

BREAST CANCER

CCCP Goal/Target		Indicator	Indicator Source	Values, by Year										Data Source
				2000	2001	2002	2003	2004	2005	2006	2007	2008		
Goal	Reduce the incidence of breast cancer in Maryland.	Incidence rate for invasive breast cancer in females	CCCP	133.0	121.6	132.4	133.4	124.2	118.6	112.8			MCR	
Goal	By 2008, reduce the proportion of late stage breast cancers diagnosed in all women, and reduce the rates of late diagnosis in African-American women to that of white women.	Percent distant stage:	CCCP										MCR	
		Overall		3.8%	3.7%	3.7%	4.5%	4.8%	4.7%	5.0%				
		White		3.8%	3.4%	3.2%	4.3%	4.8%	4.3%	4.5%				
	Black	4.0%	4.8%	5.6%	5.9%	5.2%	5.8%	6.5%						
Goal	Ensure that all women who develop breast cancer are diagnosed with Stage 1 disease with <1 cm tumors.	none												
Goal	Research factors contributing to high incidence and mortality rates in Maryland and develop appropriate interventions.	none												
Goal	Ensure access to prevention, screening, treatment, and follow-up care for all Maryland residents.	none												
Goal	Preserve the Cigarette Restitution Fund (CRF) for addressing health issues in Maryland.	none												
Target	By 2008, reduce the female breast cancer mortality to a rate of no more than 23.2 per 100,000 females in Maryland.	Mortality rate for invasive breast cancer in females	CCCP										Mortality rates from NCHS Compressed Mortality File (CMF) in CDC WONDER. (2000-2005 data from CMF 1999-2005; 2006 data from CMF 1999-2006.)	
		Overall		27.7 (baseline)	28.0	29.4	26.8	27.1	25.9	25.0				
		White		26.0	26.5	27.6	24.4	25.6	25.0	23.7				
		Black		34.1	33.3	35.6	34.9	32.9	28.8	30.3				
	Black/White Ratio	1.3	1.3	1.3	1.4	1.3	1.2	1.3						
Target	By 2008, increase the number of women age 40 and older that have received a mammogram in the past 2 years to 85%.	Percent of women age 40 years and older who have had a mammogram within the past 2 years	CCCP	82% (baseline)		82%		79%		80%		77%	MD BRFSS (HP 2010 target is 70%)	
						84%		83%		83%		83%	MCS	

Incidence and mortality rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population
MD BRFSS: Maryland Behavioral Risk Factor Surveillance System
CCCP: Comprehensive Cancer Control Plan
MCR: Maryland Cancer Registry, DHMH
MCS: Maryland Cancer Survey
NCHS: National Center for Health Statistics

Table 1.
Female Breast Cancer Incidence Data*
by Race, Maryland and the United States, 2004-2006

	<i>Total</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
2004				
MD New Cases (count)	3,850	2,767	915	129
MD Incidence Rate	124.2	127.4	114.0	90.2
U.S. SEER Rate	123.0	126.7	118.3	88.8
2005				
MD New Cases (count)	3,712	2,637	896	153
MD Incidence Rate	118.6	121.1	108.7	101.2
U.S. SEER Rate	122.1	126.2	114.8	88.1
2006				
MD New Cases (count)	3,580	2,509	921	124
MD Incidence Rate	112.8	115.0	109.7	76.9
U.S. SEER Rate	120.8	124.3	116.8	86.9

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

Total includes cases reported as unknown race

Source: Maryland Cancer Registry, 2004-2006

U.S. (SEER 17) rates from NCI SEER*Stat

Table 2.
Female Breast Cancer Mortality Data*
by Race, Maryland and the United States, 2004-2006

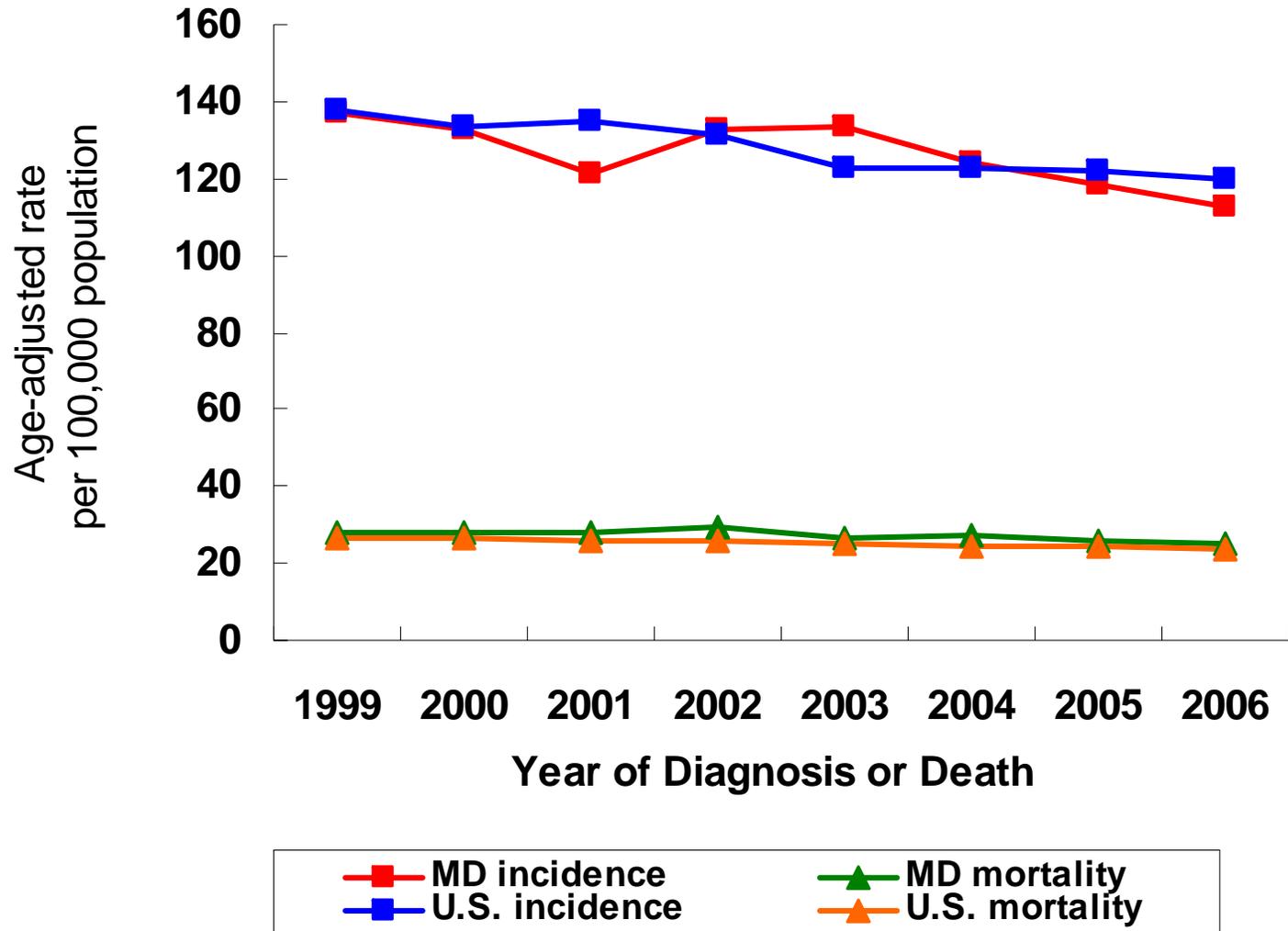
	<i>Total</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
2004				
MD Deaths (count)	847	583	251	13
MD Mortality Rate	27.1	25.6	32.9	**
U.S. Mortality Rate	24.5	23.9	32.2	13.0
2005				
MD Deaths (count)	821	571	231	19
MD Mortality Rate	25.9	25.0	28.8	13.6
U.S. Mortality Rate	24.1	23.4	32.8	12.6
2006				
MD Deaths (count)	808	549	249	10
MD Mortality Rate	25.0	23.7	30.3	**
U.S. Mortality Rate	23.5	22.9	31.6	12.2

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

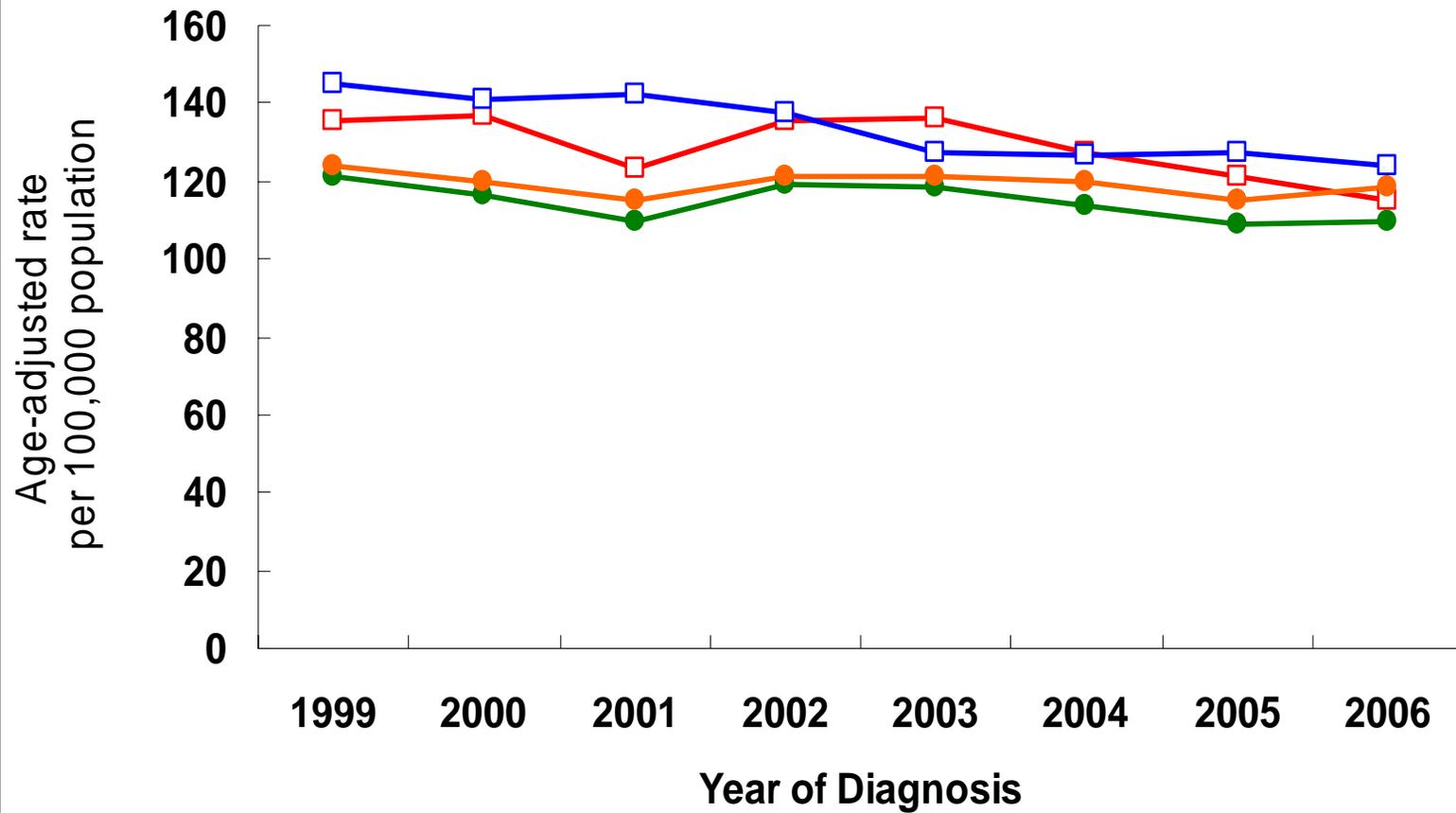
** MD mortality rates based on death counts of 0-15 are suppressed per DHMH/CCSC
Mortality Data Suppression Policy

Source: NCHS Compressed Mortality File in CDC WONDER

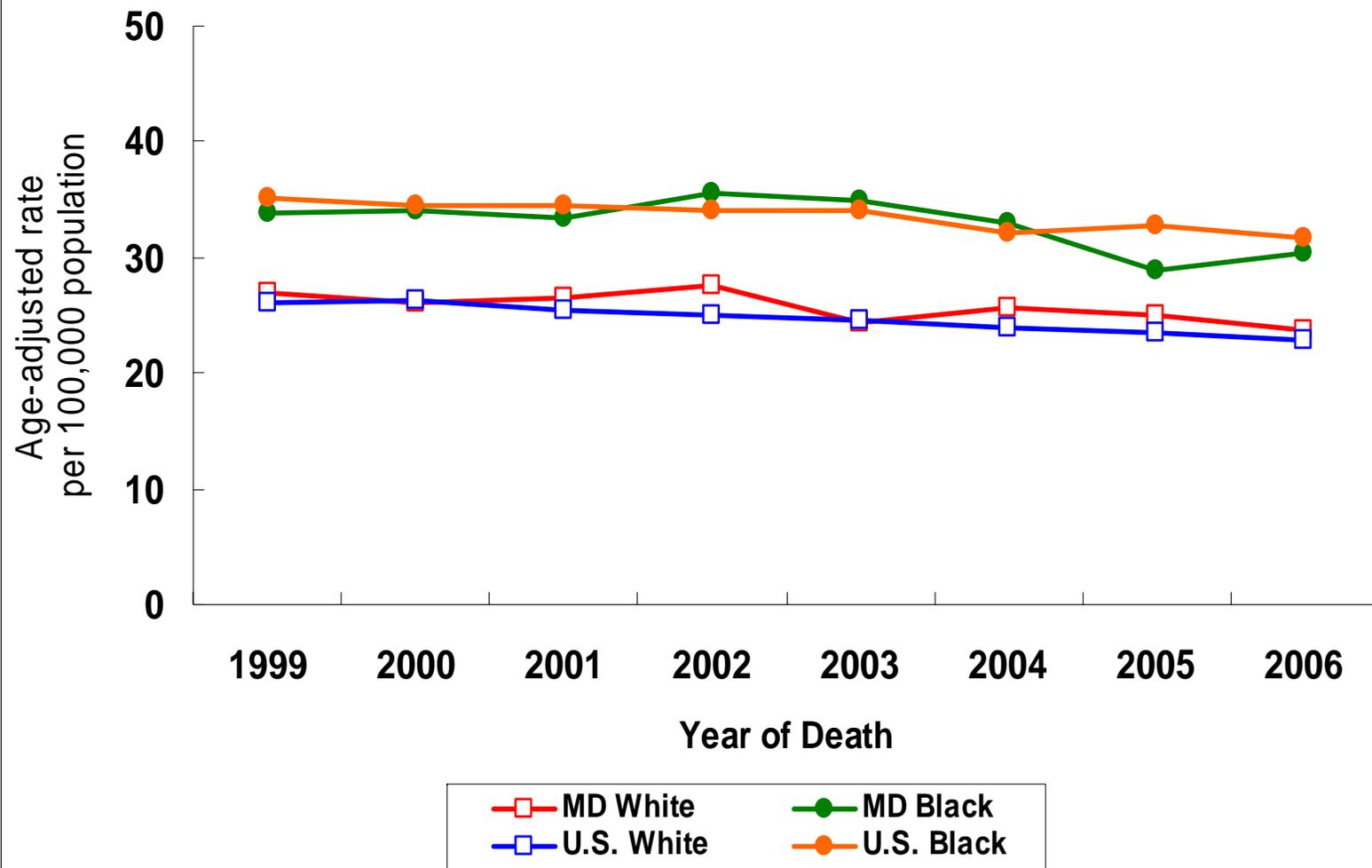
Figure 1. Female Breast Cancer Incidence and Mortality Rates by Year of Diagnosis or Death, Maryland and U.S., 1999-2006



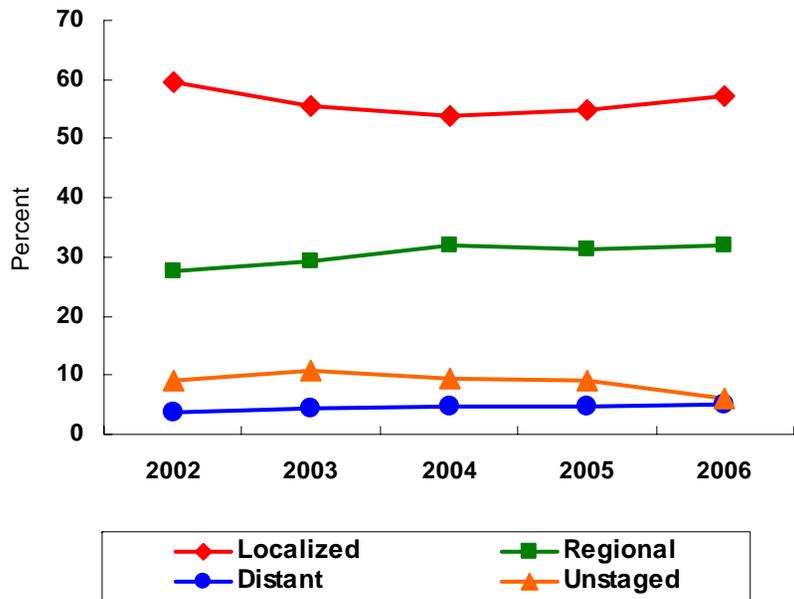
**Figure 2. Female Breast Cancer Incidence Rates by Race
Maryland and U.S., 1999-2006**



**Figure 3. Female Breast Cancer Mortality Rates by Race
Maryland and U.S., 1999-2006**



**Figure 4. Female Breast Cancer by Stage at Diagnosis
Maryland, 2002-2006**



**Figure 5. Female Breast Cancer by Stage at Diagnosis
U.S., 2002-2006**

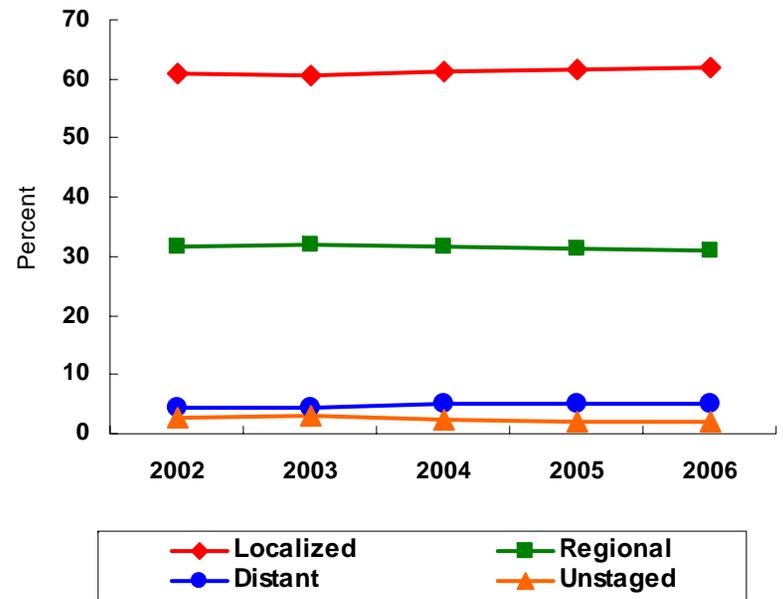
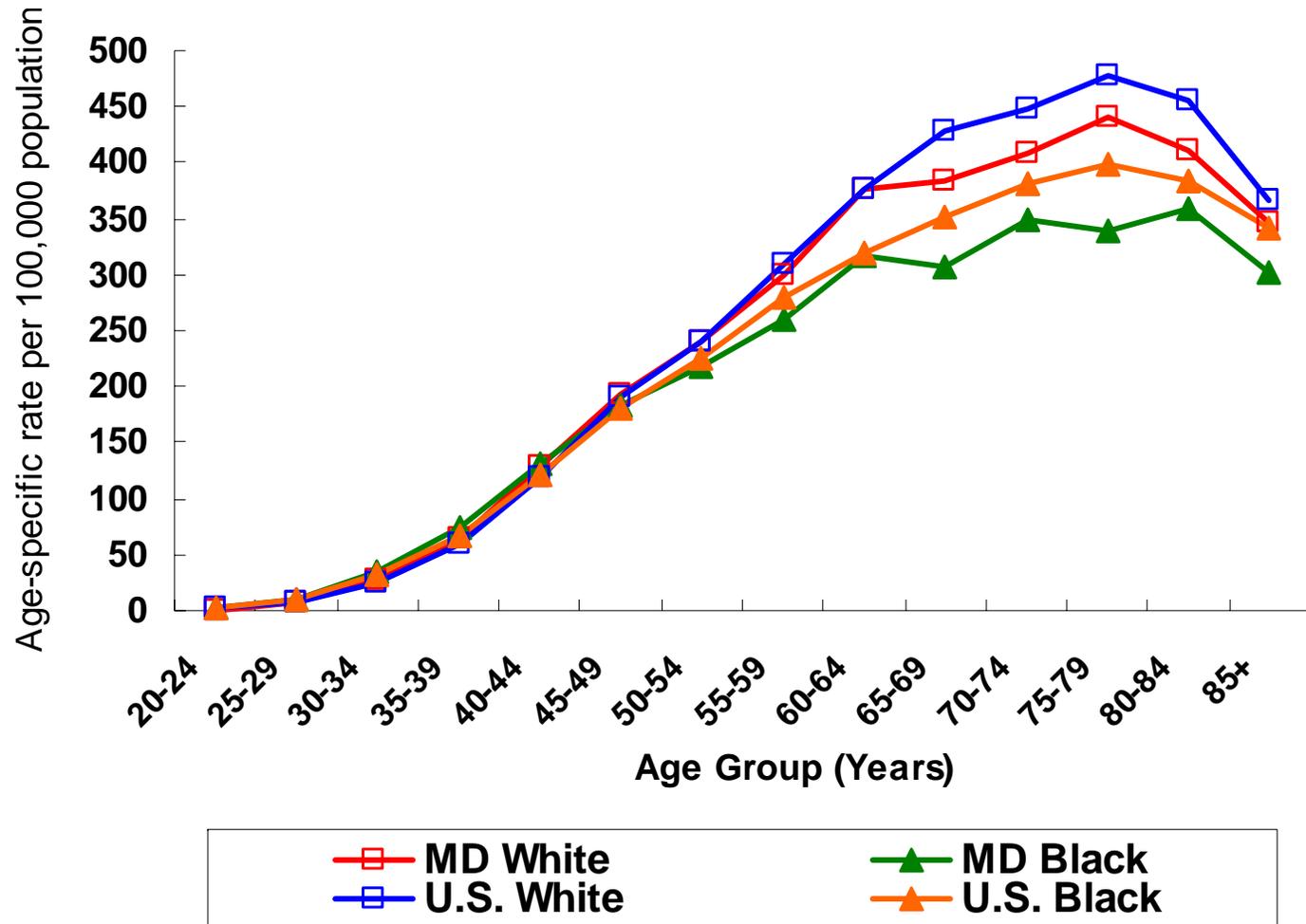
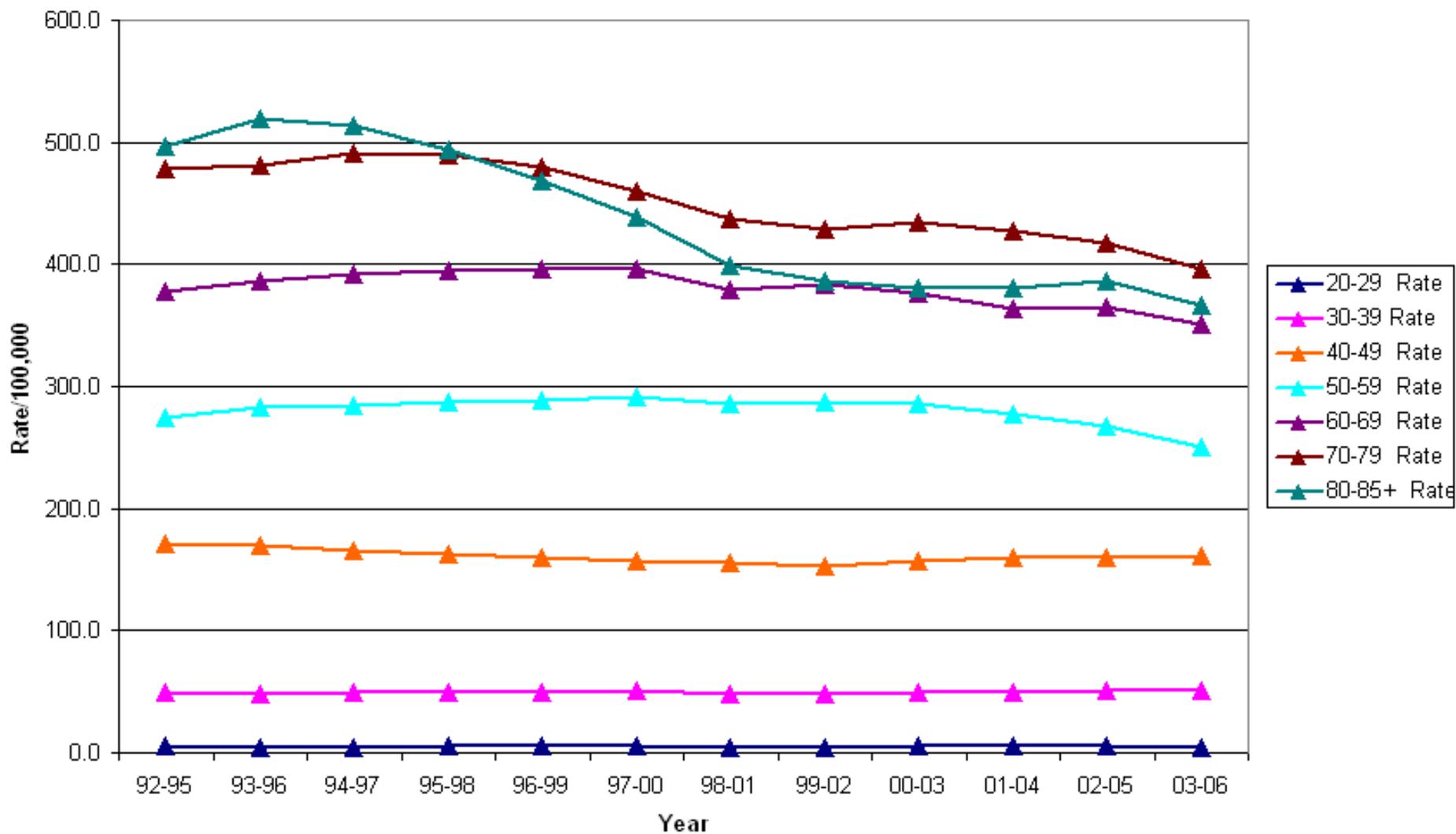


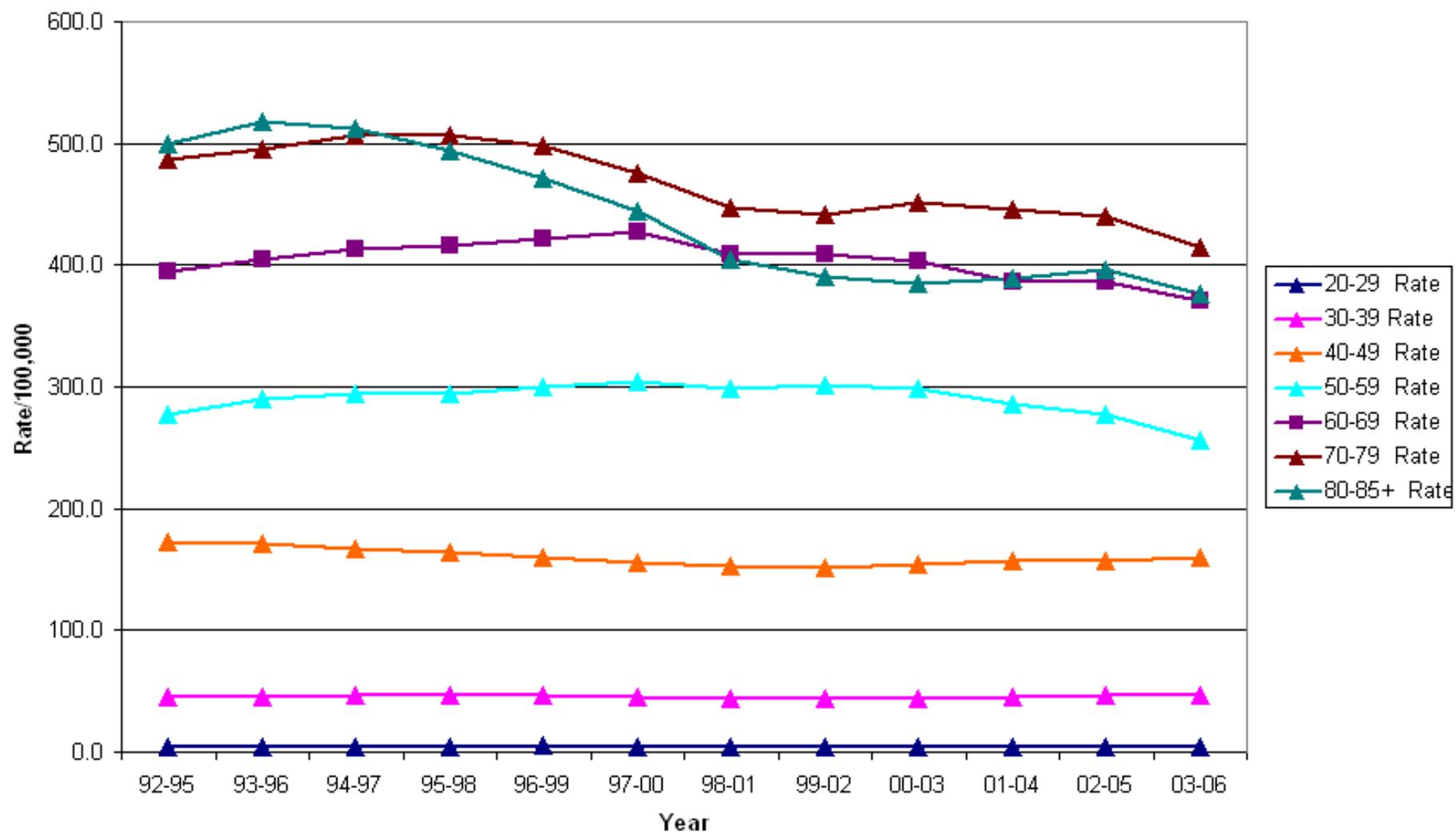
Figure 6. Female Breast Cancer Age-Specific Incidence Rates by Race, Maryland and U.S., 2002-2006



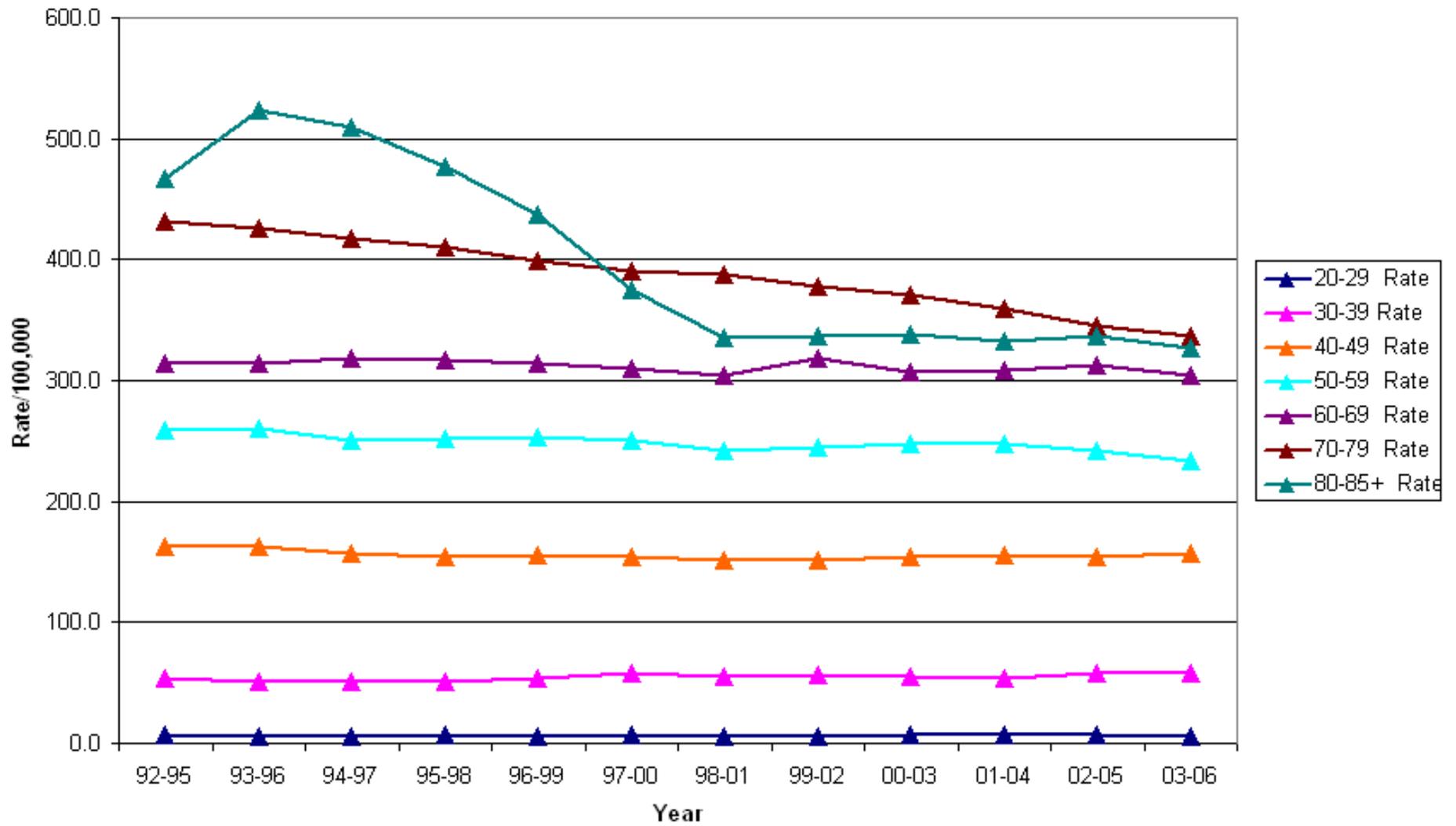
**4 Year Rolling Average Female Breast Cancer Age-specific Rates
All Races, Maryland 1992--2006**



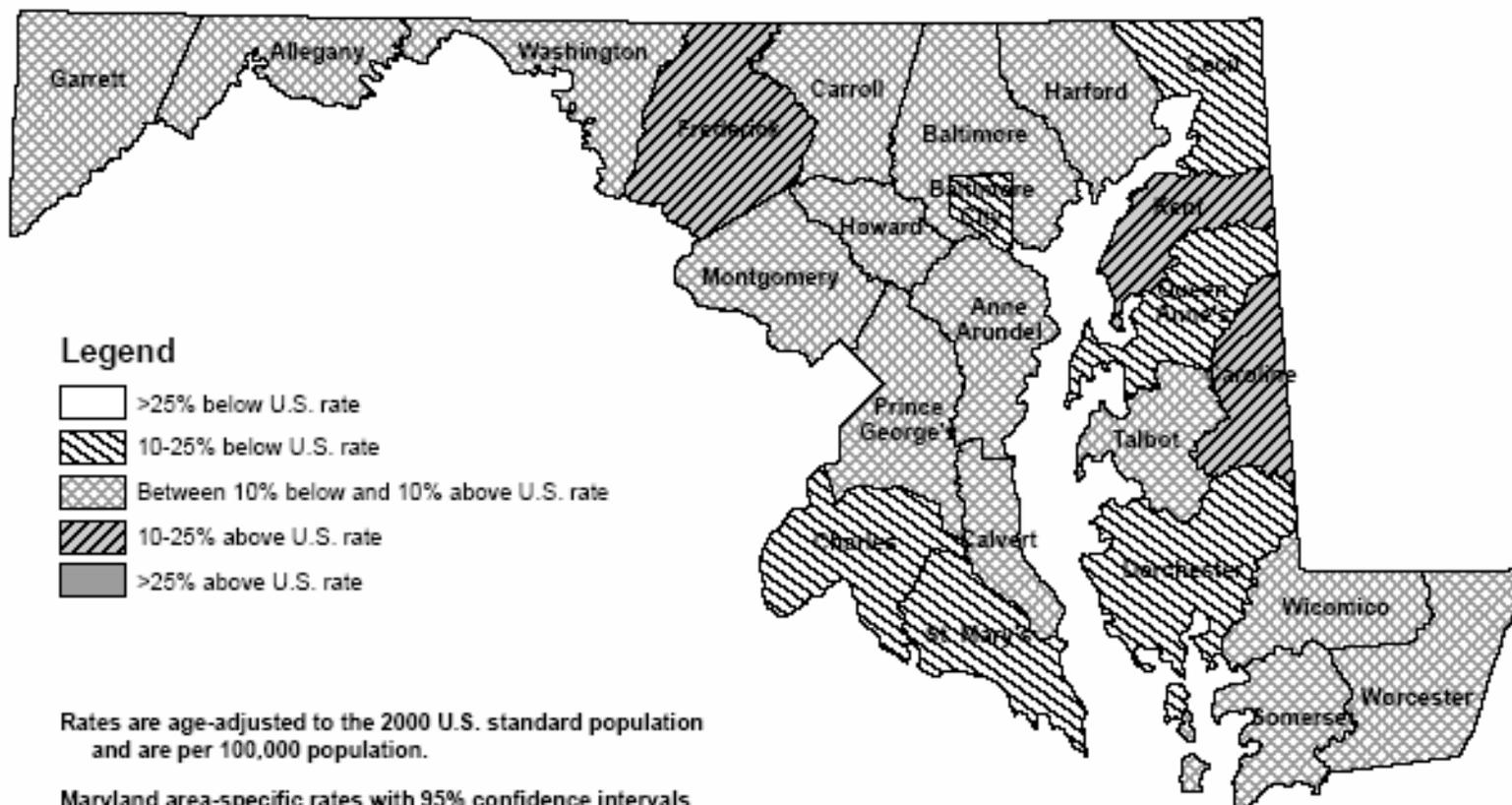
4 Year Rolling Average Female Breast Cancer Age-Specific Rates
White Females, Maryland 1992--2006



4 Year Rolling Average Breast Cancer Age-Specific Rates
Black Females, Maryland 1992--2006



Maryland Female Breast Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2002-2006



Legend

- >25% below U.S. rate
- 10-25% below U.S. rate
- Between 10% below and 10% above U.S. rate
- 10-25% above U.S. rate
- >25% above U.S. rate

Rates are age-adjusted to the 2000 U.S. standard population and are per 100,000 population.

Maryland area-specific rates with 95% confidence intervals are presented in Appendix H.

U.S. female breast cancer incidence rate, 2002-2006: 123.8

Source: MD incidence rates from Maryland Cancer Registry, 2002-2006
U.S. (SEER 17) rate from SEER*Stat Software

Female Breast Cancer Incidence
Age-Adjusted Incidence Rates
by Geographical Area, Maryland, 2002-2006

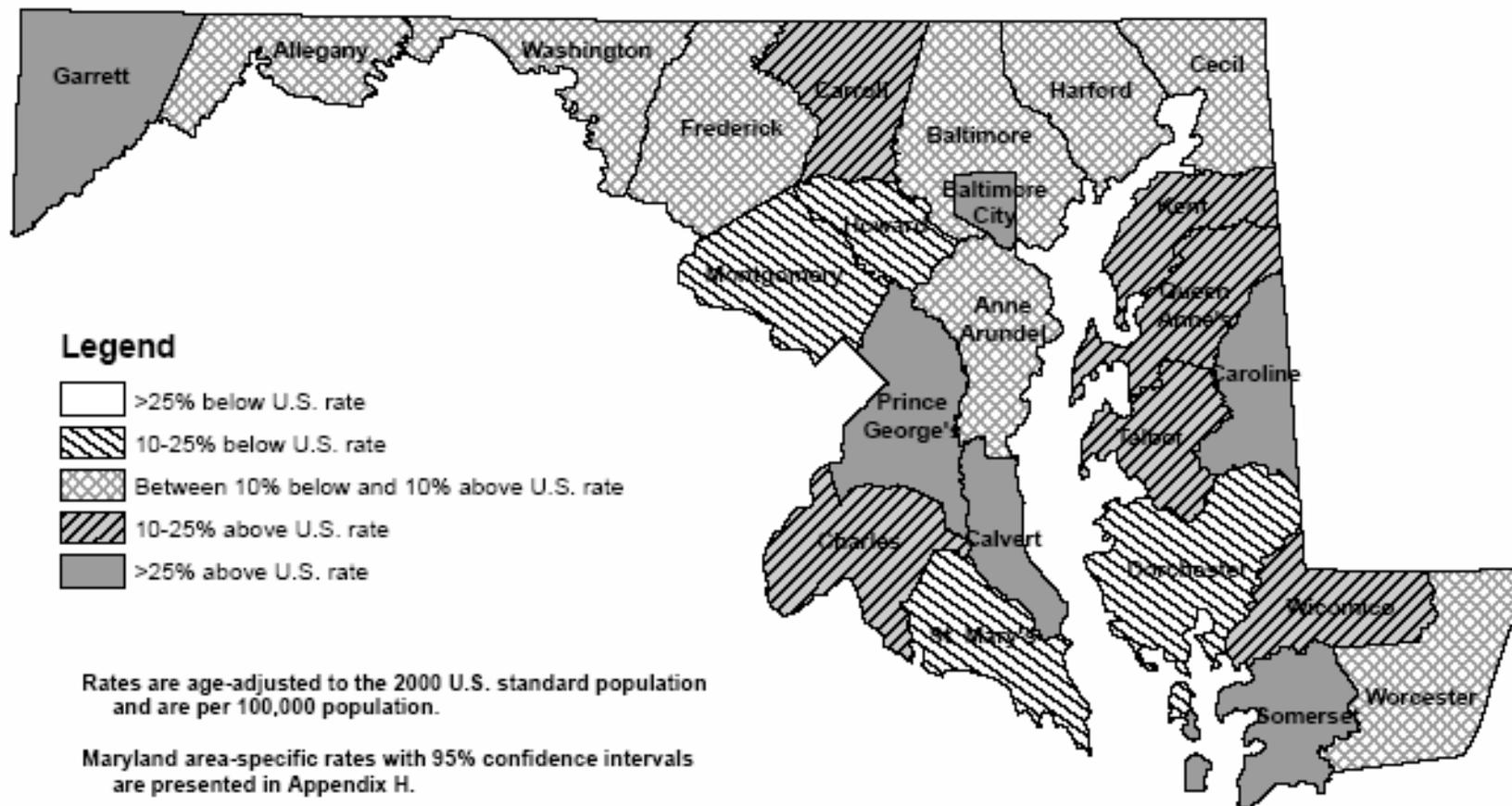
Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	124.0	122.3	125.8
Northwest Region	128.1	121.9	134.4
Allegany	118.4	104.5	133.7
Frederick	139.0	129.2	149.4
Garrett	125.6	103.8	150.9
Washington	119.1	108.5	130.4
Baltimore Metropolitan Area ^	129.2	126.2	132.2
Anne Arundel	123.7	117.8	129.9
Baltimore City	106.5	101.9	111.4
Baltimore County	134.7	130.0	139.4
Carroll	131.2	120.8	142.3
Harford	113.1	104.9	121.7
Howard	132.3	123.5	141.5
National Capital Area	124.2	121.0	127.4
Montgomery	129.4	125.1	133.8
Prince George's	117.1	112.4	121.9
Southern Region	109.8	102.4	117.7
Calvert	119.3	105.0	135.1
Charles	110.7	99.3	123.0
Saint Mary's	98.5	85.8	112.7
Eastern Shore Region	120.7	114.7	127.0
Caroline	145.5	121.2	173.4
Cecil	107.8	95.2	121.7
Dorchester	109.9	90.4	132.8
Kent	145.4	116.6	179.7
Queen Anne's	103.0	86.2	122.3
Somerset	111.6	87.5	140.5
Talbot	133.8	114.0	156.5
Wicomico	126.6	113.0	141.5
Worcester	124.4	107.9	142.8

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

^ Area rate does not include Baltimore City

Source: Maryland Cancer Registry (incidence rates)

Maryland Female Breast Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2002-2006



Source: MD and U.S. mortality rates from NCHS Compressed Mortality File in CDC WONDER

Female Breast Cancer Mortality
Age-Adjusted Mortality Rates
by Geographical Area, Maryland, 2002-2006

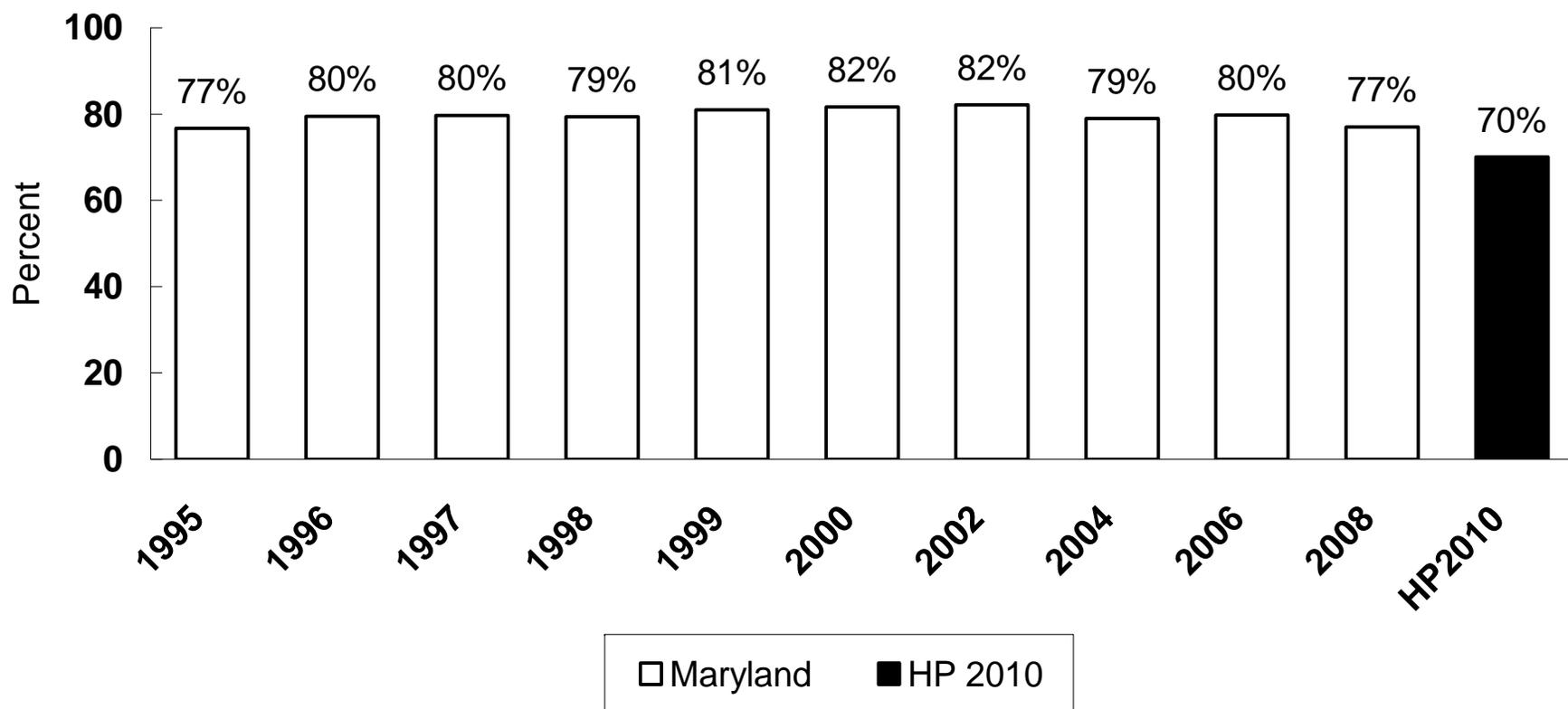
Geographical Area	Mortality Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	26.8	26.0	27.6
Northwest Region	25.9	23.2	28.6
Allegany	25.3	19.5	31.1
Frederick	24.5	20.3	28.7
Garrett	33.9	22.2	45.6
Washington	26.5	21.6	31.4
Baltimore Metropolitan Area ^	25.6	24.3	26.9
Anne Arundel	26.4	23.6	29.2
Baltimore City	33.1	30.5	35.7
Baltimore County	26.5	24.5	28.5
Carroll	27.0	22.2	31.8
Harford	24.6	20.7	28.5
Howard	20.5	16.9	24.1
National Capital Area	25.6	24.2	27.0
Montgomery	21.2	19.5	22.9
Prince George's	31.2	28.8	33.6
Southern Region	27.9	24.0	31.8
Calvert	34.1	26.1	42.1
Charles	29.2	23.1	35.3
Saint Mary's	20.0	14.0	26.0
Eastern Shore Region	27.2	24.4	30.0
Caroline	30.9	19.7	42.1
Cecil	26.1	19.7	32.5
Dorchester	19.1	10.9	27.3
Kent	27.3	16.1	38.5
Queen Anne's	27.2	18.2	36.2
Somerset	38.9	23.9	53.9
Talbot	27.1	18.6	35.6
Wicomico	30.2	23.5	36.9
Worcester	24.0	17.1	30.9

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

^ Area rate does not include Baltimore City

Source: NCHS Compressed Mortality File in CDC WONDER (mortality rates)

Figure 7. Percentage of Maryland Women Age 40 Years and Older Having a Mammogram within Past 2 Years, 1995 - 2008 Compared to Healthy People 2010 Target



**Number of people targeted or reached
with education or outreach about Breast Cancer - MD
Cigarette Restitution Fund (CRF) Program, 2004-2008**

Audience	Individual/Group meetings, lectures	Media (mailings, flyers, print, TV...) impressions
General Public	184,834	28,552,075
Health Care Professionals	10,439	27,806
Trainers/ Educators	1,488	1,746
Total	196,761	28,581,627

Source: DHMH, CCSC, Education Database (EDB), as of 9/29/2009