000 population). The national rate in 2006 was 12.9 cases per 100,000 population.



\* National HIV data included only persons with HIV infection that had not progressed to AIDS. National data was only available from the 45 states and 5 territories with confidential name-based HIV infection reporting as of 12/31/06. Maryland HIV and AIDS data were reported as mutually exclusive categories for comparison to national statistics.

Percent distributions excluded cases with occupational exposure, exposure category under investigation, and risk not specified.

Source for national data: Centers for Disease Control and Prevention. HIV/AIDS Surveillance Report 2006;18:29-38.

MSM = Men who had sex with men

IDU = Injection drug users

MSM/IDU = Men who had sex with men and were injection drug users

HetSex = Heterosexual contact

Other = Hemophiliacs, transfusion recipients, and pediatric transmissions

# MARYLAND HIV/AIDS EPIDEMIOLOGICAL PROFILE - June 30, 2008

## Section X - HIV and AIDS Case Reports by Jurisdiction

Events Reported during the Last Year (7/1/07-6/30/08) and Cumulatively through 6/30/08

JURISDICTION	by Code		HIV Cases			AIDS Cases			AIDS Deaths		
	Non-AIDS		by Name								
	Cumulative		Year	Non-AIDS		Year	Cumulative		Year	Cumulative	
	No.	%	No.	No.	%	No.	No.	%	No.	No.	%
Allegany	39	0.2%	19	29	0.3%	12	71	0.2%	1	33	0.2%
Anne Arundel	505	2.6%	172	278	3.0%	55	1034	3.2%	9	509	3.0%
Baltimore City	9746	49.9%	3000	5380	57.1%	530	16641	51.7%	153	9489	56.7%
Baltimore	1433	7.3%	360	644	6.8%	120	2261	7.0%	15	1106	6.6%
Calvert	45	0.2%	28	30	0.3%	11	98	0.3%	1	44	0.3%
Caroline	32	0.2%	21	31	0.3%	6	60	0.2%	0	34	0.2%
Carroll	99	0.5%	46	59	0.6%	7	105	0.3%	1	47	0.3%
Cecil	39	0.2%	33	37	0.4%	4	112	0.3%	0	52	0.3%
Charles	135	0.7%	74	81	0.9%	17	225	0.7%	3	94	0.6%
Dorchester	64	0.3%	12	35	0.4%	7	129	0.4%	2	66	0.4%
Frederick	164	0.8%	19	29	0.3%	8	207	0.6%	1	93	0.6%
Garrett	5	0.0%	1	1	0.0%	1	8	0.0%	0	4	0.0%
Harford	219	1.1%	54	95	1.0%	24	384	1.2%	1	183	1.1%
Howard	194	1.0%	59	89	0.9%	16	346	1.1%	2	165	1.0%
Kent	17	0.1%	13	16	0.2%	3	34	0.1%	0	14	0.1%
Montgomery	1536	7.9%	281	388	4.1%	146	2721	8.4%	9	1188	7.1%
Prince George's	2790	14.3%	750	1348	14.3%	270	5309	16.5%	17	2424	14.5%
Queen Anne's	16	0.1%	4	10	0.1%	2	55	0.2%	0	30	0.2%
Saint Mary's	36	0.2%	25	32	0.3%	12	92	0.3%	1	39	0.2%
Somerset	55	0.3%	13	18	0.2%	1	60	0.2%	0	33	0.2%
Talbot	29	0.1%	14	32	0.3%	2	83	0.3%	1	55	0.3%
Washington	235	1.2%	97	114	1.2%	20	209	0.6%	0	90	0.5%
Wicomico	209	1.1%	46	58	0.6%	5	249	0.8%	1	155	0.9%
Worcester	52	0.3%	11	16	0.2%	1	94	0.3%	0	54	0.3%
Corrections	1844	9.4%	325	565	6.0%	22	1627	5.1%	11	726	4.3%
<b>TOTAL</b>	<b>19538</b>	<b>100.0%</b>	<b>5477</b>	<b>9415</b>	<b>100.0%</b>	<b>1302</b>	<b>32214</b>	<b>100.0%</b>	<b>229</b>	<b>16727</b>	<b>100.0%</b>

Laboratory reporting of HIV cases by code existed from June 1, 1994 to April 24, 2007.  
 Provider and laboratory reporting of HIV cases by name has existed since April 24, 2007.

Maryland is re-reporting code HIV cases by name, therefore, the same person may appear as a code HIV case and as a name HIV case.

Year data were for events reported during the prior year, including events that occurred earlier.  
 HIV cases reported during the prior year may also have been reported as AIDS cases during that time.  
 Non-AIDS cumulative HIV cases included all HIV cases reported through the end of the period, that had not been reported as AIDS cases by the end of the period.  
 AIDS deaths included all causes of death.

The median time from diagnosis to report was one month for cumulative non-AIDS HIV code cases, 21 months for cumulative non-AIDS HIV name cases, and four months for cumulative AIDS cases.