

BALTIMORE CITY

HEALTH

STATUS

REPORT

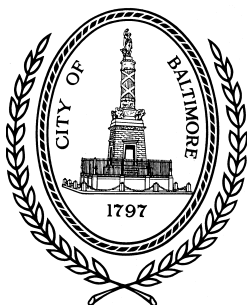
2004

SHEILA DIXON

MAYOR

JOSHUA M. SHARFSTEIN, M.D.

COMMISSIONER OF HEALTH



Baltimore City Health Status Report 2004

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BALTIMORE CITY HEALTH DEPARTMENT

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Acknowledgements

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Baltimore City Health Status Report 2004

VISION

A healthy Baltimore.

MISSION

The mission of the Baltimore City Health Department is to advocate, lead, and provide services of the highest quality in order to promote and protect the health of the residents of Baltimore.

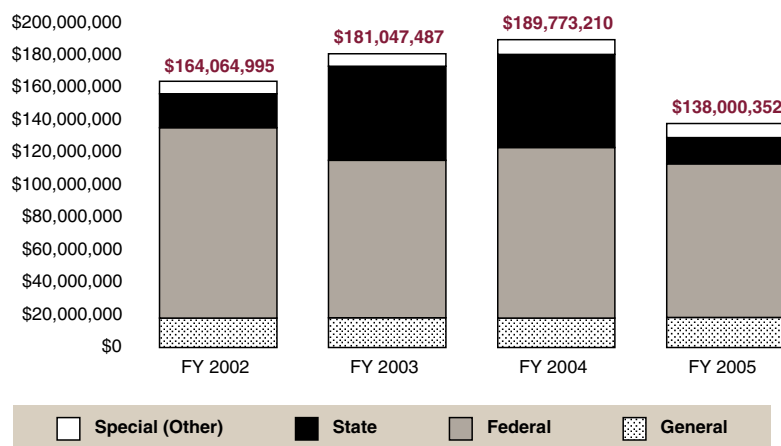
PRIORITIES

- ✓ Reduce Infant and Child Morbidity and Mortality
- ✓ Reduce Disparities in Health
- ✓ Enhance Emergency Preparedness
- ✓ Promote Access to Primary Health Care
- ✓ Slow the Spread of Communicable Diseases
- ✓ Expand Drug Treatment Services
- ✓ Promote Healthier Homes

STAFF

The Baltimore City Health Department employs 550 full-time employees. Part-time and temporary staff levels fluctuate to meet the Department's requirements.

BUDGET



Revenue Source	FY 2002 Budget	FY 2002 Percentage	FY 2003 Budget	FY 2003 Percentage	FY 2004 Budget	FY 2004 Percentage	FY 2005 Budget	FY 2005 Percentage
General	\$18,160,214	11.1%	\$18,358,013	10.1%	\$18,243,088	9.6%	\$18,694,000	13.5%
Federal	\$117,270,151	71.5%	\$97,077,799	53.6%	\$105,042,519	55.4%	\$94,634,558	68.6%
State	\$20,974,394	12.8%	\$57,941,213	32.0%	\$57,447,272	30.3%	\$16,121,688	11.7%
Special (Other)	\$7,660,236	4.7%	\$7,670,462	4.2%	\$9,040,331	4.8%	\$8,550,106	6.2%
Total Budget	\$164,064,995	100.0%	\$181,047,48	100.0%	\$189,773,210	100.0%	\$138,000,35	100.0%

Major Health Indicators in 2004

	Baltimore City	Maryland
Population	641,943	Percent of State Total: 11.5%
Deaths	7,322	Percent of State Total: 17.0%
Years of Potential Life Lost	96,583	Percent of State Total: 23.1%
Mortality	Age-Adjusted Death Rates*, 2002-2004	
Cause	Baltimore City	Maryland
All Causes	1,197.1	839.6
Cardiovascular Disease	300.1	227.7
Malignant Neoplasms	251.4	194.4
Cerebrovascular Disease	63.5	53.8
Diabetes Mellitus	40.4	27.9
HIV/AIDS	58.8	10.4
Homicide	37.5	10
Other Indicators	Baltimore City Rate	Maryland Rate
Infant Mortality	12.7/1,000 live births	8.5/1,000 live births
Teen Births	68.2/1,000 teen females **	32.3/1,000 teen females **

Data Sources: *Maryland Vital Statistics Annual Report 2004*, Maryland Department of Health and Mental Hygiene, Vital Statistics Administration, all data except POPULATION (US Census), HIV/AIDS and HOMICIDE (*Baltimore City Vital Statistics Profile 2004*, Maryland DHMH, Vital Statistics Administration), and YEARS OF POTENTIAL LIFE LOST (Maryland Department of Health and Mental Hygiene). PERCENT OF STATE TOTALS were calculated by Baltimore City Health Department using Maryland totals from the original data sources.

Notes:

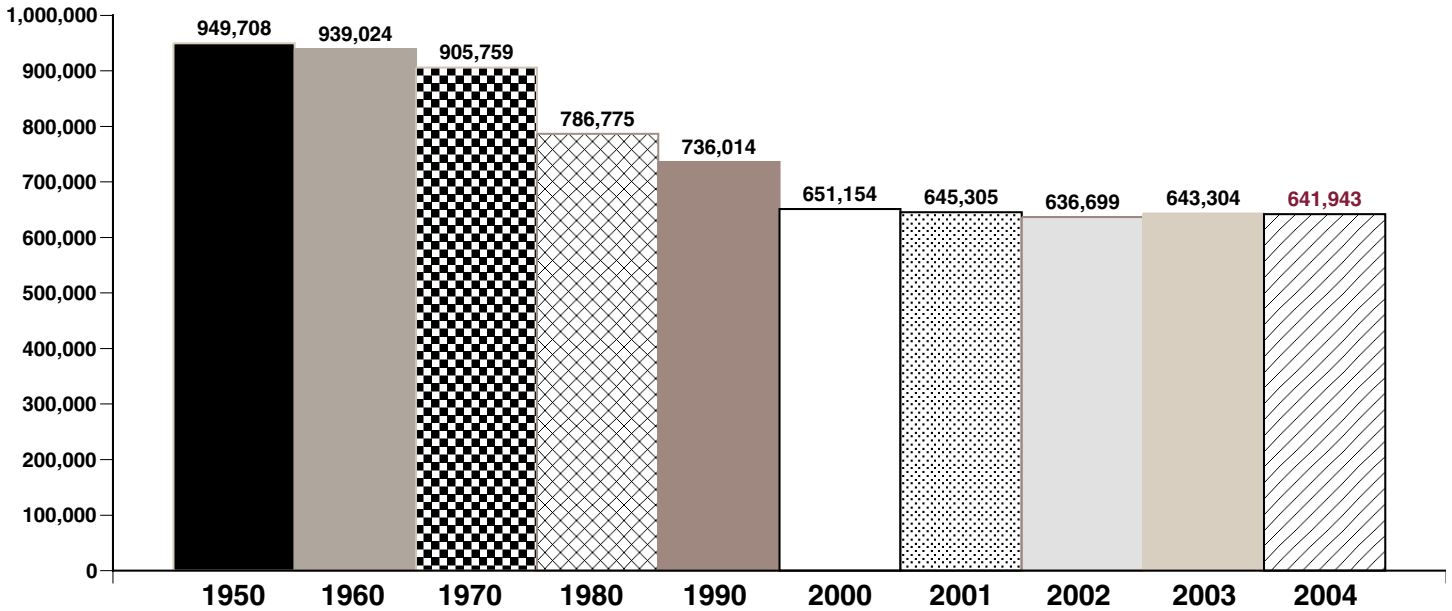
YEARS OF POTENTIAL LIFE LOST was computed using age 75 as an endpoint and grouping deaths in 5-to-10 year age groups.

*per 100,000 population

**between the ages of 15 and 19 years old

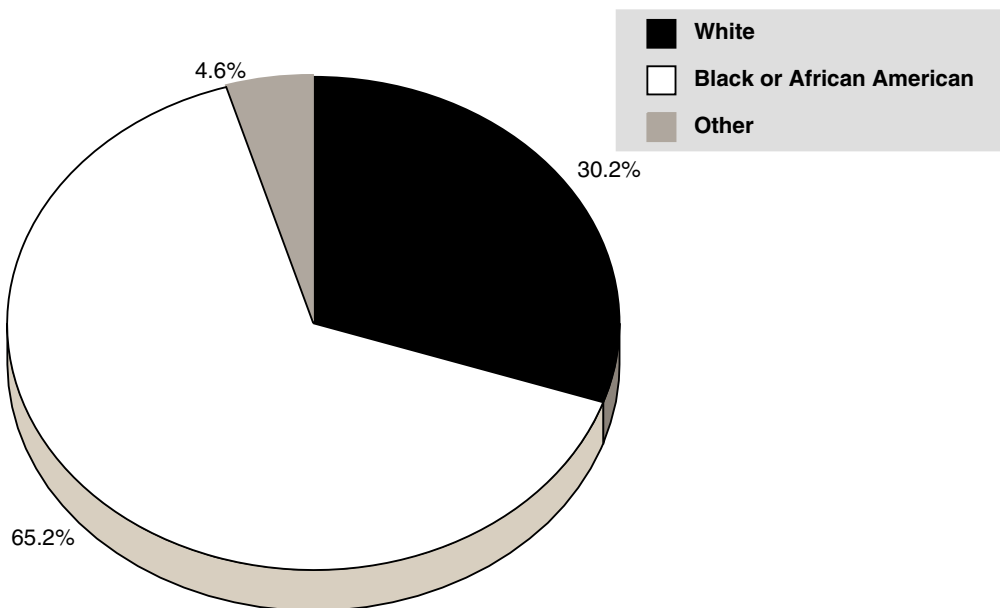
Population Trend

Baltimore City Population, 1950-2004



Data Source: US Census

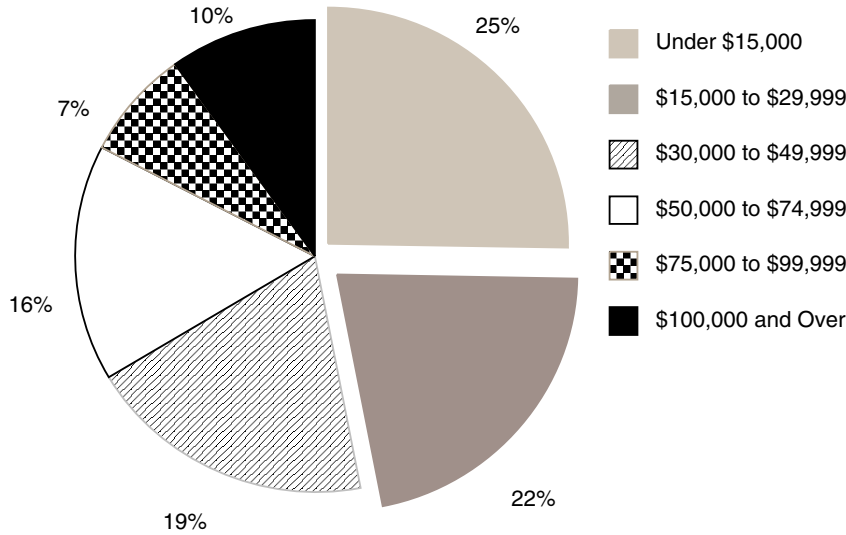
Population Race Percentages, 2004



Data Source: US Census, 2005 American Community Survey, which describes the previous year's data (2004). This survey identifies all of its data as **estimates**.

Income in 2004

Household Income, Baltimore City



OTHER INCOME ESTIMATES

Baltimore City Median Household Income: \$32,456

Baltimore City Per Capita Income: \$20,749

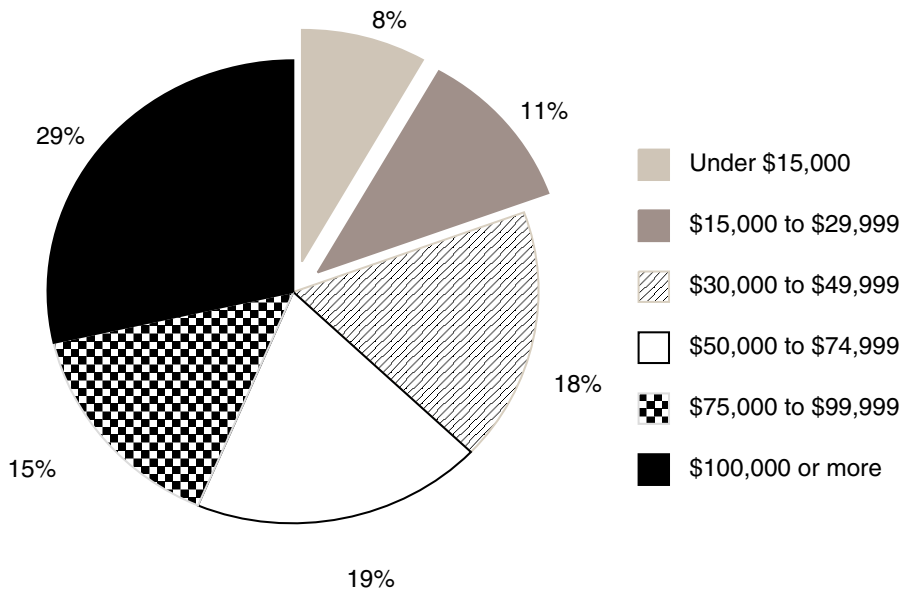
Baltimore City Median Personal Income: \$20,519

Baltimore City Poverty Rate in 2004: 22.5%

Remainder of Maryland Poverty Rate in 2004: 6.4%

Data Source: US Census, 2005 American Community Survey, which describes the previous year's data (2004). This survey identifies all of its data as estimates.

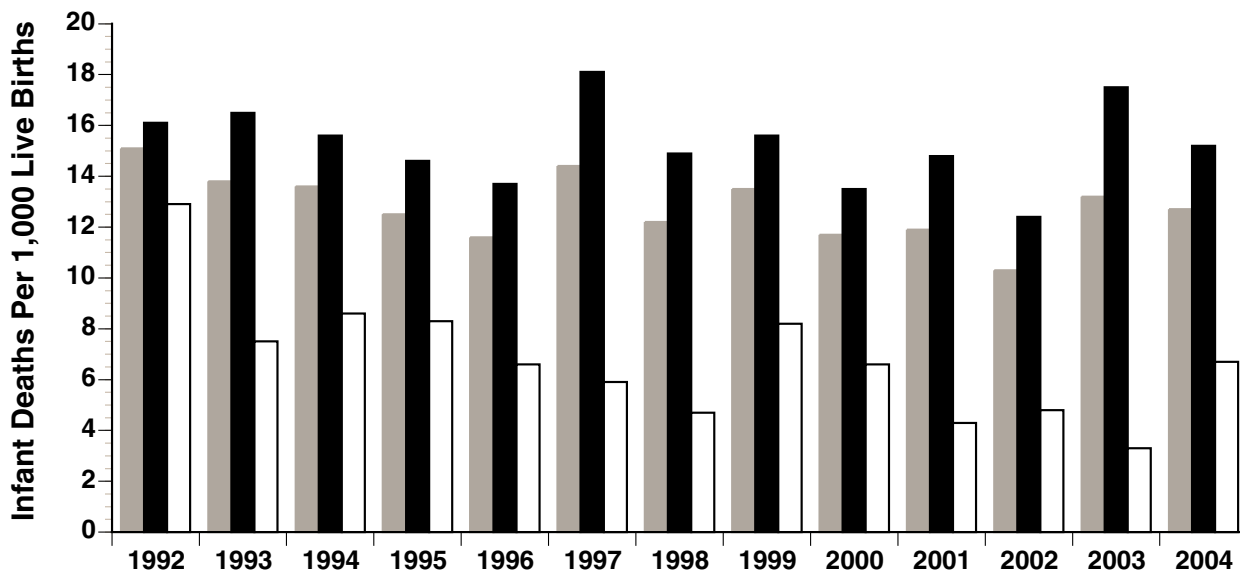
Household Income, Remainder of Maryland



Data Source: US Census, 2005 American Community Survey, which describes the previous year's data (2004). This survey identifies all of its data as estimates.

Maternal and Infant Health

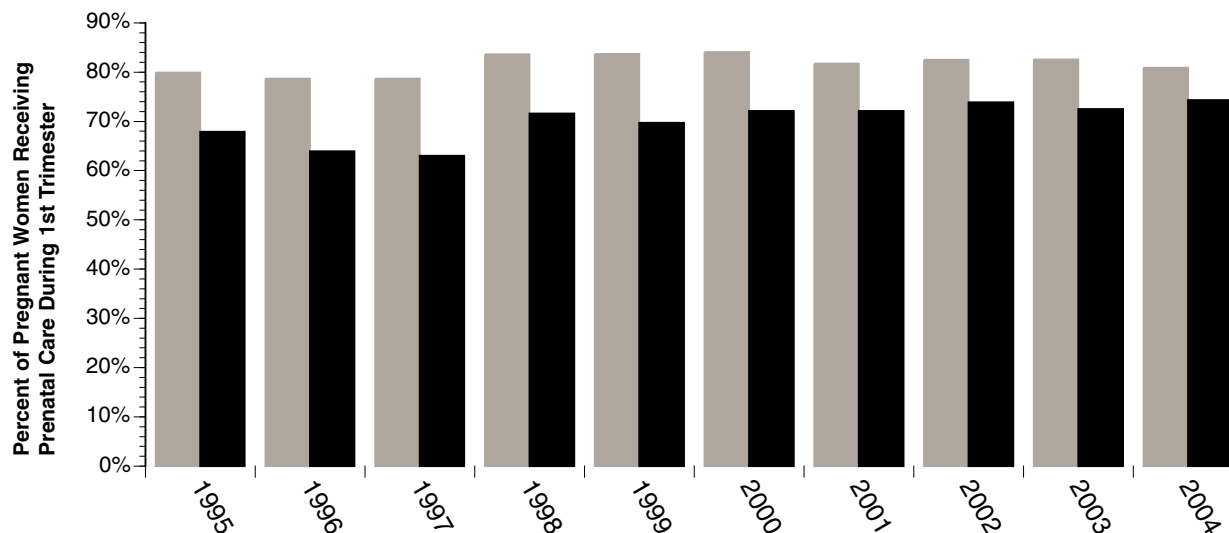
Infant Mortality Trend



Year	All Races	African American	White
1992	15.1	16.1	12.9
1993	13.8	16.5	7.5
1994	13.6	15.6	8.6
1995	12.5	14.6	8.3
1996	11.6	13.7	6.6
1997	14.4	18.1	5.9
1998	12.2	14.9	4.7
1999	13.5	15.6	8.2
2000	11.7	13.5	6.6
2001	11.9	14.8	4.3
2002	10.3	12.4	4.8
2003	13.2	17.5	3.3
2004	12.7	15.2	6.7

Data Source: Maryland Department of Health and Mental Hygiene, Vital Statistics Administration, Maryland Vital Statistics Annual Reports, 1992-2004

First Trimester Care



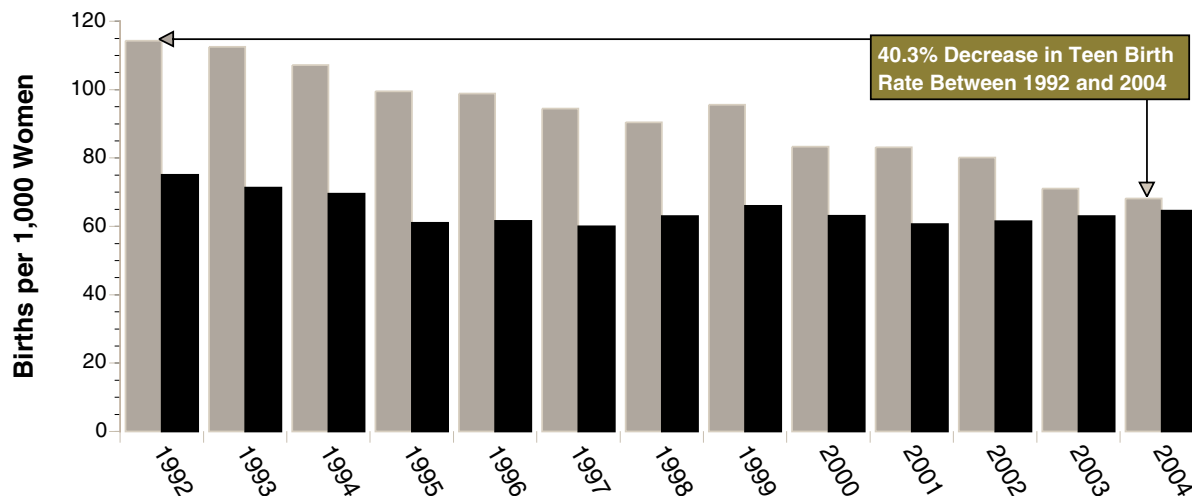
Year	Maryland	Baltimore
1995	79.9%	67.9%
1996	78.7%	63.9%
1997	78.7%	63.0%
1998	83.6%	71.6%
1999	83.7%	69.7%
2000	84.1%	72.1%
2001	81.7%	72.1%
2002	82.5%	73.9%
2003	82.6%	72.5%
2004	80.9%	74.3%

Data Source: Maryland Department of Health and Mental Hygiene, Vital Statistics Administration, Maryland Vital Statistics Annual Reports, 1995-2004

Maternal and Infant Health

Birth Rate Trend

Birth Rates Among Women Age 15-44 Years of Age and Among Teens Age 15-19



	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All Teens (15-19)	114.3	112.5	107.2	99.5	98.9	94.5	90.4	95.6	83.3	83.1	80.1	71.1	68.2
All Women (15-44)	75.1	71.3	69.6	61.0	61.6	60.0	63.0	66.0	63.1	60.7	61.5	63.0	64.6

Data Source: Maryland Department of Health and Mental Hygiene, Vital Statistics Administration, Maryland Vital Statistics Annual Reports, 1992-2004

Live Births

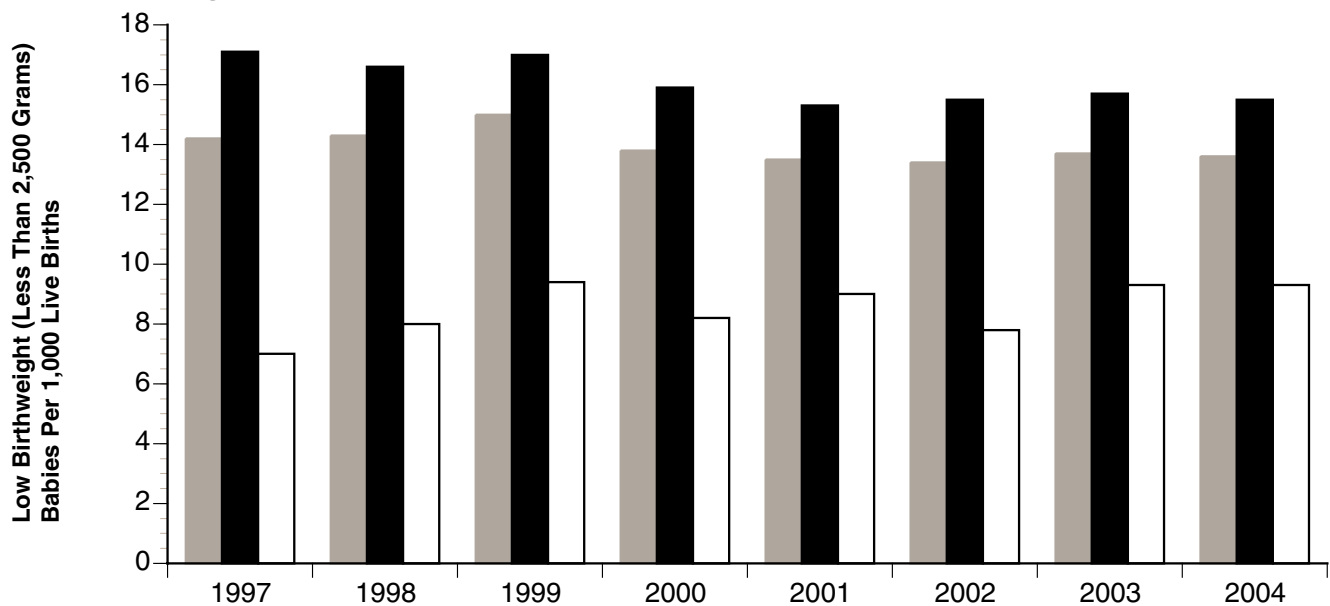
Per 1,000 Women, by Maternal Age Range

Birth Rates By Age Ranges	2000	2001	2002	2003	2004
Under 15	3.9	3.6	2.8	2.9	2.9
15-19	83.3	83.1	80.1	71.1	68.2
20-24	110.0	100.0	104.5	108.3	113.2
25-29	83.4	81.7	80.6	88.1	92.1
30-34	66.0	60.6	67.6	67.3	71.7
35-39	30.1	33.0	30.1	36.2	35.7
40-44	6.7	6.1	6.9	7.1	8.0
45-49	0.2	0.0	0.7	0.4	0.4
General Rate	63.1	60.7	61.5	63.0	64.6

Data Source: Maryland Department of Health and Mental Hygiene, Vital Statistics Administration, Maryland Vital Statistics Annual Reports, 2000-2004

Maternal and Infant Health

Low Birthweight Trend



	1997	1998	1999	2000	2001	2002	2003	2004
All Races	14.2	14.3	15.0	13.8	13.5	13.4	13.7	13.6
Black	17.1	16.6	17.0	15.9	15.3	15.5	15.7	15.5
White	7.0	8.0	9.4	8.2	9.0	7.8	9.3	9.3

Data Source: Maryland Department of Health and Mental Hygiene, Vital Statistics Administration, Maryland Vital Statistics Annual Reports, 1997-2004

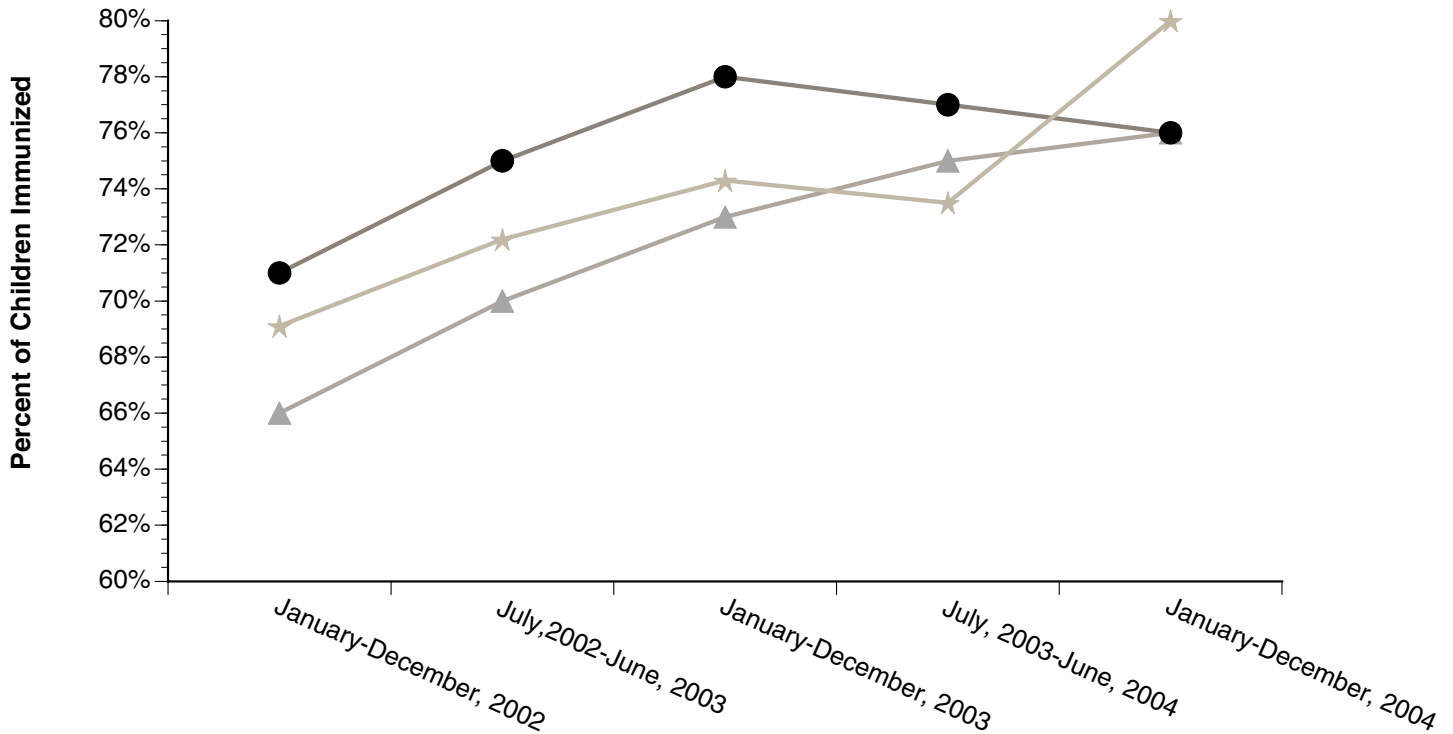
Birth Indicators, 2004

Variable	Total	White	Black	Other	Hispanic
Live Births	9,183	2,550	6,434	188	415
Births to teens 17 and younger	696	77	618	1	19
Births to teens 18 and 19	990	140	849	1	39
Live Births with Late/No Prenatal Care	512	114	388	10	32
Infant Deaths	117	17	98	2	2
Neonatal Deaths	66	9	56	1	2
Postneonatal Deaths	51	8	42	1	0
Percent Low Birth Weight	13.6%	9.3%	15.5%	8.6%	6.0%
Infant Mortality Rates (per 1,000 Live Births)	12.7	6.7	15.2	10.6	4.8

Data Source: Maryland Department of Health and Mental Hygiene, Vital Statistics Administration, Maryland Vital Statistics Annual Report 2004

Immunizations

4:3:1:3:3:1 Immunization Trends: 19 to 35 Month-Old Children



▲	USA	66.0%	70.0%	73.0%	75.0%	76.0%
●	Maryland	71.0%	75.0%	78.0%	77.0%	76.0%
★	Baltimore	69.1%	72.2%	74.3%	73.5%	80.0%

Data Source: Centers for Disease Control, National Immunization Program, National Immunization Survey, 2006

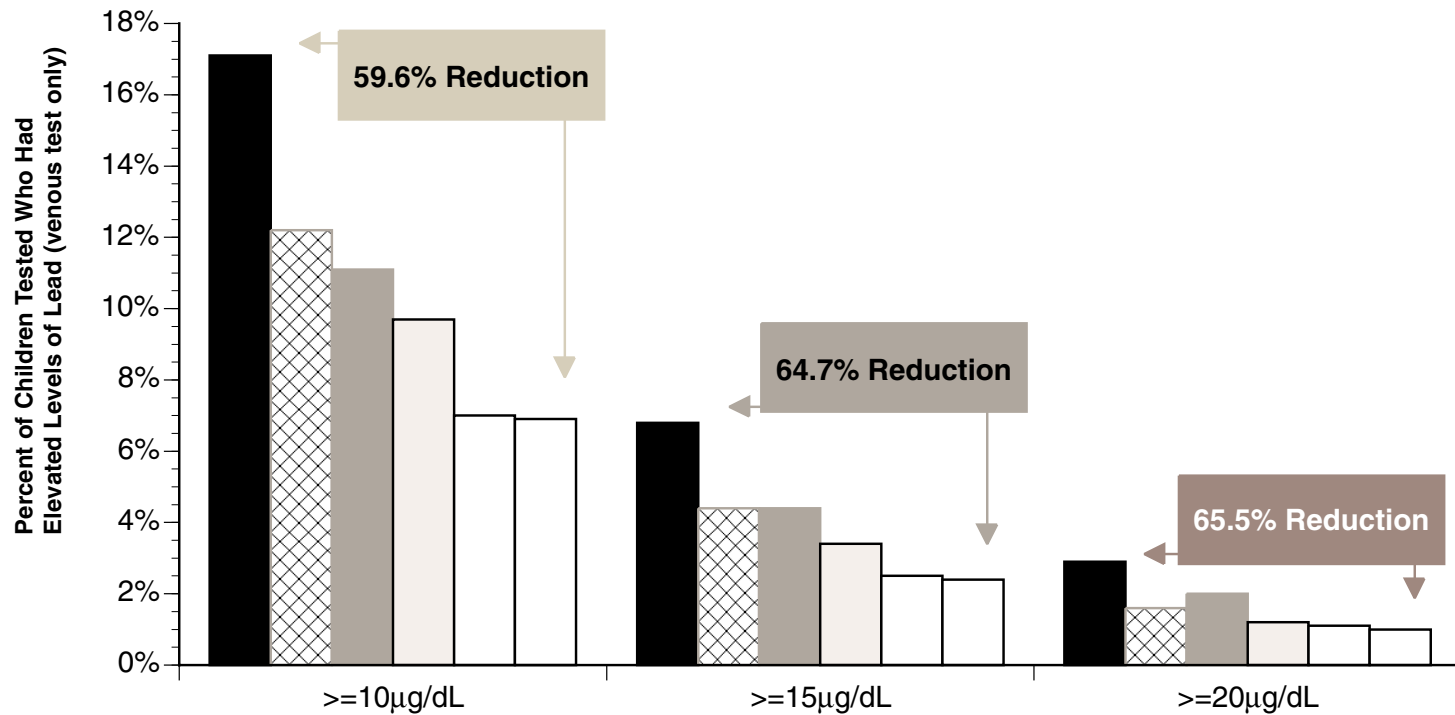
Notes:

4:3:1:3:3:1 is the recommended standard immunization series for children aged 19-35 months and indicates the following:

- 4 or more doses of diphtheria and tetanus toxoids and pertussis vaccine, or diphtheria and tetanus toxoids;
- 3 or more doses of poliovirus vaccine;
- 1 or more doses of measles-containing vaccine;
- 3 or more doses of *Hæmophilus influenzae* type b vaccine;
- 3 or more doses of hepatitis B vaccine;
- 1 or more doses of varicella vaccine

Lead Poisoning

Childhood Lead Poisoning Trend



1999	17.1%	6.8%	2.9%
2000	12.2%	4.4%	1.6%
2001	11.1%	4.4%	2.0%
2002	9.7%	3.4%	1.2%
2003	7.0%	2.5%	1.1%
2004	6.9%	2.4%	1.0%

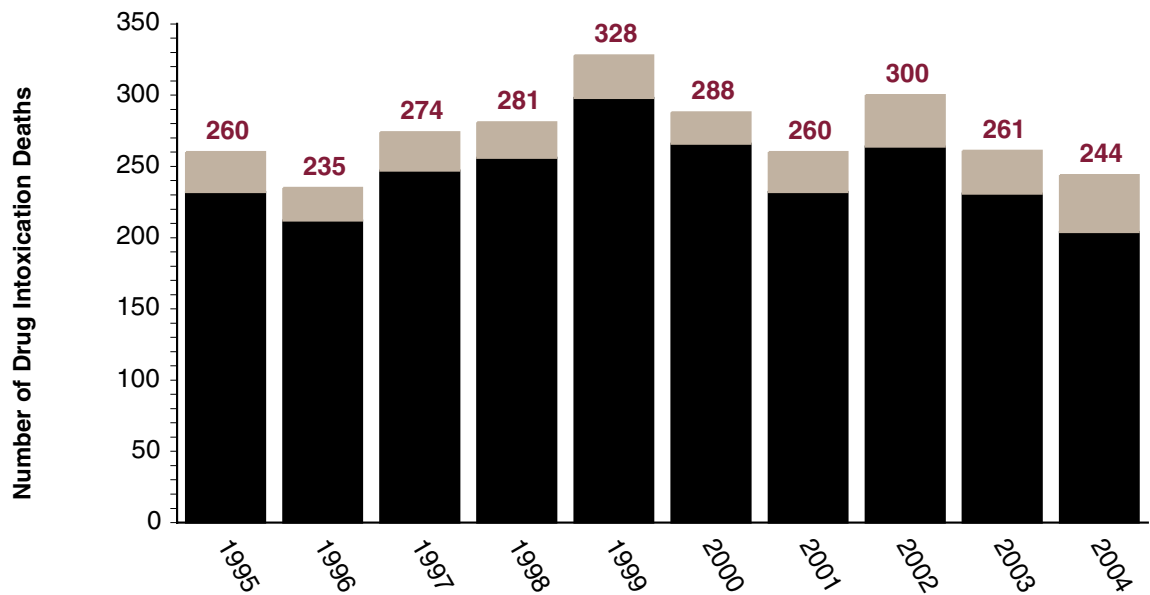
Data source: Maryland Department of the Environment, Lead Poisoning Prevention Program, Childhood Blood Lead Surveillance in Maryland, Annual Report: 1999 – 2004, Supplement #2.

Note:

Maryland law requires lead poisoning testing of all children between one and two years old.

Substance Abuse

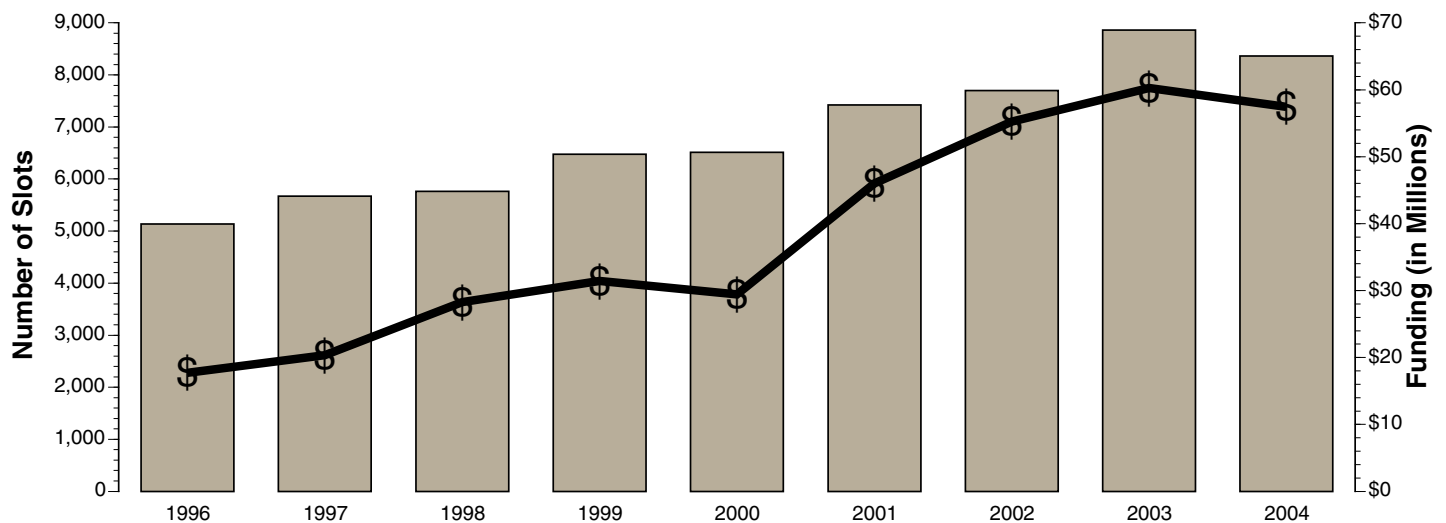
Deaths Due to Drug Intoxication, 1995-2004



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Opiate Drug Intoxication	232	212	247	256	298	266	232	264	231	204
Other Drug Intoxication	28	23	27	25	30	22	28	36	30	40
Total Drug Intoxications	260	235	274	281	328	288	260	300	261	244

Data Sources: Office of the Chief Medical Examiner, State of Maryland

Substance Abuse Treatment Slots and Funding Trends, 1996-2004

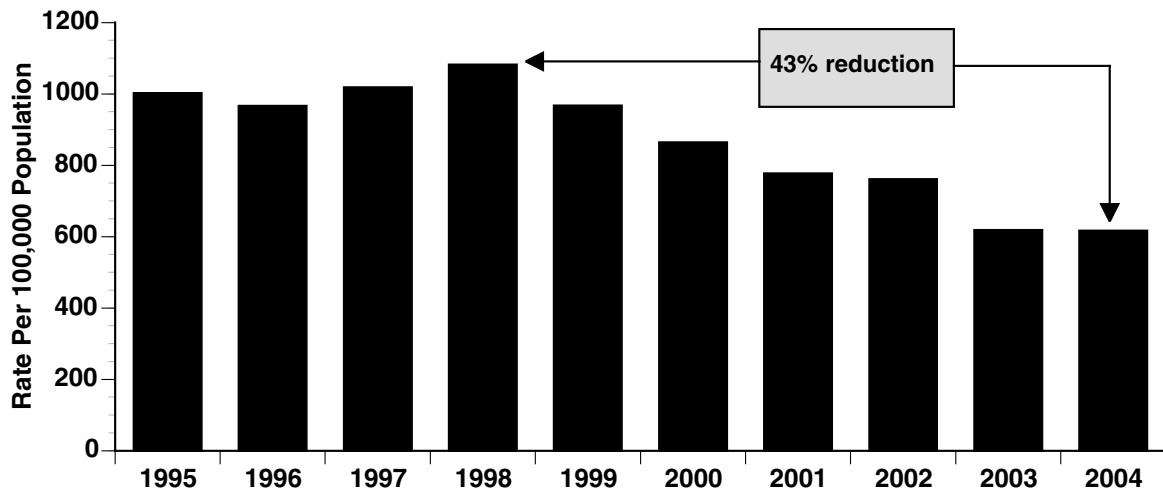


Slots	5,136	5,673	5,763	6,478	6,515	7,420	7,698	8,863	8,363
Funding	\$17.74	\$20.35	\$28.28	\$31.42	\$29.44	\$46.00	\$55.27	\$60.26	\$57.45

Data Source: Baltimore Substance Abuse Systems, Inc.; dollar figures not adjusted for inflation

Sexually Transmitted Infections

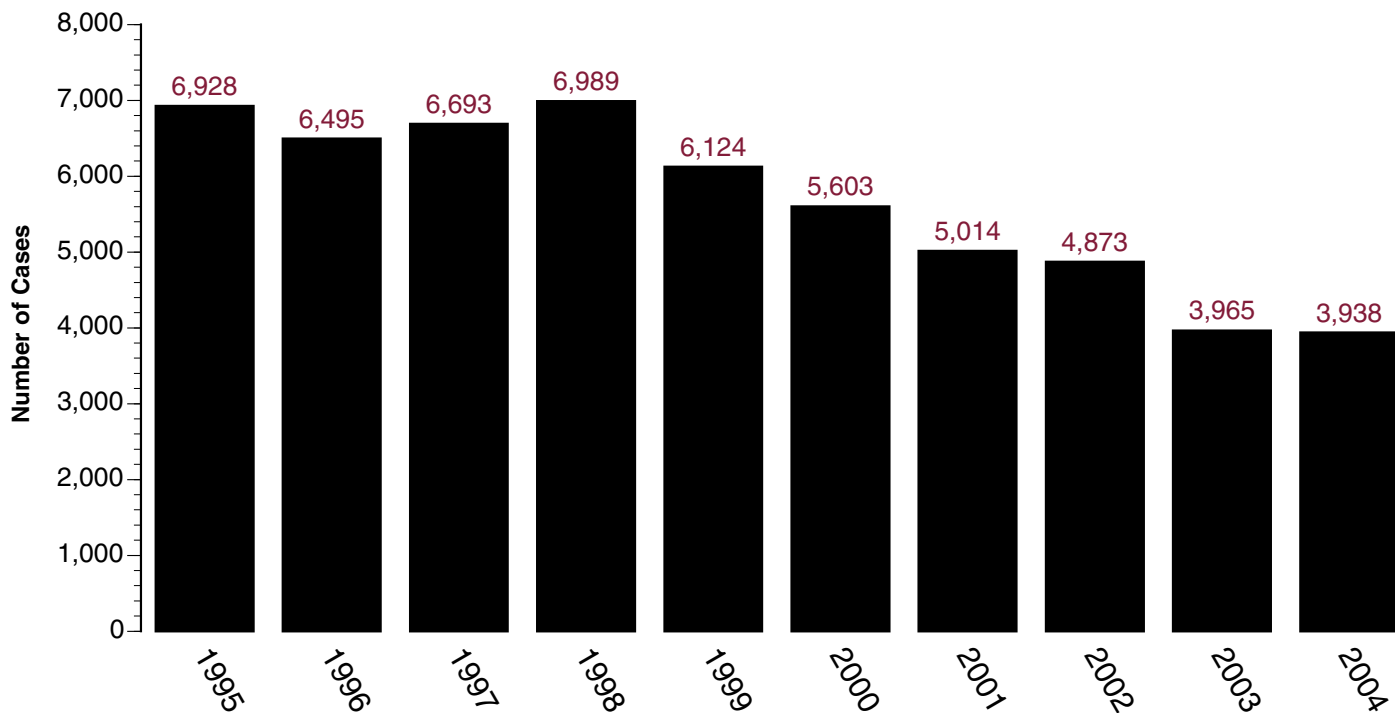
Rates of Gonorrhea, 1995-2004



Rate Per 100,000 Population	1002.4	966.9	1018.3	1082.6	967.9	863.9	777	761.4	618.4	616.9
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Data Source: Baltimore City Health Department

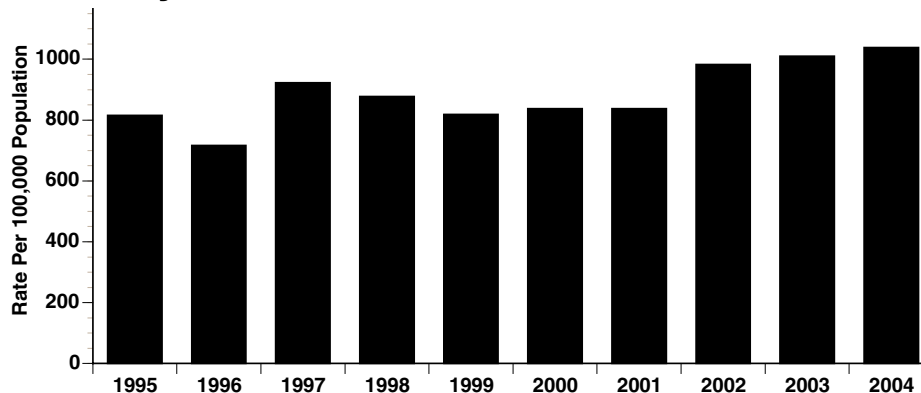
Cases of Gonorrhea, 1995-2004



Data Source: US Department of Health and Human Services, Centers for Disease Control

Sexually Transmitted Infections

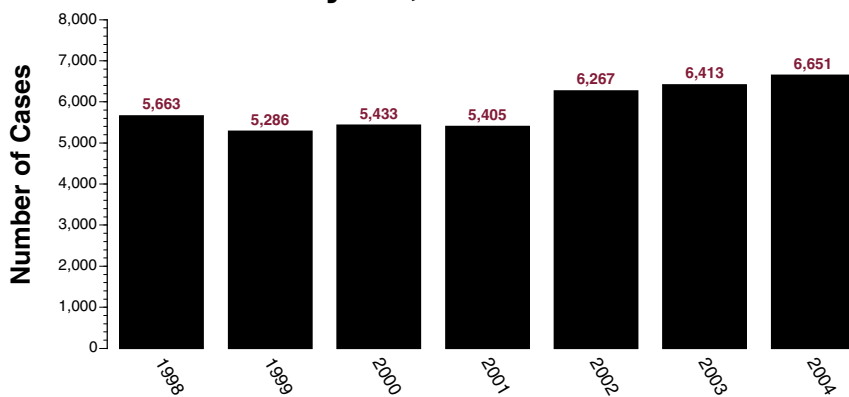
Rates of Chlamydia, 1995-2004



Rate Per 100,000 Population	815.8	716.4	922.9	877.2	818.8	837.7	837.6	982.1	1,010.1	1,038.2
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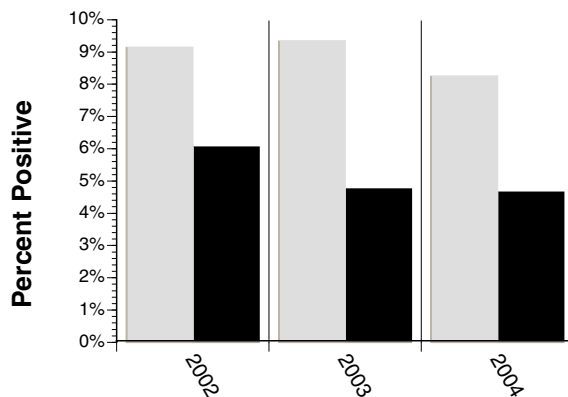
Data Source: Baltimore City Health Department

Cases of Chlamydia, 1998-2004



Data Source: US Department of Health and Human Services, Centers for Disease Control

Percent of Chlamydia Tests With Positive Results Among Patients Attending City-Funded Clinics, 2002-2004



Notes:

Although the number of cases of Chlamydia has increased in recent years, the percentage of persons who test positive for Chlamydia at city-funded clinics actually decreased.

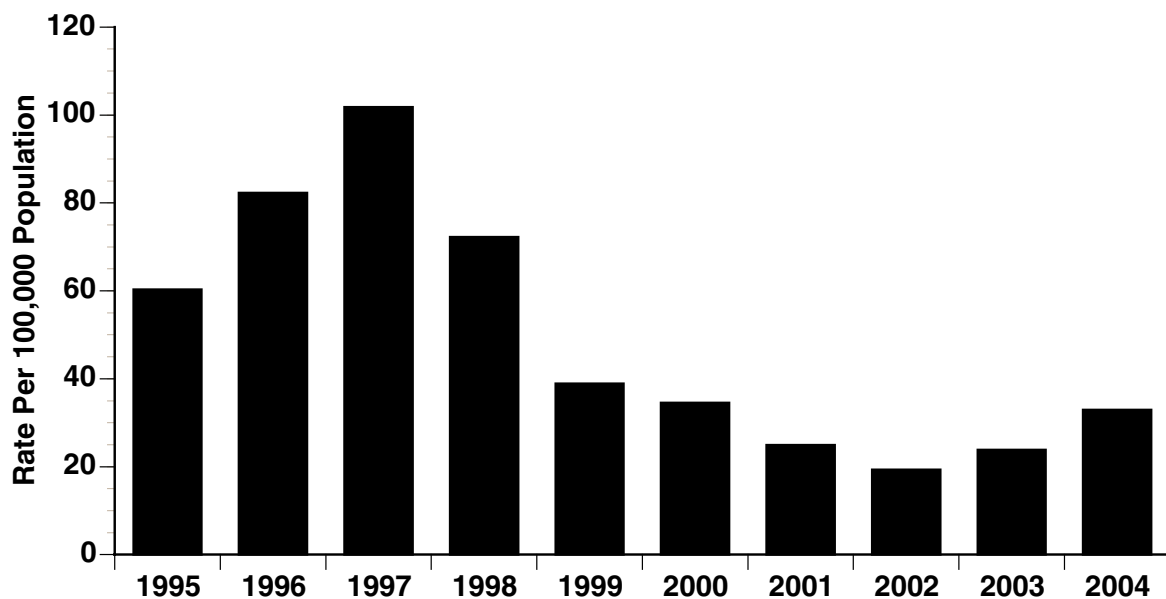
BCHD FAMILY PLANNING CLINICS is a subset of ALL CITY-FUNDED CLINICS.

All City-Funded Clinics	9.1%	9.3%	8.2%
BCHD Family Planning Clinics	6.0%	4.7%	4.6%

Data Source: Baltimore City Health Department

Sexually Transmitted Infections

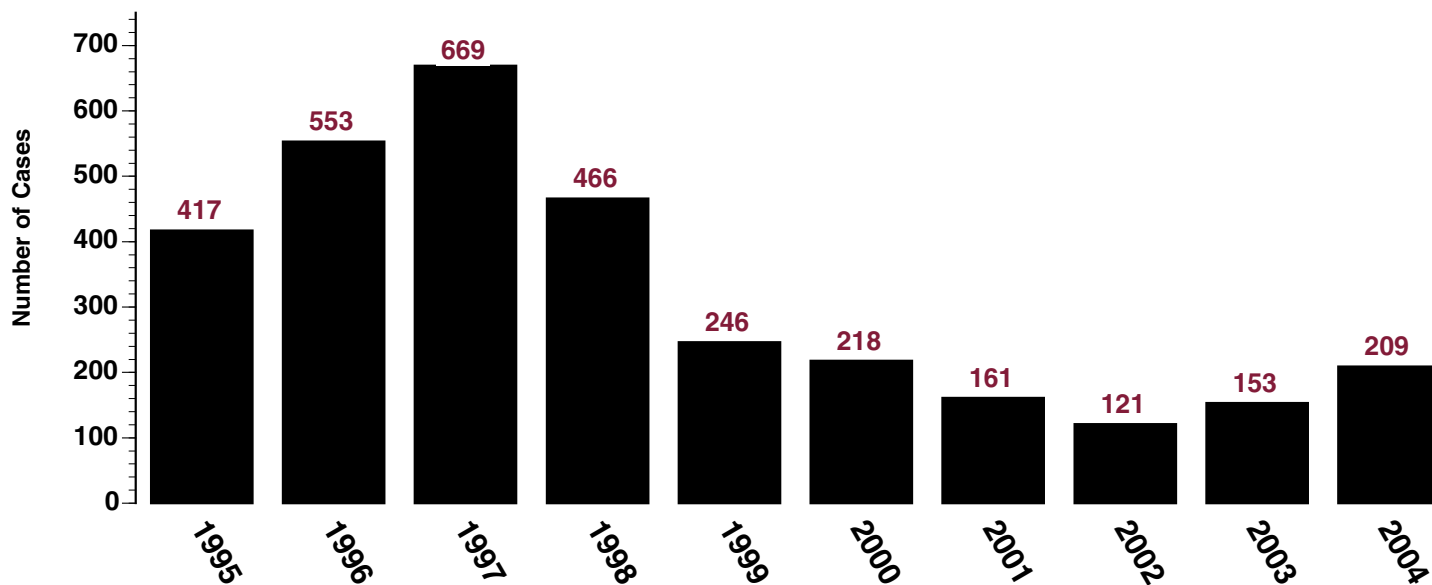
Rates of Syphilis, 1995-2004



Rate Per 100,000 Population	60.3	82.3	101.8	72.2	38.9	34.5	24.9	19.3	23.8	32.9
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Data Source: Baltimore City Health Department

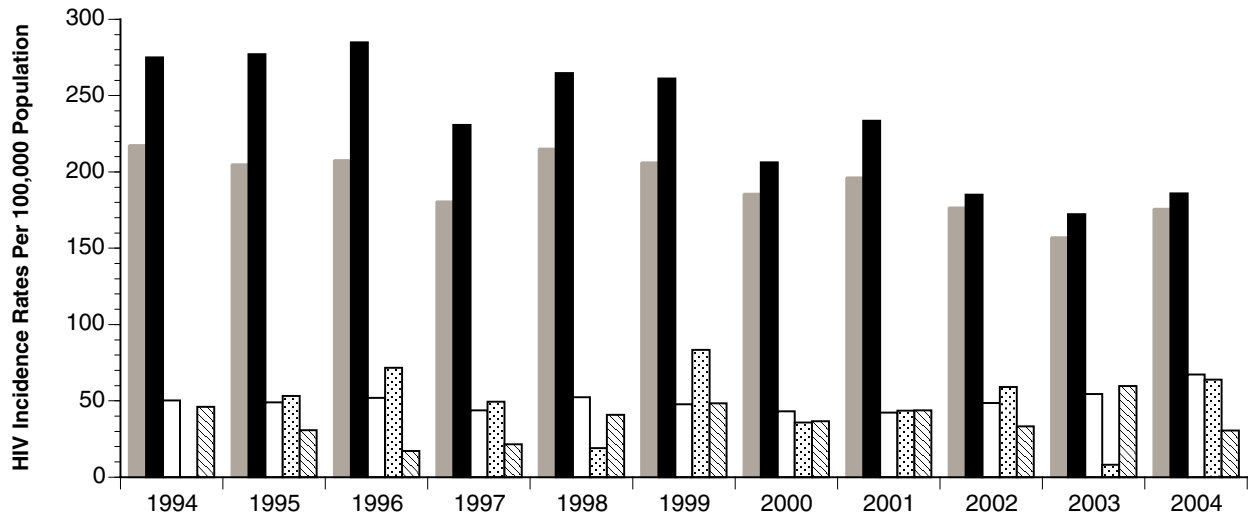
Cases of Syphilis, 1995-2004



Data Source: US Department of Health and Human Services, Centers for Disease Control

HIV/AIDS

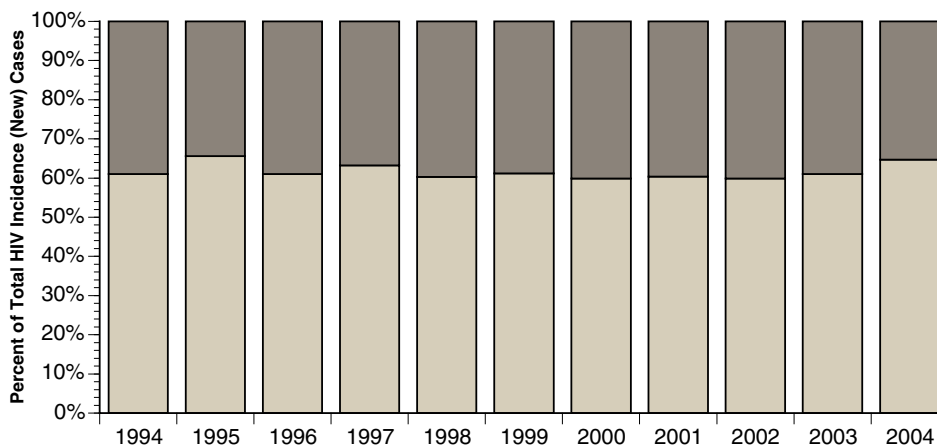
HIV Incidence Rates Per 100,000 Population by Race, 1994-2004



Overall	217.6	205.1	207.7	180.6	215.3	206.3	185.7	196.4	176.7	157.3	175.9
Black Non-Hispanic	275.0	277.2	284.9	230.8	264.8	261.3	206.2	233.5	185.1	172.3	185.9
White Non-Hispanic	50.2	49.0	52.0	43.7	52.3	47.7	43.1	42.4	48.6	54.4	67.3
Hispanic	0.0	53.1	71.7	49.5	19.1	83.3	35.9	43.5	59.1	8.2	63.8
Other	46.1	30.7	17.2	21.6	40.8	48.3	36.7	43.7	33.3	59.8	30.5

Data Source: Maryland AIDS Administration

HIV Incidence, Percentage of Affected Population, by Sex, 1994-2004



Male Cases	61%	66%	61%	63%	60%	61%	60%	60%	60%	61%	65%
Female Cases	39%	34%	39%	37%	40%	39%	40%	40%	40%	39%	35%

Data Source: Maryland AIDS Administration

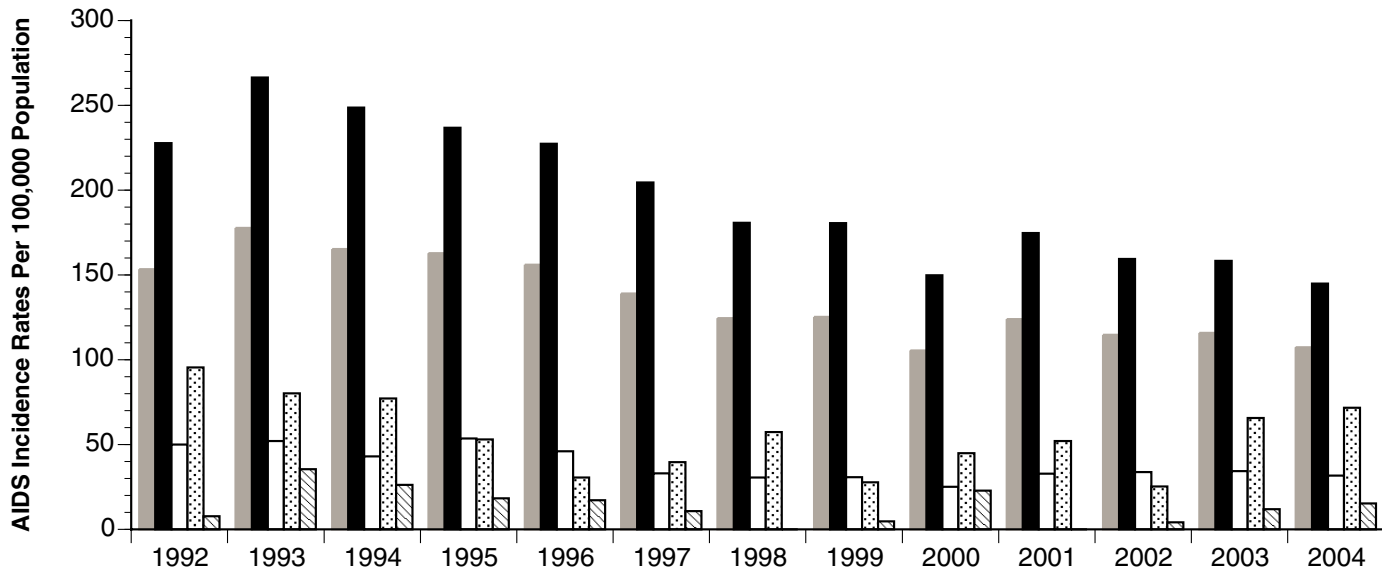
HIV Incidence (New Cases) Counts

Year	Total	Black	White	Missing	Other	Hispanic	Male	Female
1994	1,552	1,173	125	247	7	0	940	600
1995	1,439	1,178	118	133	5	5	940	492
1996	1,430	1,206	121	93	3	7	871	558
1997	1,223	973	98	143	4	5	770	449
1998	1,437	1,112	113	202	8	2	864	569
1999	1,356	1,093	99	145	10	9	828	526
2000	1,205	859	86	248	8	4	719	482
2001	1,258	969	81	193	10	5	759	497
2002	1,117	765	89	248	8	7	669	447
2003	981	709	95	161	15	1	597	382
2004	1,082	762	112	192	8	8	697	381

Data Source: Maryland AIDS Administration

HIV/AIDS

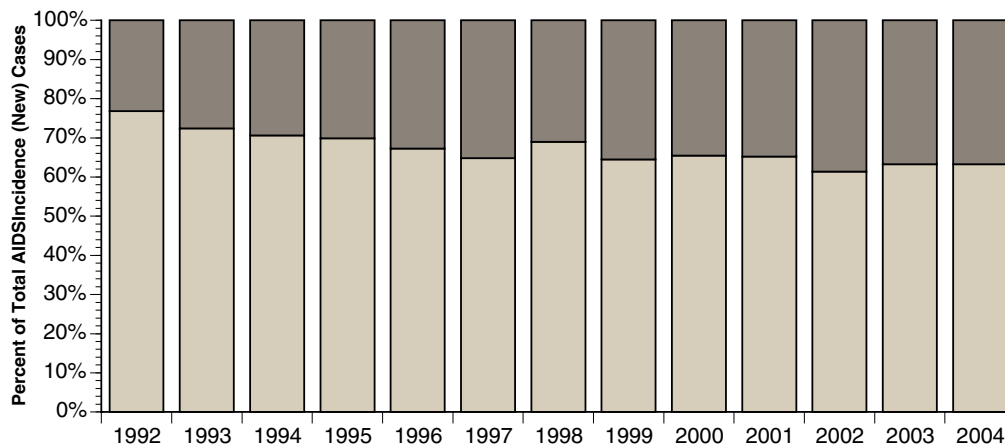
AIDS Incidence Rates Per 100,000 Population By Race, 1992-2004



Overall	153.3	177.8	165.3	162.9	156.1	139.1	124.5	125.2	105.4	124.0	114.7	115.8	107.3
Black	227.7	266.4	248.7	236.7	227.3	204.5	180.7	180.5	149.8	174.7	159.5	158.2	144.9
White	50.1	52.1	43.0	53.6	46.0	33.0	30.6	30.8	25.1	32.9	33.9	34.3	31.8
Hispanic	95.5	80.2	77.2	53.1	30.7	39.6	57.4	27.8	44.9	52.2	25.3	65.7	71.8
Other	7.7	35.5	26.3	18.4	17.2	10.8	0.0	4.8	22.9	0.0	4.2	12.0	15.3

Data Source: Maryland AIDS Administration

AIDS Incidence, Percentage of Affected Population, By Sex, 1992-2004



Male Cases	77%	72%	71%	70%	67%	65%	69%	65%	66%	65%	61%	63%	63%
Female Cases	23%	28%	29%	30%	33%	35%	31%	36%	35%	35%	39%	37%	37%

Data Source: Maryland AIDS Administration

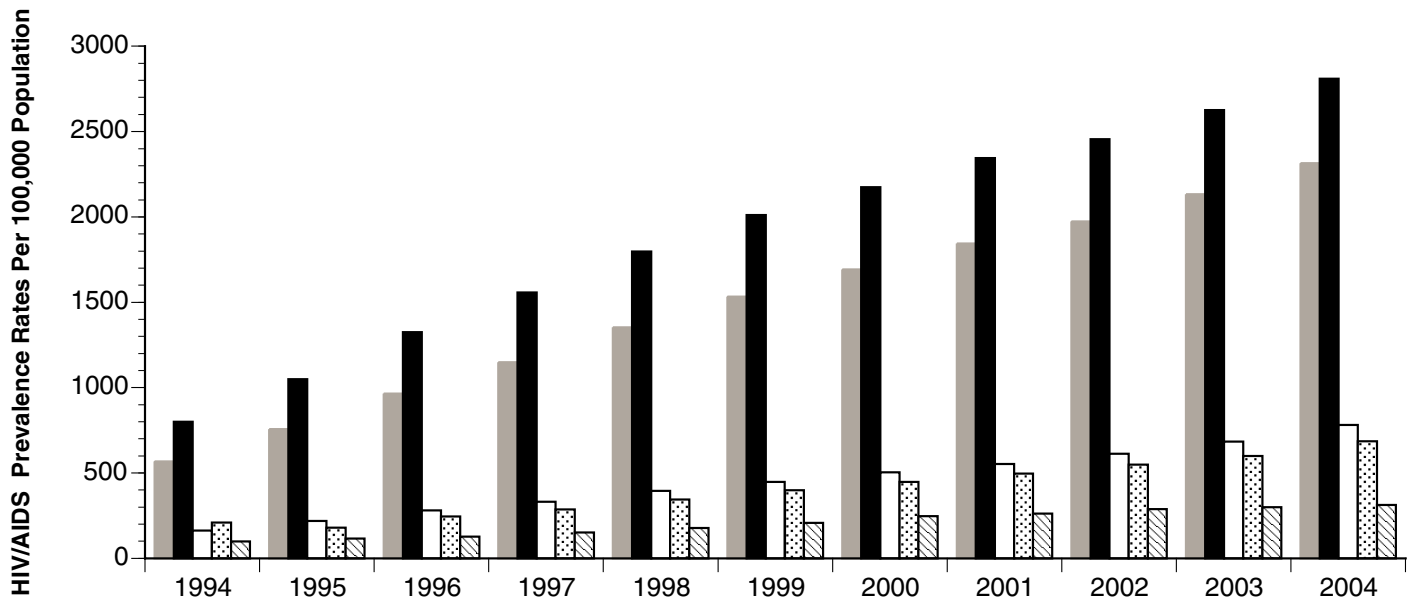
AIDS Incidence (New Cases) Counts

Year	Total	Black	White	Hispanic	Other	Male	Female
1992	1,121	979	133	8	1	861	260
1993	1,287	1,141	134	7	5	932	355
1994	1,179	1,061	107	7	4	832	347
1995	1,143	1,006	129	5	3	799	344
1996	1,075	962	107	3	3	724	351
1997	942	862	74	4	2	610	332
1998	831	759	66	6	0	573	258
1999	823	755	64	3	1	531	292
2000	684	624	50	5	5	448	236
2001	794	725	63	6	0	518	276
2002	725	659	62	3	1	445	280
2003	722	651	60	8	3	457	265
2004	660	594	53	9	4	418	242

Data Source: Maryland AIDS Administration

HIV/AIDS

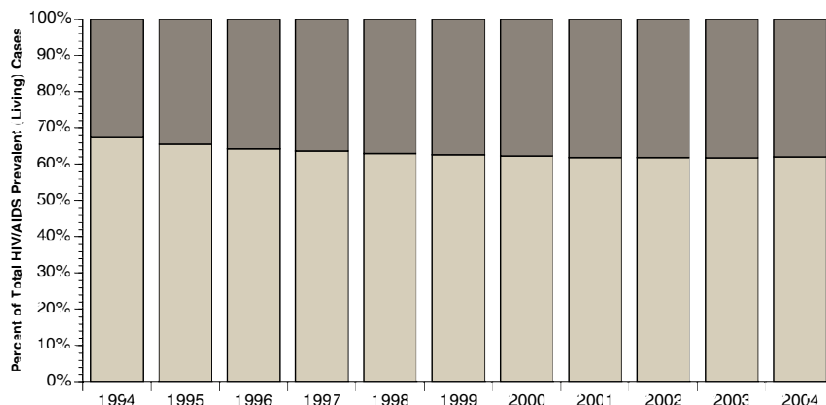
HIV/AIDS Prevalence Rates Per 100,000 Population By Race, 1994-2004



Overall	568.5	757.2	964.6	1,149.5	1,352.6	1,533.5	1,692.8	1,844.7	1,973.9	2,132.7	2,314.5
Black	801.0	1,050.0	1,325.2	1,557.6	1,797.4	2,010.9	2,174.8	2,344.1	2,456.1	2,626.7	2,810.1
White	162.6	218.8	281.2	330.8	394.4	448.6	503.8	552.2	612.6	684.0	782.2
Hispanic	209.4	180.5	245.8	286.9	344.3	398.1	448.5	495.9	549.0	599.1	686.3
Other	98.7	116.6	126.5	151.4	178.6	207.8	247.8	262.1	287.6	298.9	313.1

Data Source: Maryland AIDS Administration

HIV/AIDS Prevalence, Percent of Affected Population By Sex, 1994-2004



Male Cases	68%	66%	64%	64%	63%	63%	62%	62%	62%	62%
Female Cases	33%	34%	36%	36%	37%	37%	38%	38%	38%	38%

Data Source: Maryland AIDS Administration

HIV/AIDS

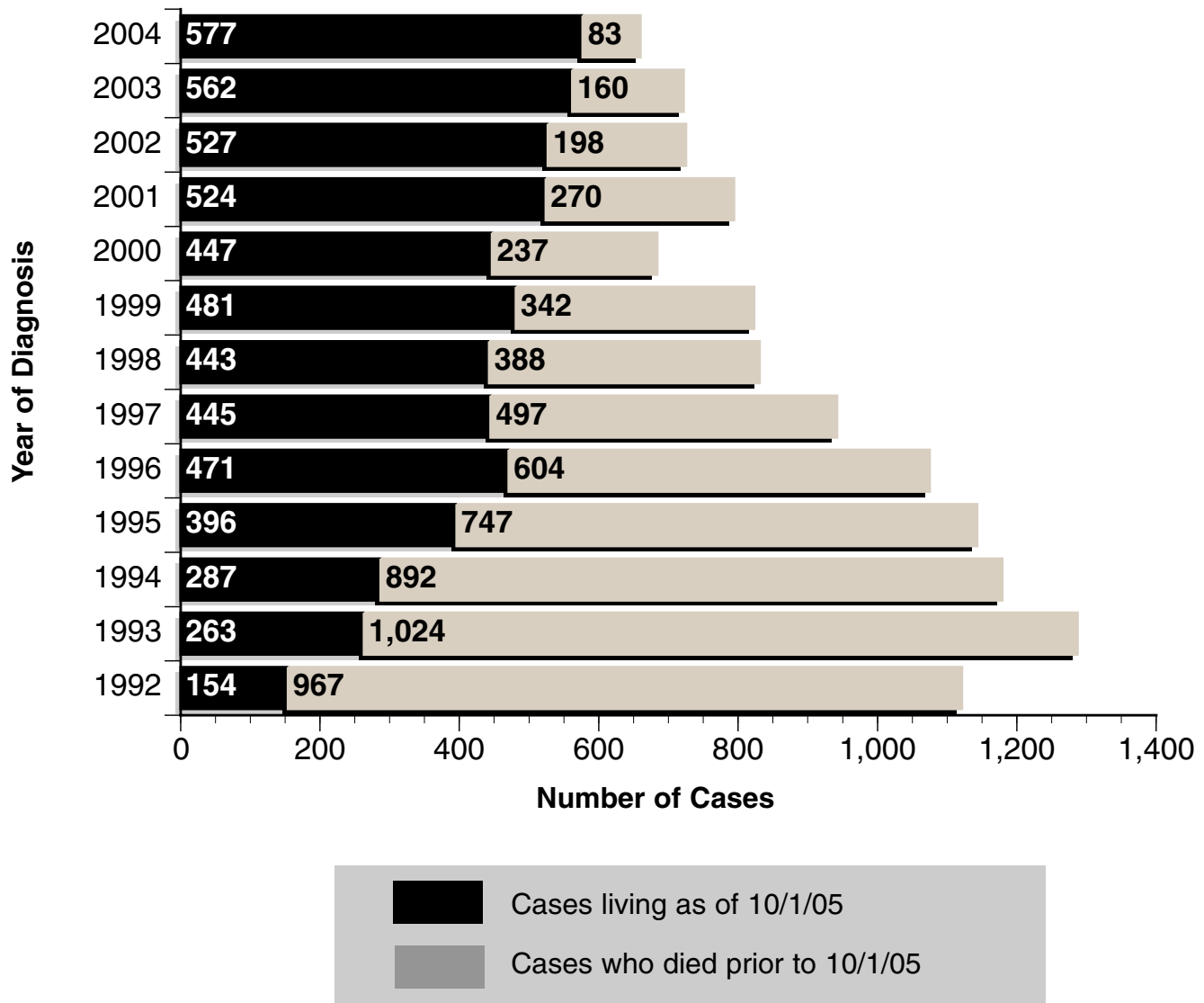
HIV and AIDS Prevalence (Living Cases) Counts

Year	Total	White	Black	Hispanic	Other	Male	Female
1994	4,055	405	3,417	19	15	2,728	1,315
1995	5,313	527	4,462	17	19	3,477	1,820
1996	6,642	654	5,609	24	22	4,259	2,366
1997	7,786	742	6,567	29	28	4,946	2,820
1998	9,028	852	7,548	36	35	5,673	3,331
1999	10,082	932	8,411	43	43	6,298	3,760
2000	10,987	1,005	9,060	50	54	6,832	4,127
2001	11,816	1,056	9,726	57	60	7,290	4,501
2002	12,476	1,121	10,150	65	69	7,690	4,760
2003	13,299	1,195	10,811	73	75	8,194	5,079
2004	14,236	1,302	11,519	86	82	8,814	5,393

Data Source: Maryland AIDS Administration

HIV/AIDS

Survival Through September 30, 2005 Among HIV/AIDS Cases, By Year of Diagnosis, 1992-2004



Data Source: Maryland AIDS Administration

Acute and Communicable Diseases

Cases of Maryland Reportable Diseases, 1998-2004

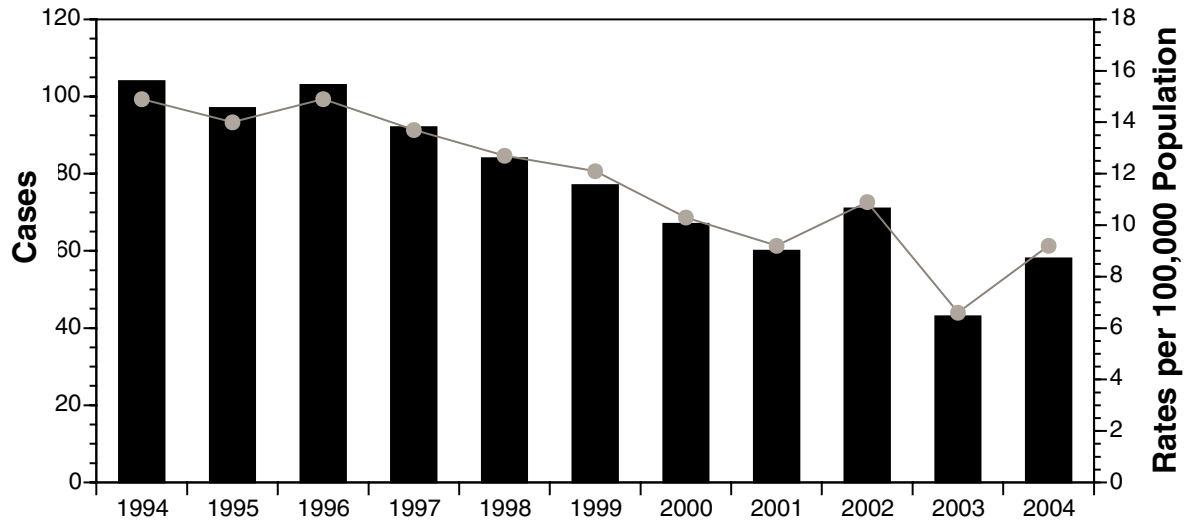
Disease Group	1998	1999	2000	2001	2002	2003	2004
Arboviral -- West Nile Virus	0	0	0	2	5	15	4
Campylobacteriosis	79	39	50	43	62	40	29
Cryptosporidiosis	6	2	1	16	7	4	10
E. coli O157:H7	3	1	2	1	4	0	0
Encephalitis	0	7	5	4	4	5	2
Giardiasis	20	27	23	21	18	23	28
Haemophilus influenzae Group	19	25	26	31	29	24	16
Influenza	NA	29	23	159	227	147	NA
Legionellosis	7	7	15	5	8	28	16
Listeriosis	4	3	3	1	1	5	1
Lyme Disease	5	18	8	15	12	7	15
Malaria	4	10	7	9	9	6	7
Meningitis Aseptic & Other	83	78	144	190	154	205	115
Meningococcal	11	10	7	12	1	3	2
Mumps	0	2	4	1	0	0	0
Pertussis	15	19	16	8	5	6	12
Rocky Mountain Spotted Fever	2	1	2	1	1	1	4
Salmonella	148	145	142	120	225	157	152
Shigellosis	25	21	48	34	687	168	21
Strep	17	115	16	51	156	478	431
Vibrio (non-cholera)	1	1	2	2	4	4	3

Data Source: Baltimore City Health Department

Notes: Communicable diseases are reported by physicians, health clinics, hospitals, laboratories, and (occasionally) nursing homes. Cases are usually laboratory-confirmed, with the exception of a few diseases that are diagnosed via clinical evaluation.

Tuberculosis

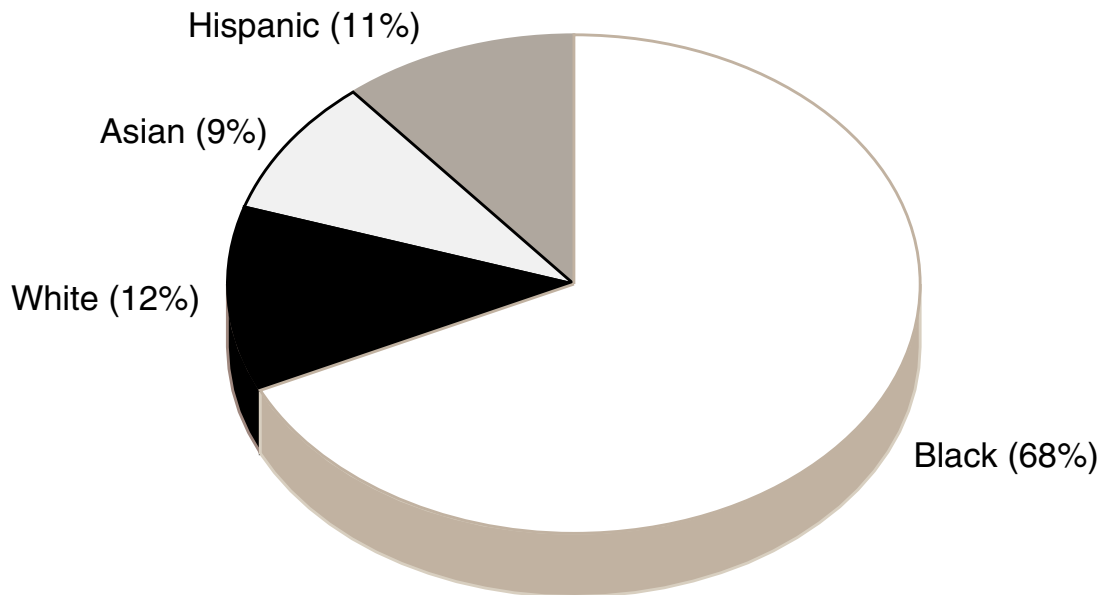
Tuberculosis Incidence and Incidence Rates



■	Number of Cases	104	97	103	92	84	77	67	60	71	43	58
○	Rate/100,000 Population	14.9	14	14.9	13.7	12.7	12.1	10.3	9.2	10.9	6.6	9.2

Data Source: Baltimore City Health Department

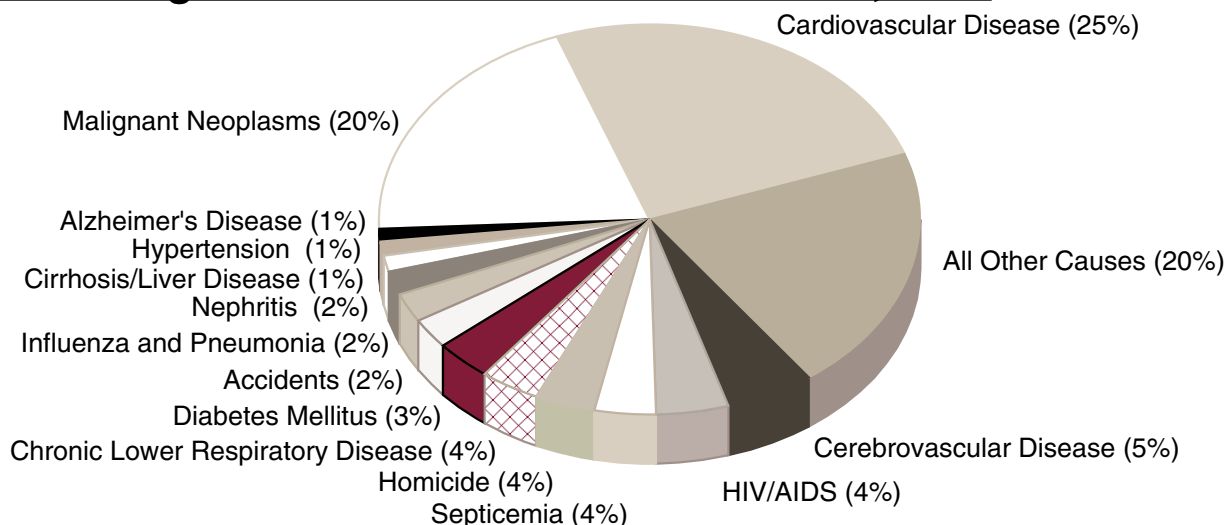
Racial Composition of Incident Tuberculosis Cases, 2004



Data Source: Baltimore City Health Department

Mortality

Percentage Distribution of Causes of Death, 2004



Data source: Maryland Department of Health and Mental Hygiene, Vital Statistics Administration, Maryland Vital Statistics Annual Report 2004

Number of Resident Deaths by Race and Sex, 2004, and Age-Adjusted Rates per 100,000 Population for Major Causes of Death, 2002-2004

Cause of Death	All Races				White			African American		
	Total Number of Deaths	Age Adjusted Death Rate 2002-2004	Male (Counts)	Female (Counts)	Total (Counts)	Male (Counts)	Female (Counts)	Total (Counts)	Male (Counts)	Female (Counts)
Cardiovascular Disease	1,838	300.1	935	903	706	370	336	1,124	560	564
Malignant Neoplasms	1,498	251.4	760	738	554	278	276	937	476	461
Cerebrovascular Disease	387	63.5	169	218	142	62	80	245	107	138
HIV/AIDS	317	58.8	202	115	21	13	8	296	189	107
Septicemia	267	44.3	132	135	94	46	48	171	85	86
Homicide	263	37.5	234	29	21	16	5	240	217	23
Chronic Lower Respiratory Disease	262	42.7	119	143	139	62	77	123	57	66
Diabetes Mellitus	247	40.4	102	145	72	30	42	174	72	102
Accidents	183	31.1	131	52	70	49	21	112	81	31
Influenza and Pneumonia	176	27.8	91	85	83	39	44	92	52	40
Nephritis	144	22.9	76	68	41	23	18	103	53	50
Cirrhosis/Liver Disease	98	NA	69	29	44	31	13	53	38	15
Hypertension	85	NA	33	52	19	9	10	66	24	42
Alzheimer's Disease	78	12.9	25	53	44	13	31	34	12	22
All Other Causes	1,479	NA	760	719	520	248	272	946	501	445
All Causes	7,322	1,197.1	3,838	3,484	2,570	1,289	1,281	4,716	2,524	2,192

Data source: Maryland Department of Health and Mental Hygiene, Vital Statistics Administration, Maryland Vital Statistics Annual Report 2004