

# Colorectal Cancer Successes in Maryland

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Maryland Dept. of Health and Mental Hygiene

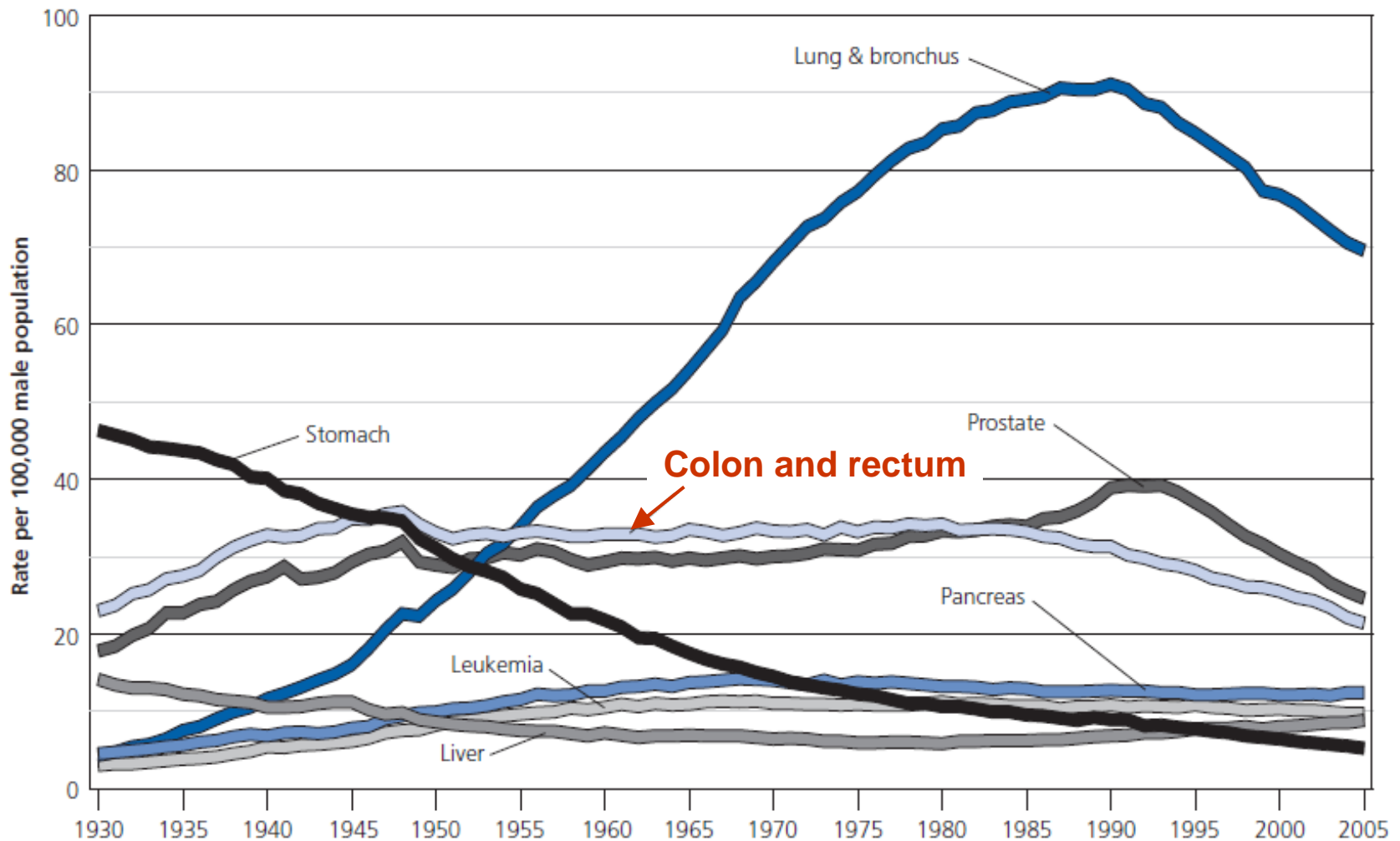
June 4, 2009

# Colorectal Cancer Successes in Maryland, 2000-2009

- **Incidence and Mortality** **Down**
- **Racial Disparity** **Down**
- **Stage of CRC at diagnosis** **Earlier stage**
- **CRC Screening** **Up**
- **Public Health CRC screening** **Up  
& Successful !**

# Colorectal Cancer Mortality Rates

## Age-adjusted Cancer Death Rates,\* Males by Site, US, 1930-2005

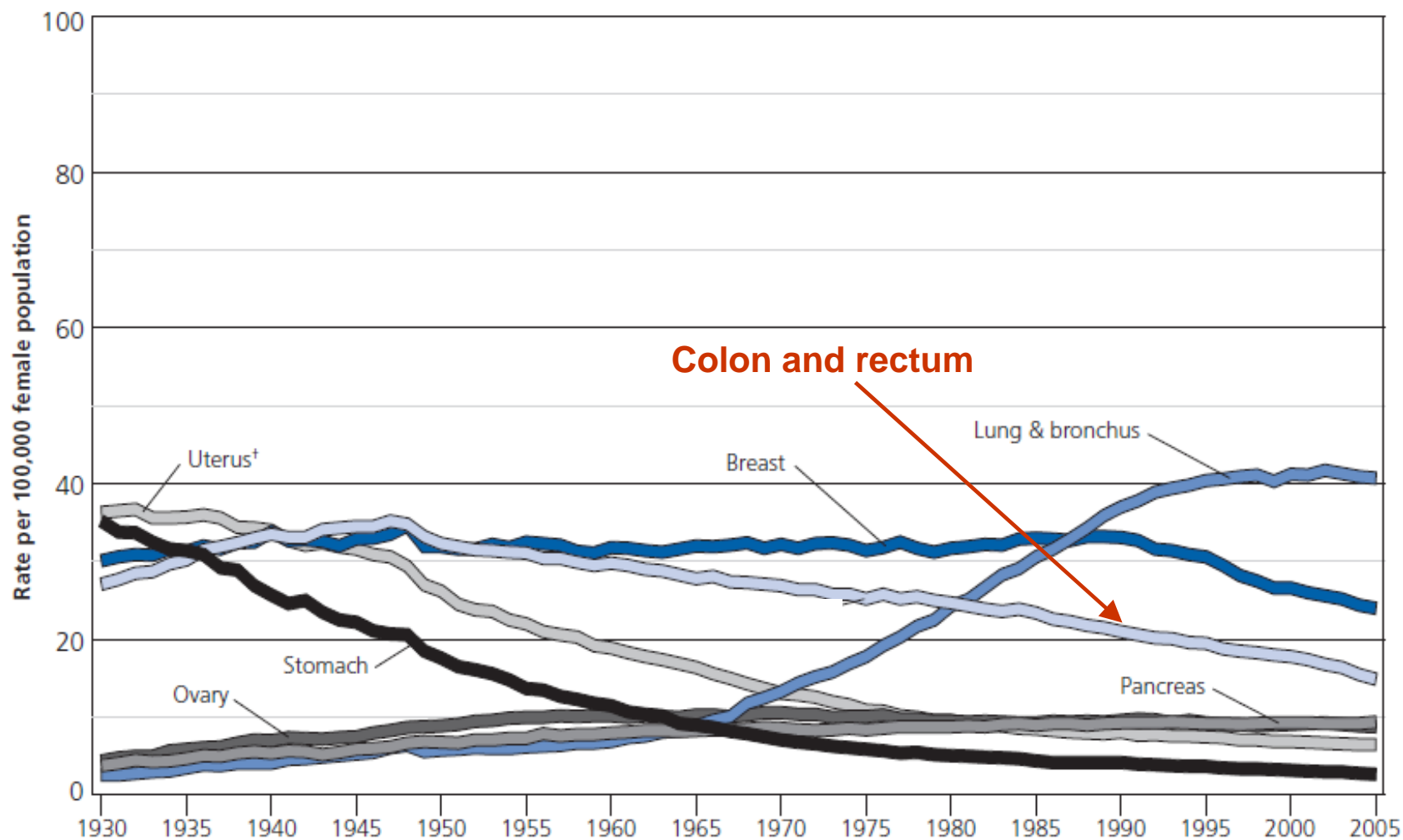


\*Per 100,000, age adjusted to the 2000 US standard population.

**Note:** Due to changes in ICD coding, numerator information has changed over time. Rates for cancer of the liver, lung and bronchus, and colon and rectum are affected by these coding changes.

**Source:** US Mortality Data, 1960 to 2005, US Mortality Volumes, 1930 to 1959, National Center for Health Statistics, Centers for Disease Control and Prevention. 2008.

## Age-adjusted Cancer Death Rates,\* Females by Site, US, 1930-2005

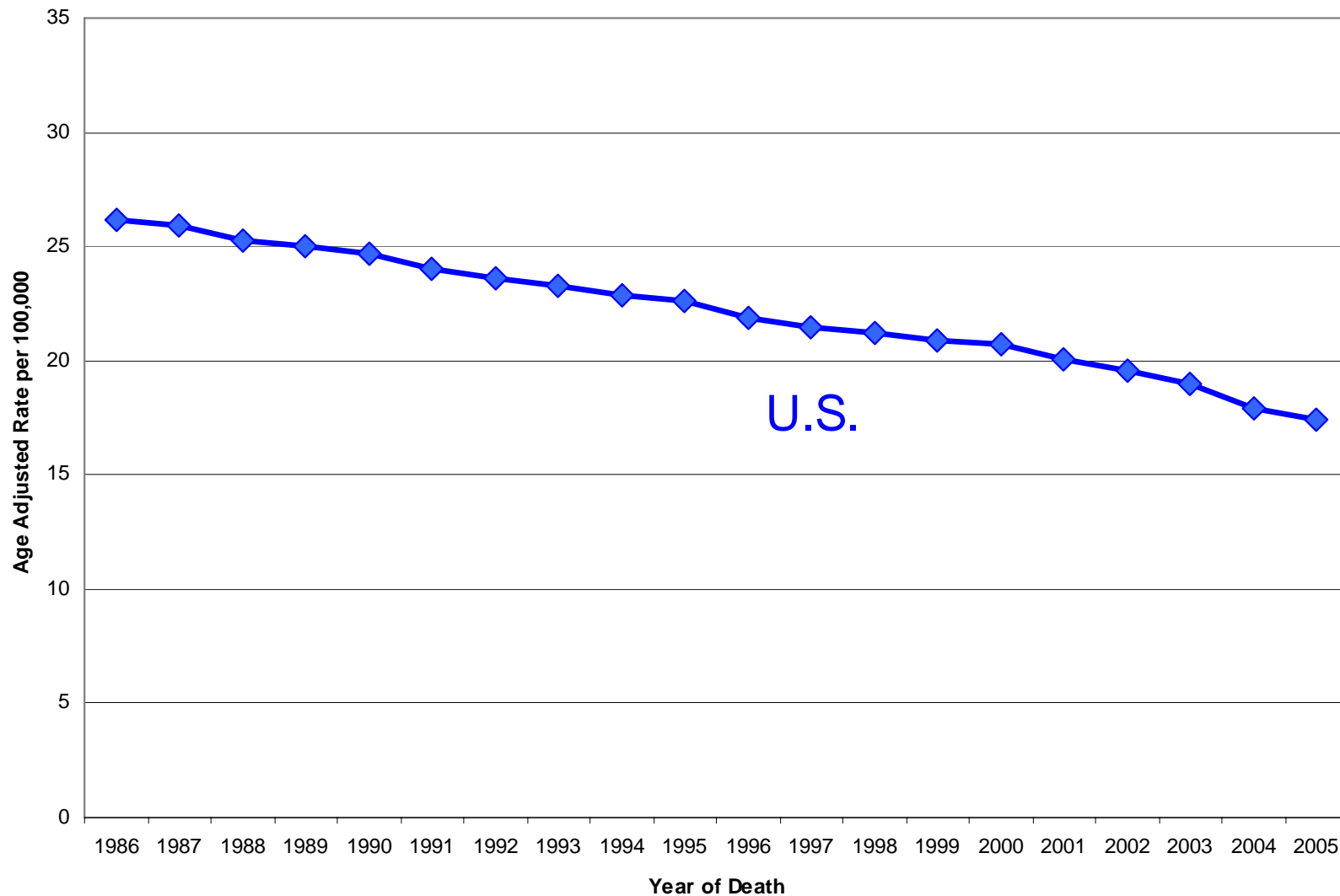


\*Per 100,000, age adjusted to the 2000 US standard population. †Uterus cancer death rates are for uterine cervix and uterine corpus combined.

**Note:** Due to changes in ICD coding, numerator information has changed over time. Rates for cancer of the lung and bronchus, colon and rectum, and ovary are affected by these coding changes.

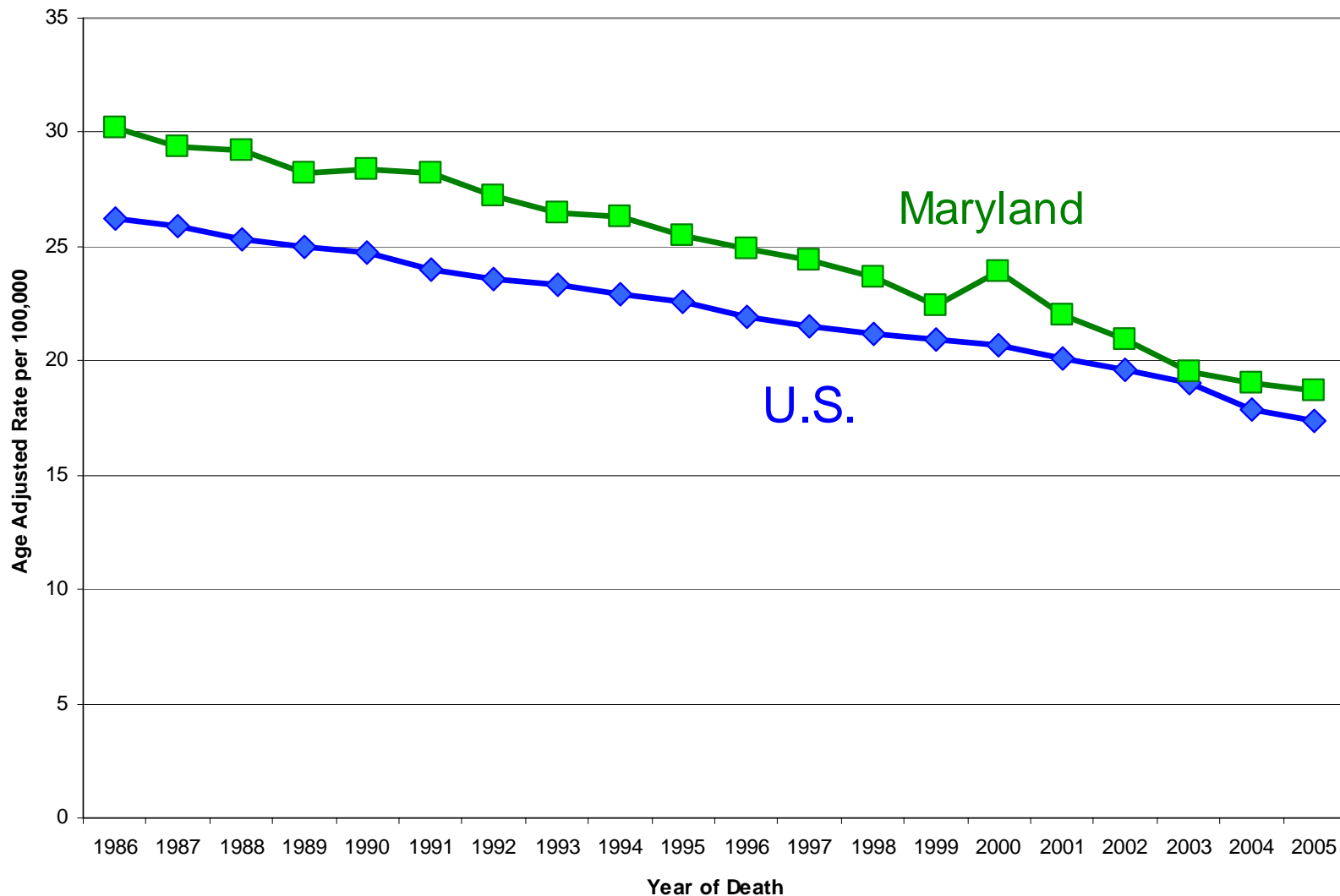
**Source:** US Mortality Data, 1960 to 2005, US Mortality Volumes, 1930 to 1959, National Center for Health Statistics, Centers for Disease Control and Prevention, 2008.

# Colorectal Cancer Mortality Rates U.S. and Maryland 1986-2005



Source: [statecancerprofiles.cancer.gov](http://statecancerprofiles.cancer.gov)

# Colorectal Cancer Mortality Rates U.S. and Maryland 1986-2005

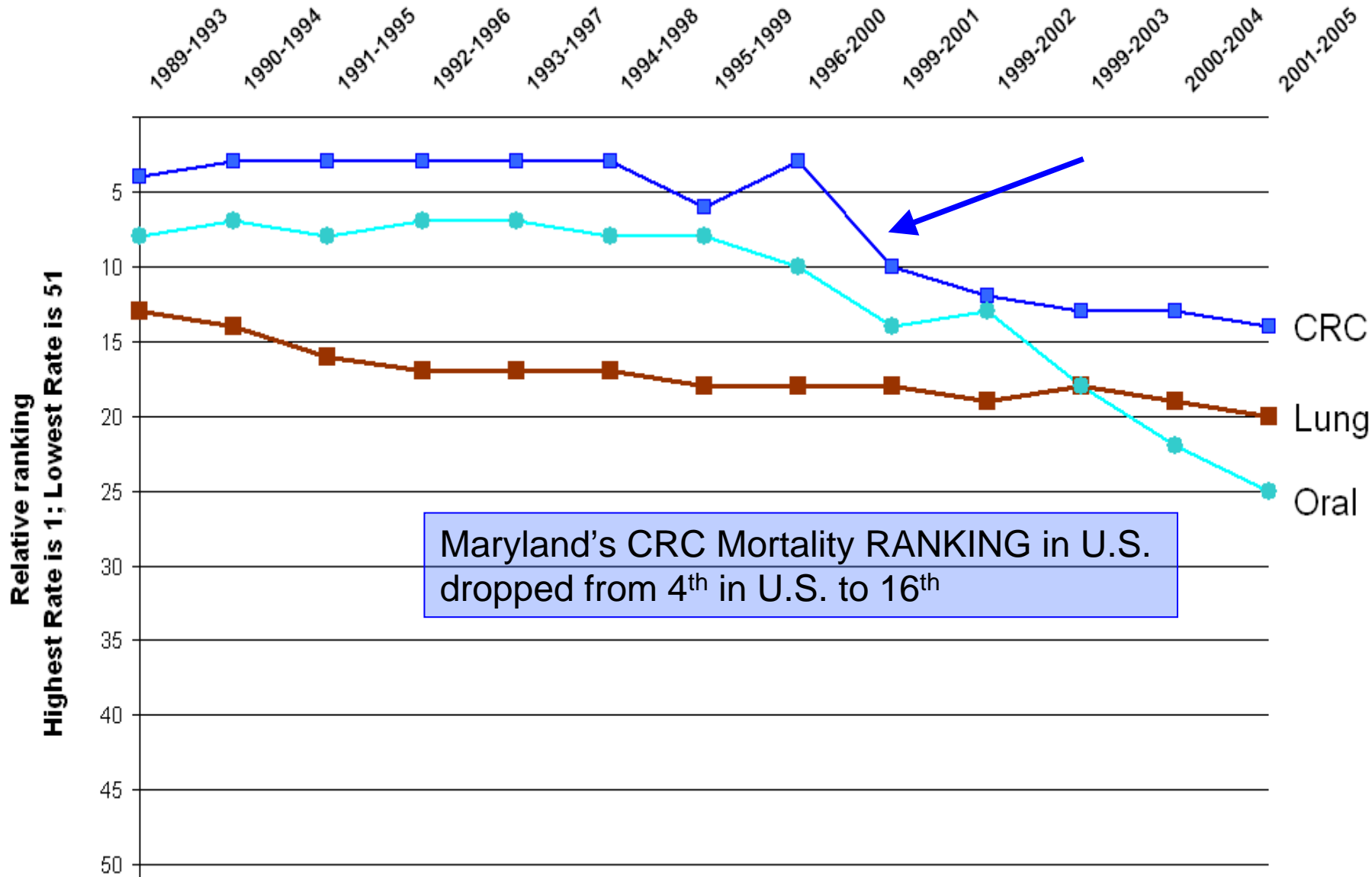


Source: [statecancerprofiles.cancer.gov](http://statecancerprofiles.cancer.gov)

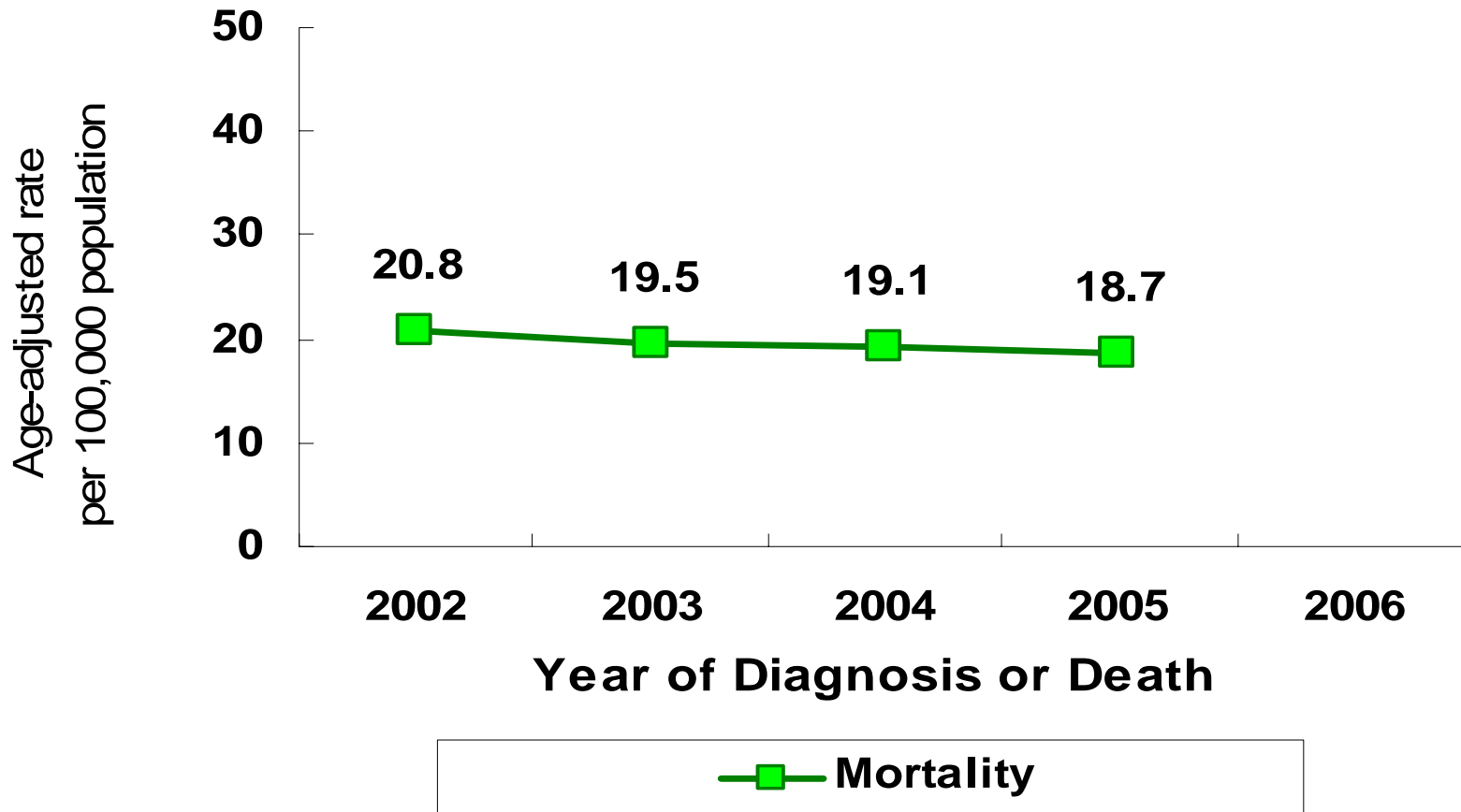
# Colorectal Cancer Mortality Ranking in US



## Maryland Mortality Ranking in US Rolling Five Year Rates by Cancer Site

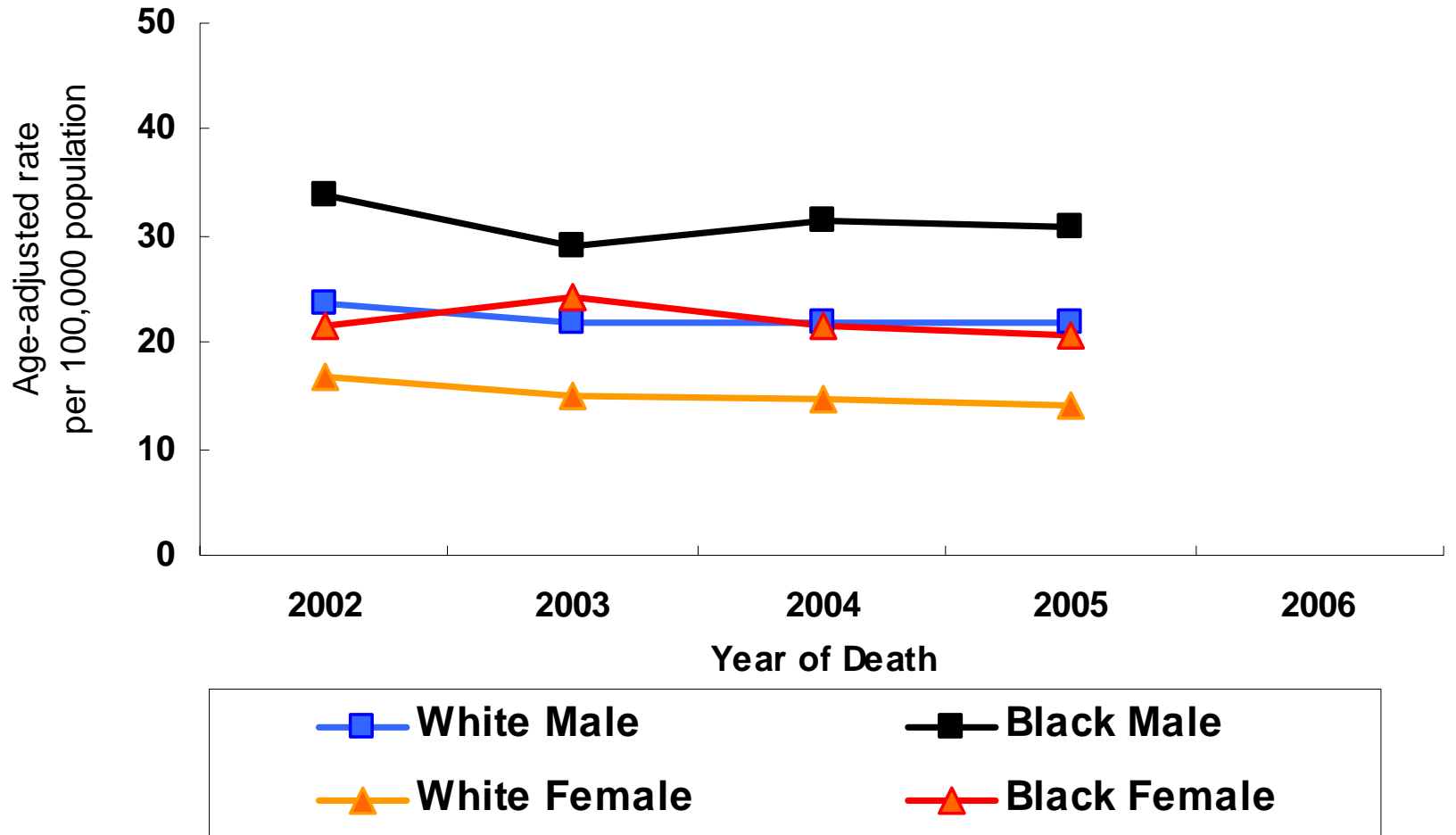


## Colorectal Cancer Mortality Rates by Year of Death, Maryland 2002-2006



Rates are age-adjusted to 2000 U.S. standard population  
Maryland Cancer Registry, 2002-2006  
NCHS Compressed Mortality File in CDC WONDER, 2002- 2005

## Colorectal Cancer Mortality Rates by Race and Gender Maryland, 2002-2006

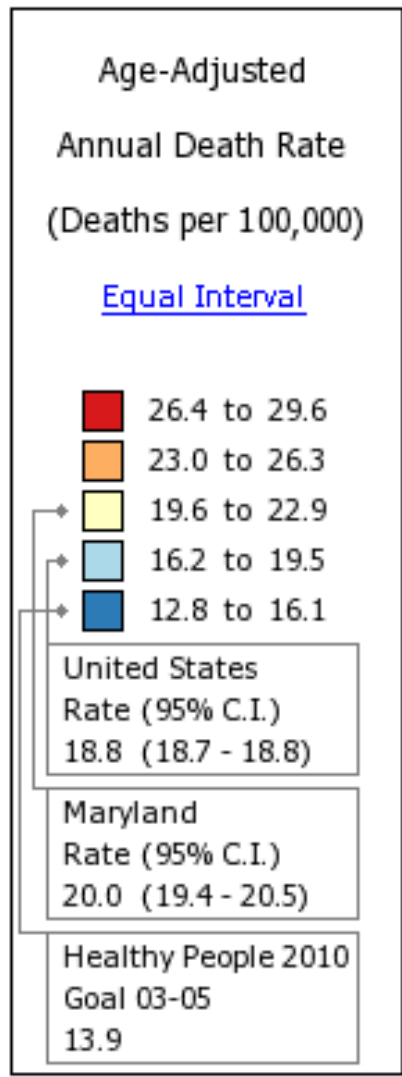
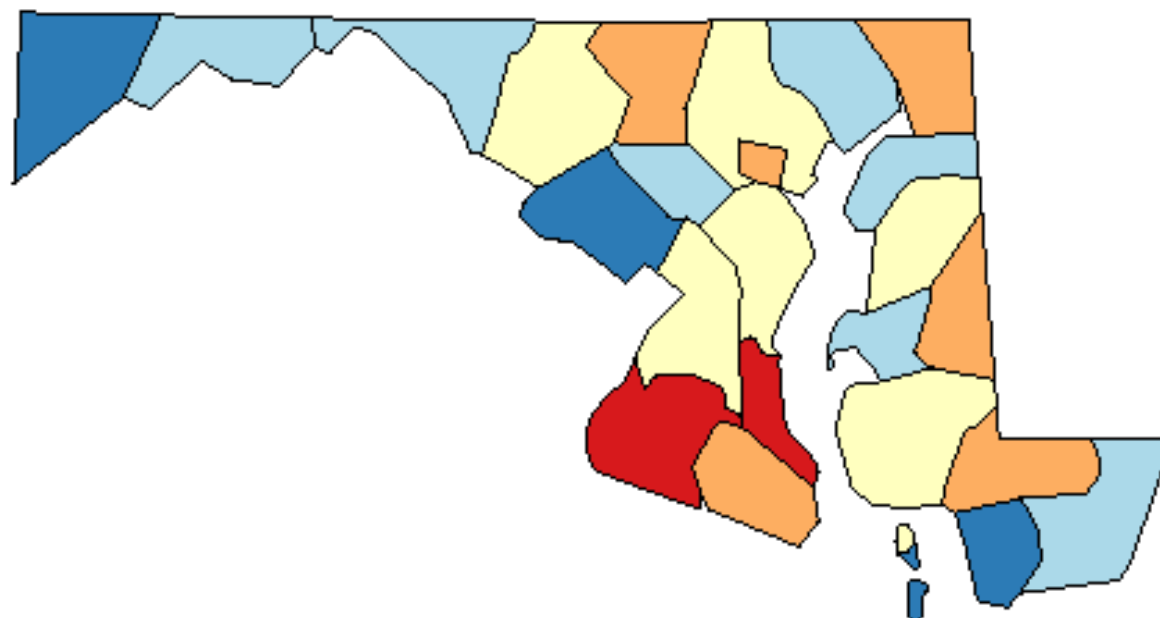


Rates are age-adjusted to 2000 U.S. standard population  
NCHS Compressed Mortality File in CDC WONDER, 2002-2005

# Age-Adjusted Death Rates for Maryland, 2001 - 2005

## Colon & Rectum

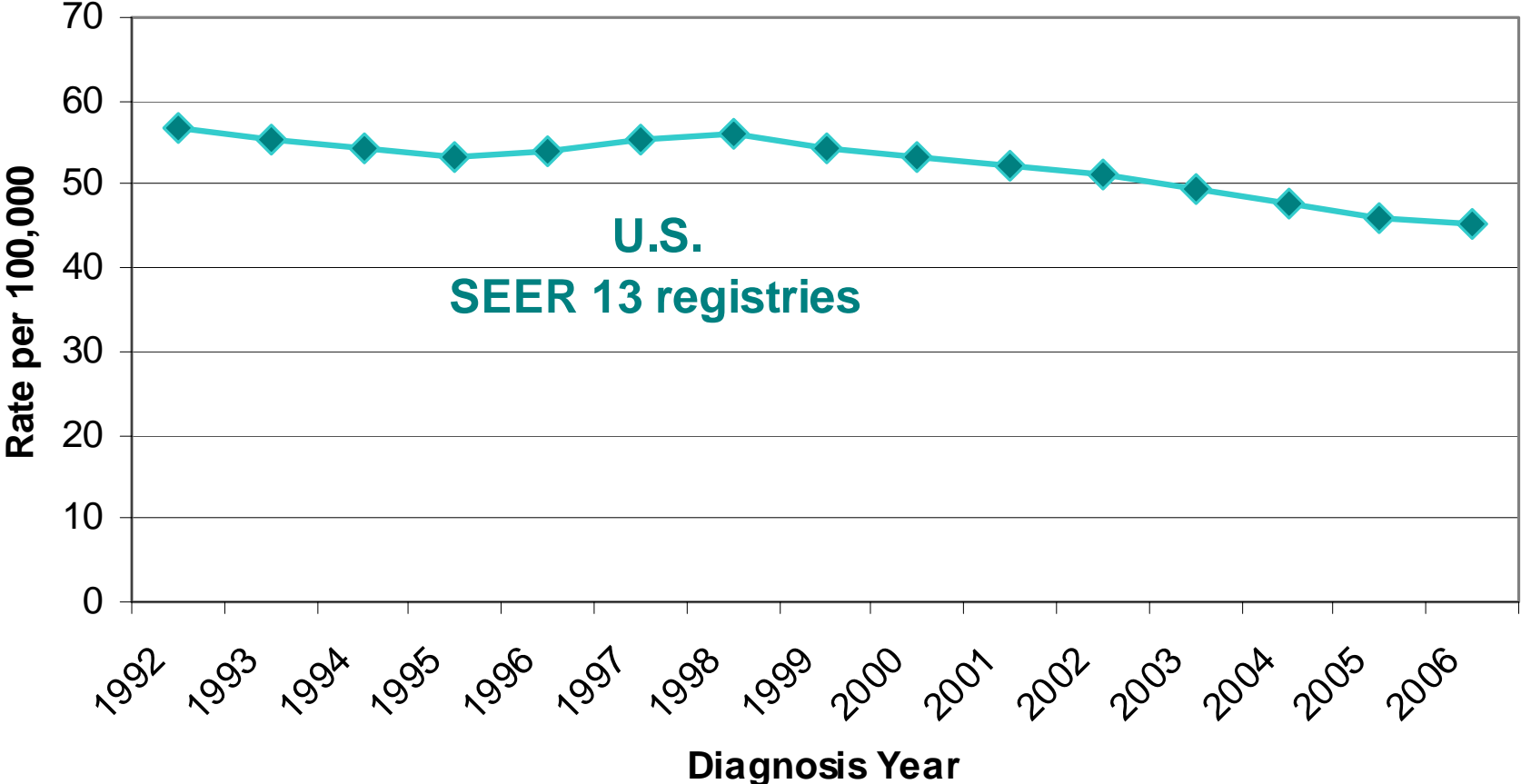
### All Races (includes Hispanic), Both Sexes, All Ages



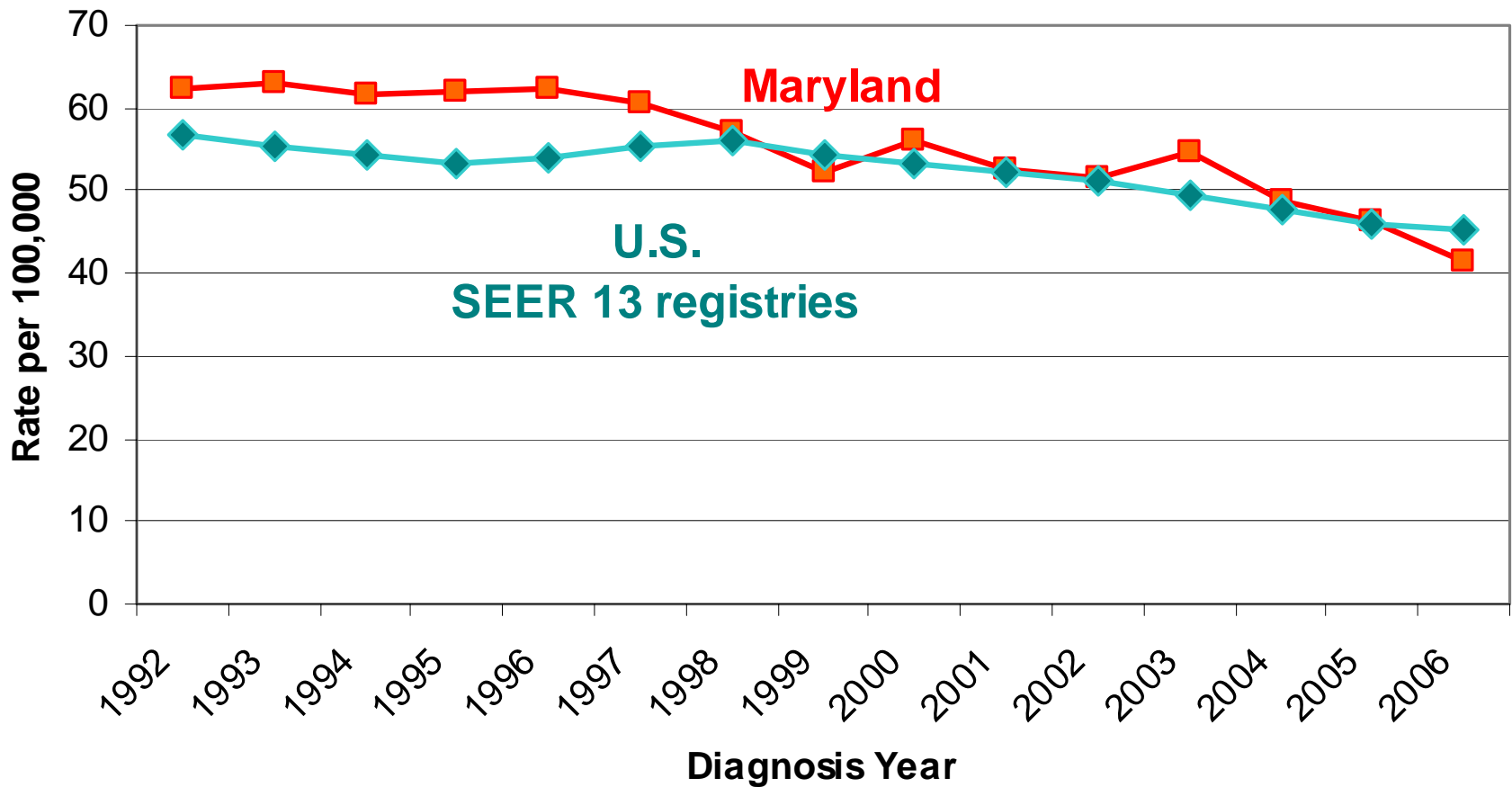
Source: [statecancerprofiles.cancer.gov](http://statecancerprofiles.cancer.gov)

# Colorectal Cancer Incidence Rates

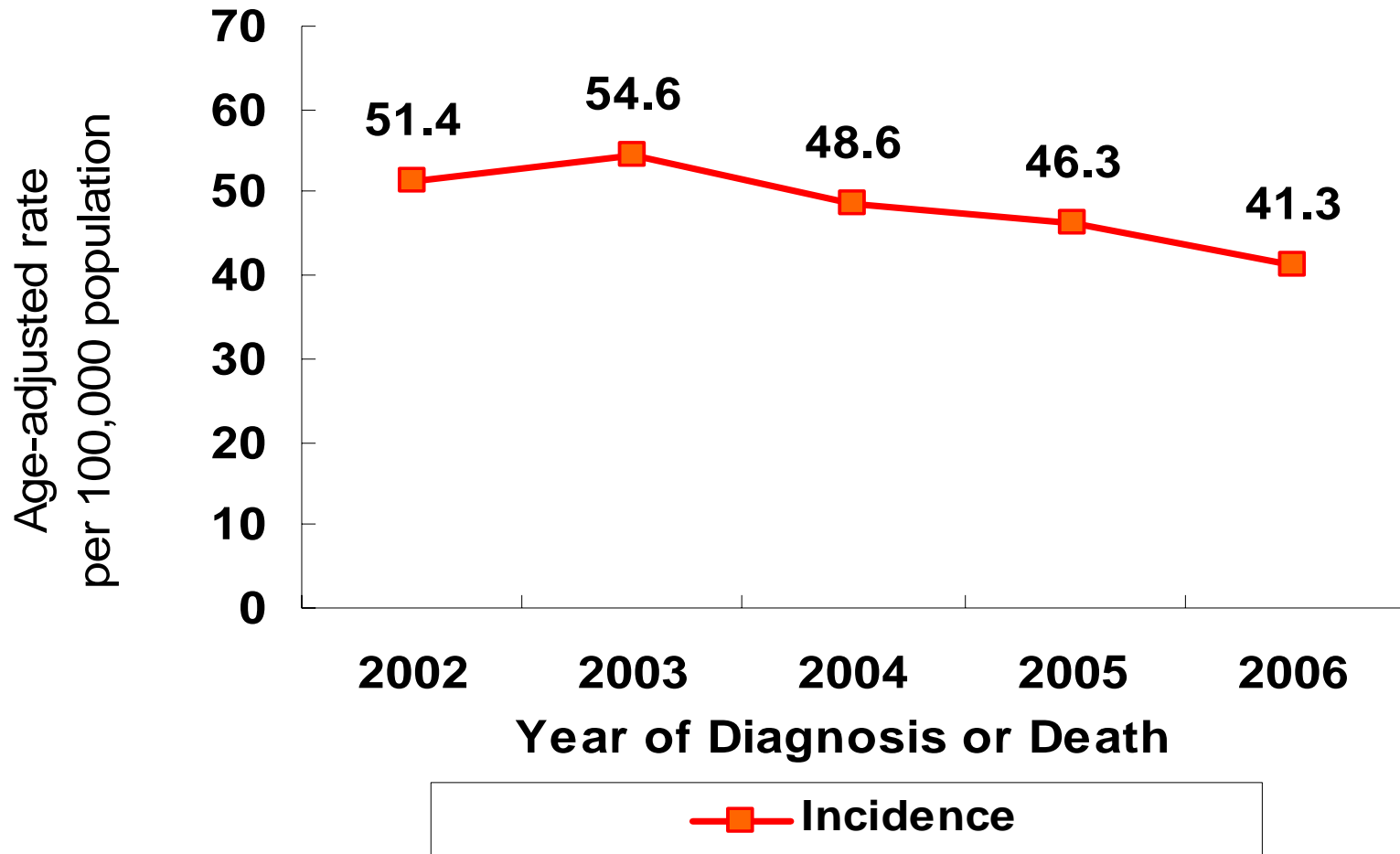
# Colorectal Cancer Incidence Rates U.S. (SEER 13 Registries) and Maryland, 1992-2006



# Colorectal Cancer Incidence Rates U.S. (SEER 13 Registries) and Maryland, 1992-2006



# Colorectal Cancer Incidence Rates by Year of Diagnosis, Maryland 2002-2006



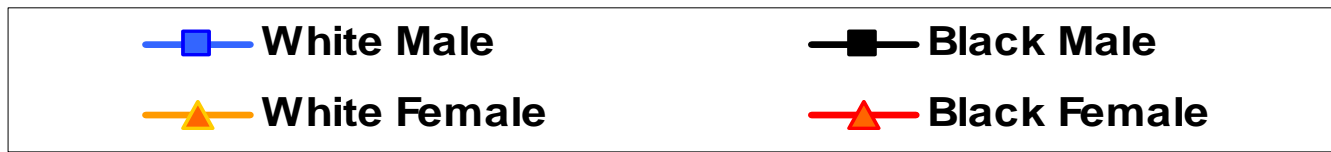
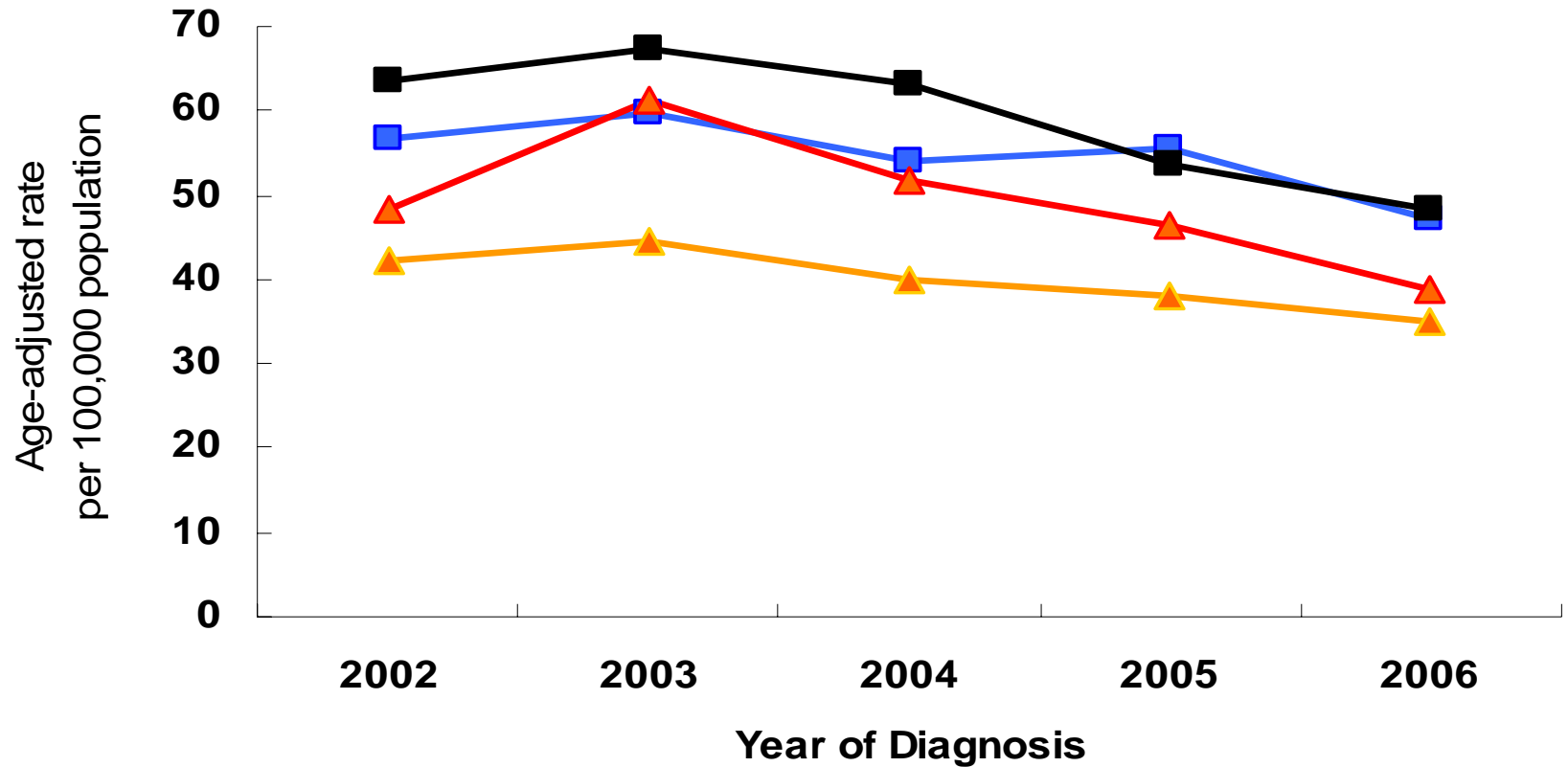
Rates are age-adjusted to 2000 U.S. standard population

Maryland Cancer Registry, 2002-2006

NCHS Compressed Mortality File in CDC WONDER, 2002- 2005



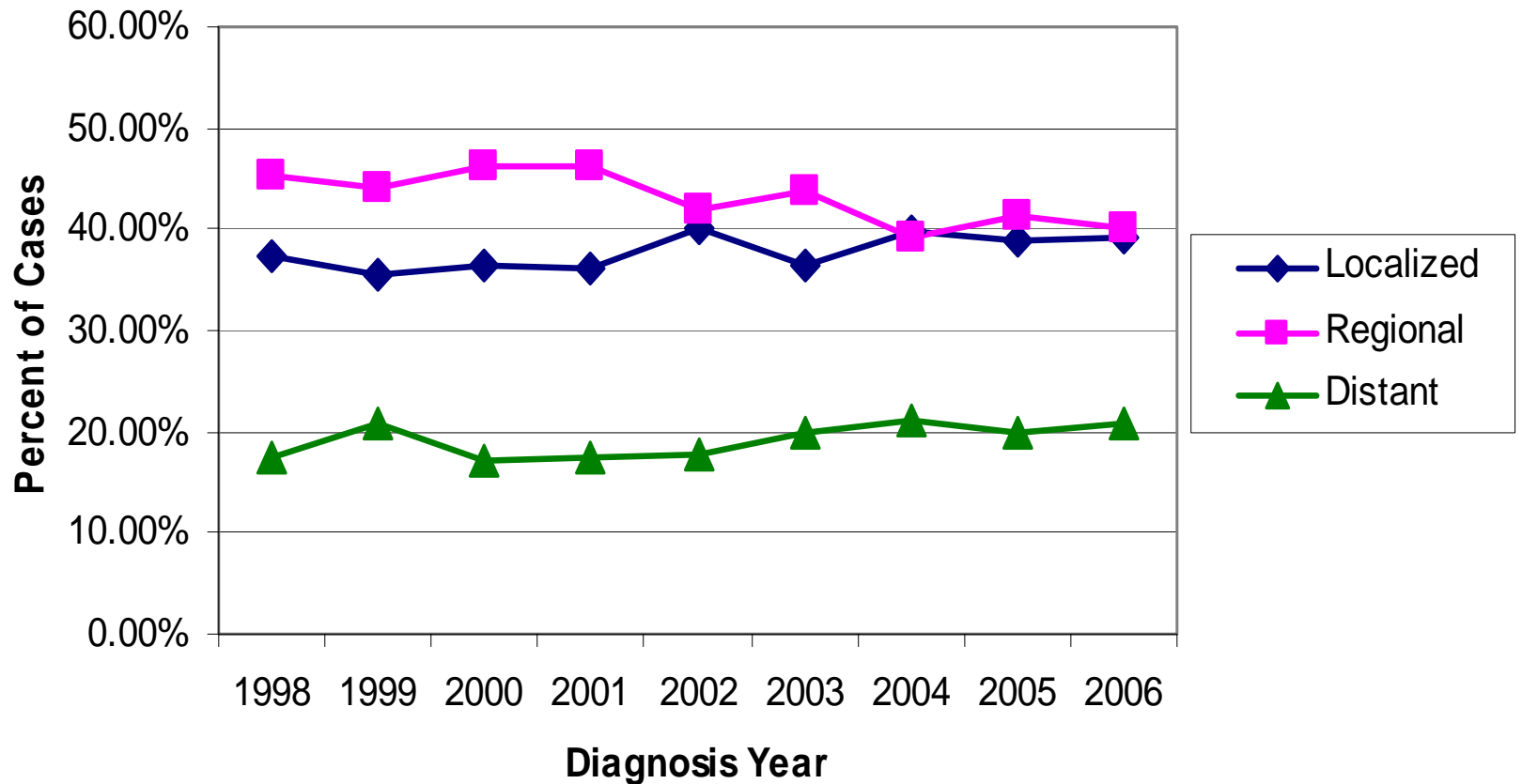
## Colorectal Cancer Incidence Rates by Race and Gender Maryland, 2002-2006



Rates are age-adjusted to 2000 U.S. standard population  
Maryland Cancer Registry, 2002-2006

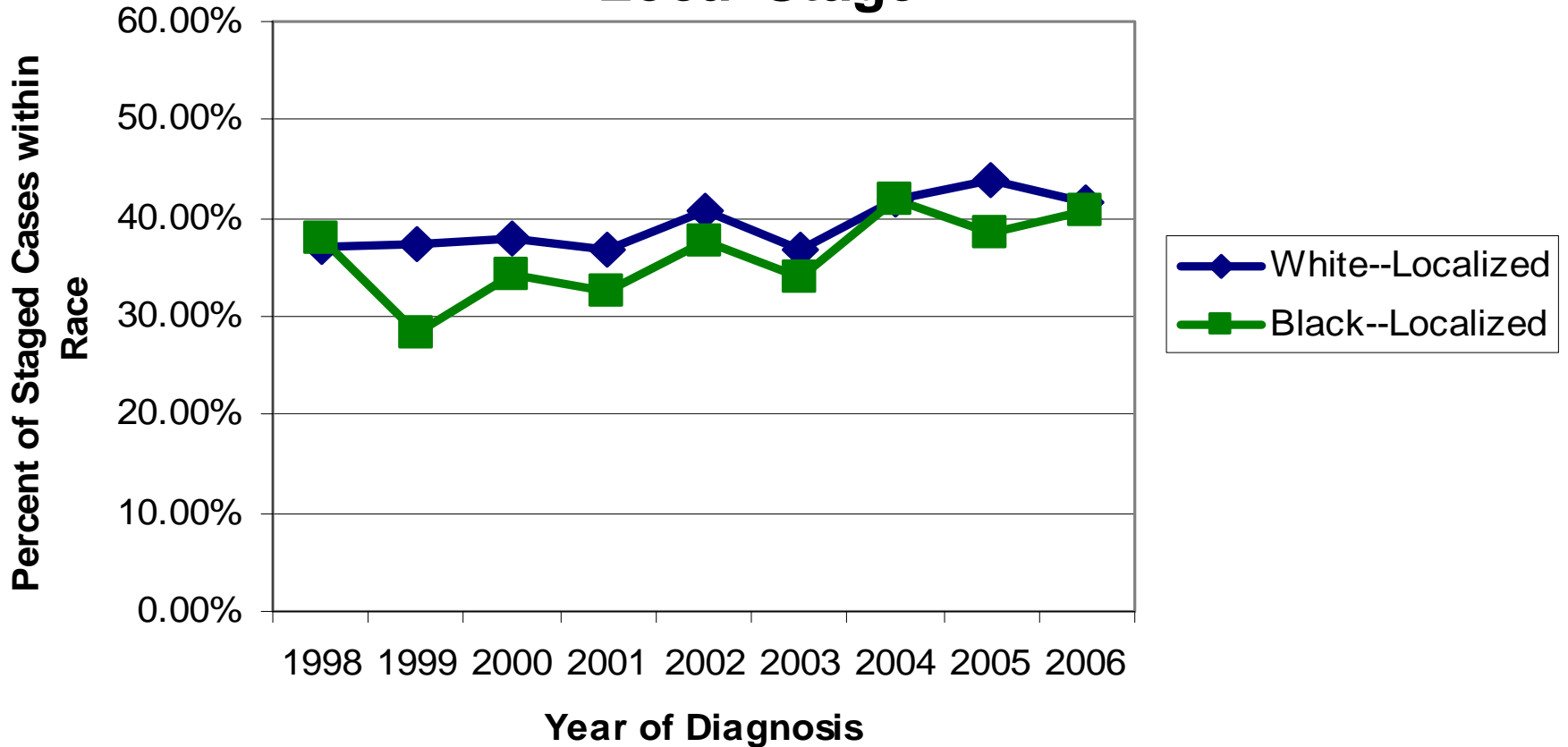
# Colorectal Cancer Stage at Diagnosis

## Percent of Invasive Colorectal Cancer among Those Staged, by Year of Diagnosis, Maryland 1998--2006

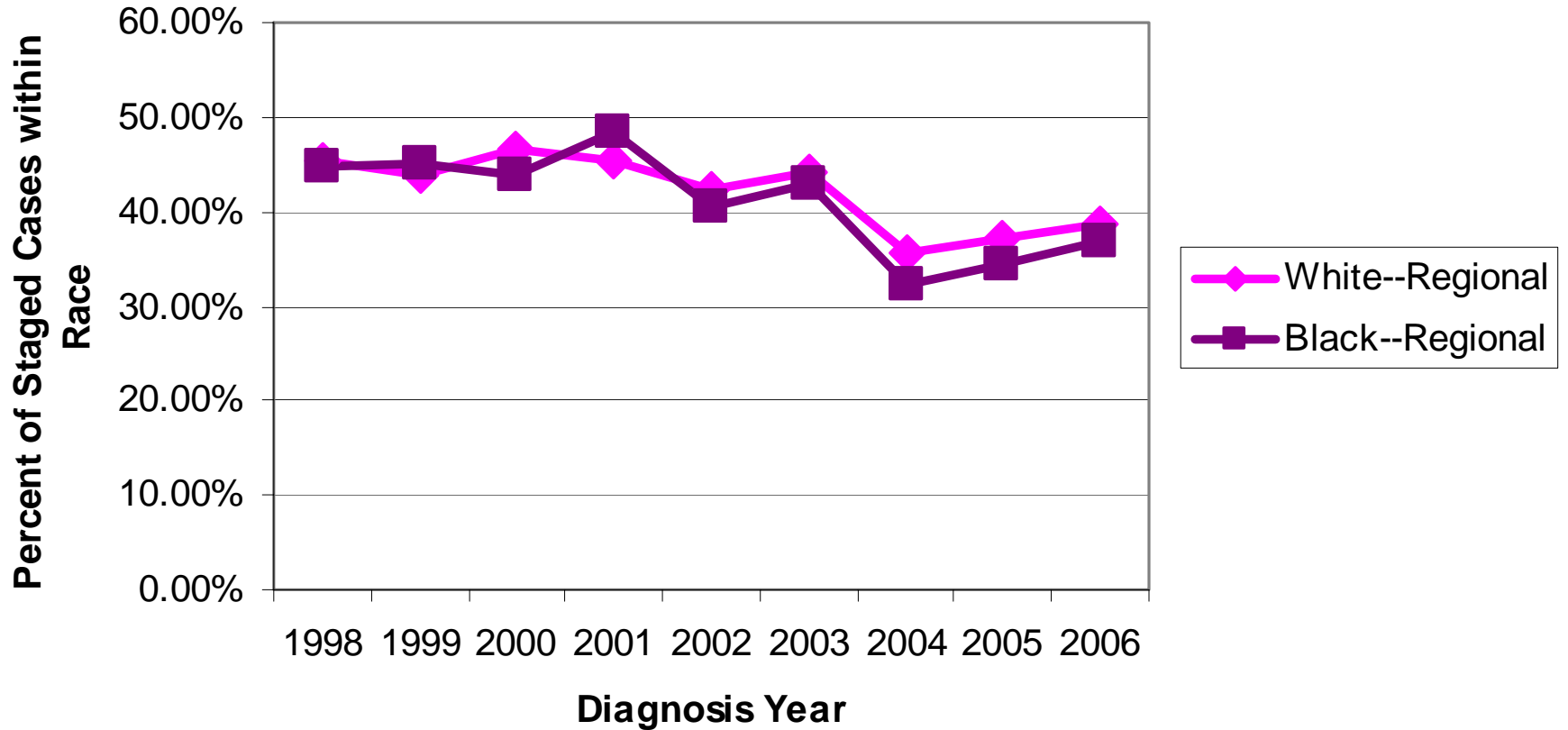


# Percent of Invasive Colorectal Cancer among Those Staged, Stage by Year of Diagnosis by Race, Maryland

## Local Stage

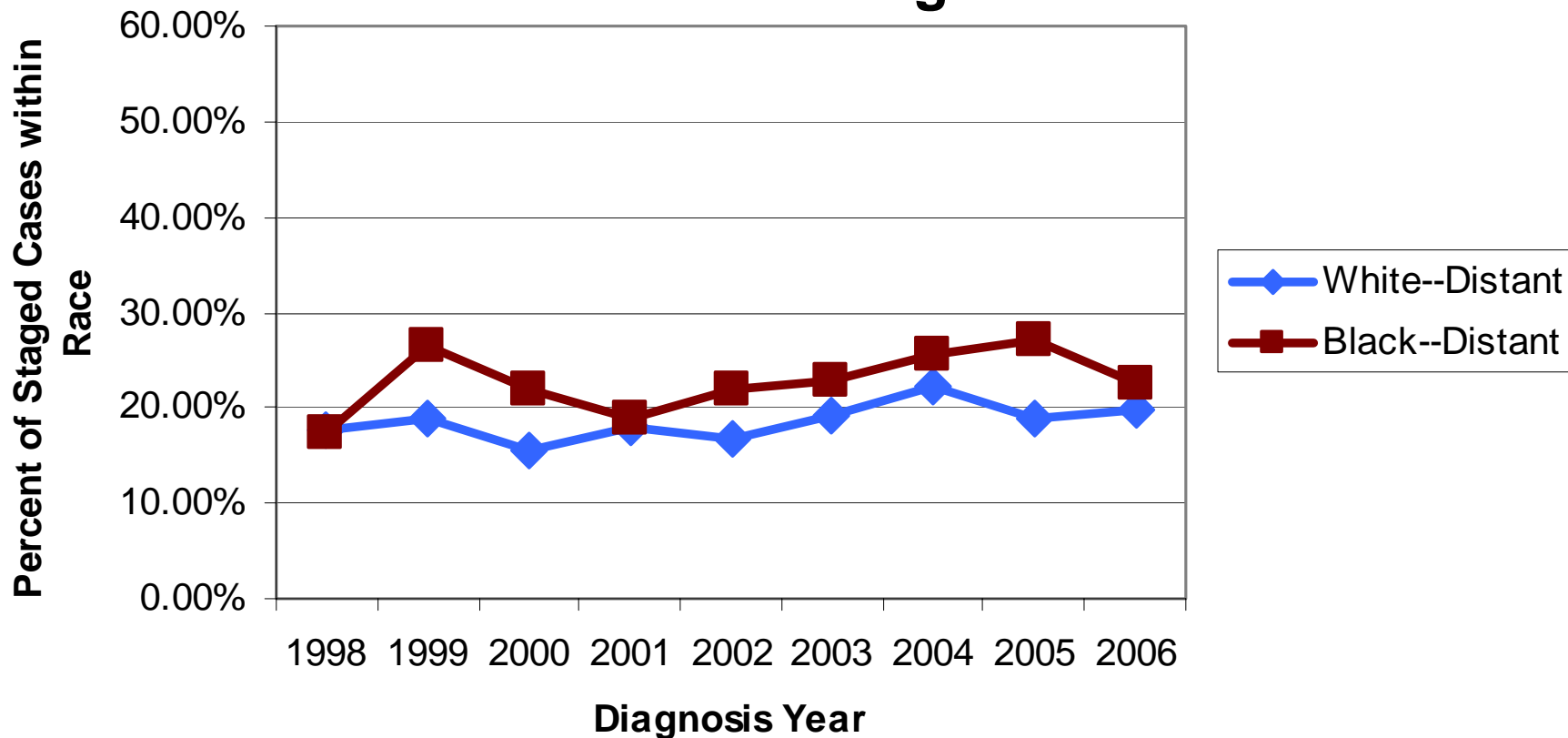


# Percent of Invasive Colorectal Cancer among Those Staged, Stage by Year of Diagnosis by Race, Maryland Regional Stage

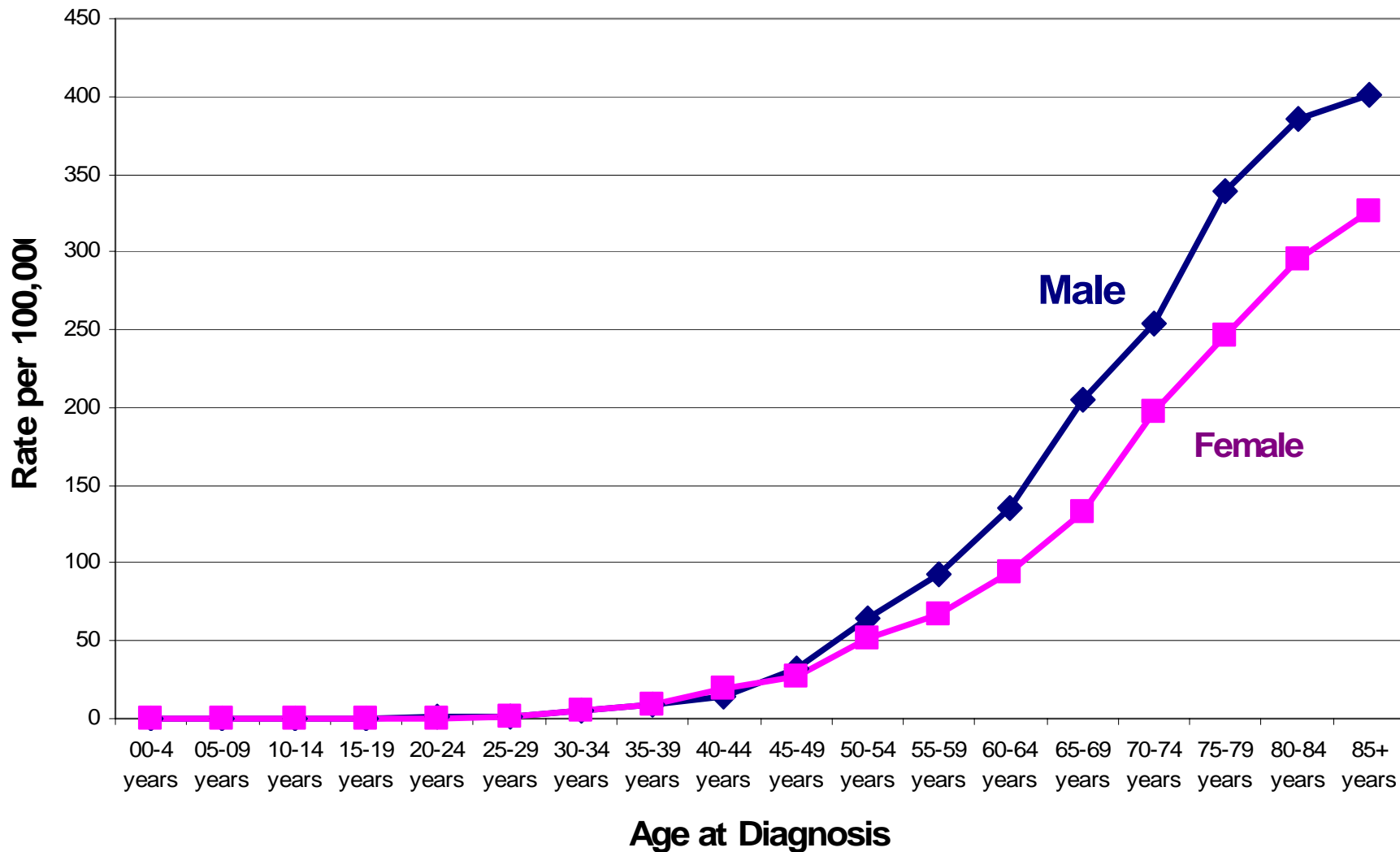


# Percent of Invasive Colorectal Cancer among Those Staged, Stage by Year of Diagnosis by Race, Maryland

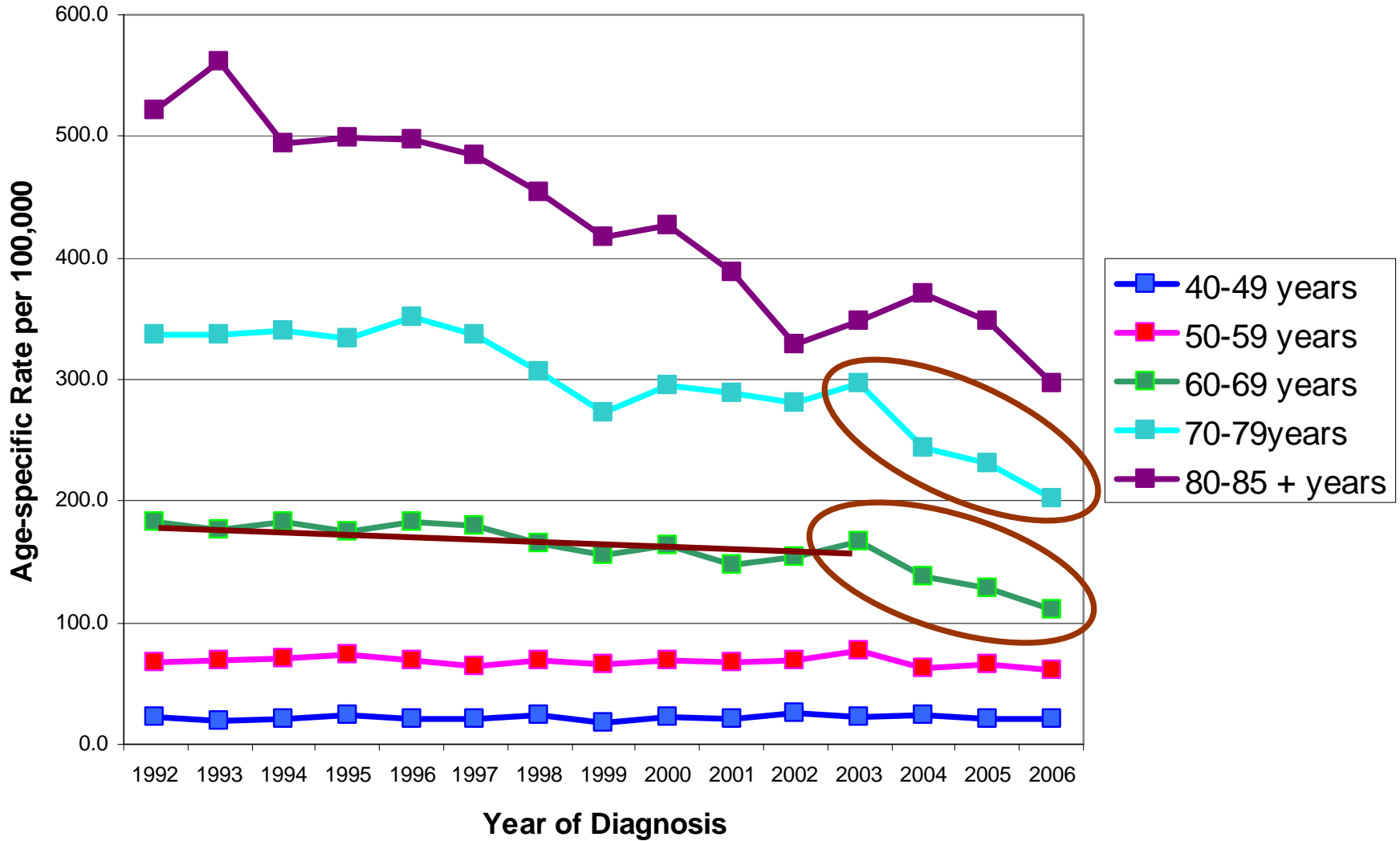
## Distant Stage



# Age-Specific Colorectal Incidence Rates by Gender Maryland, 2002-2006



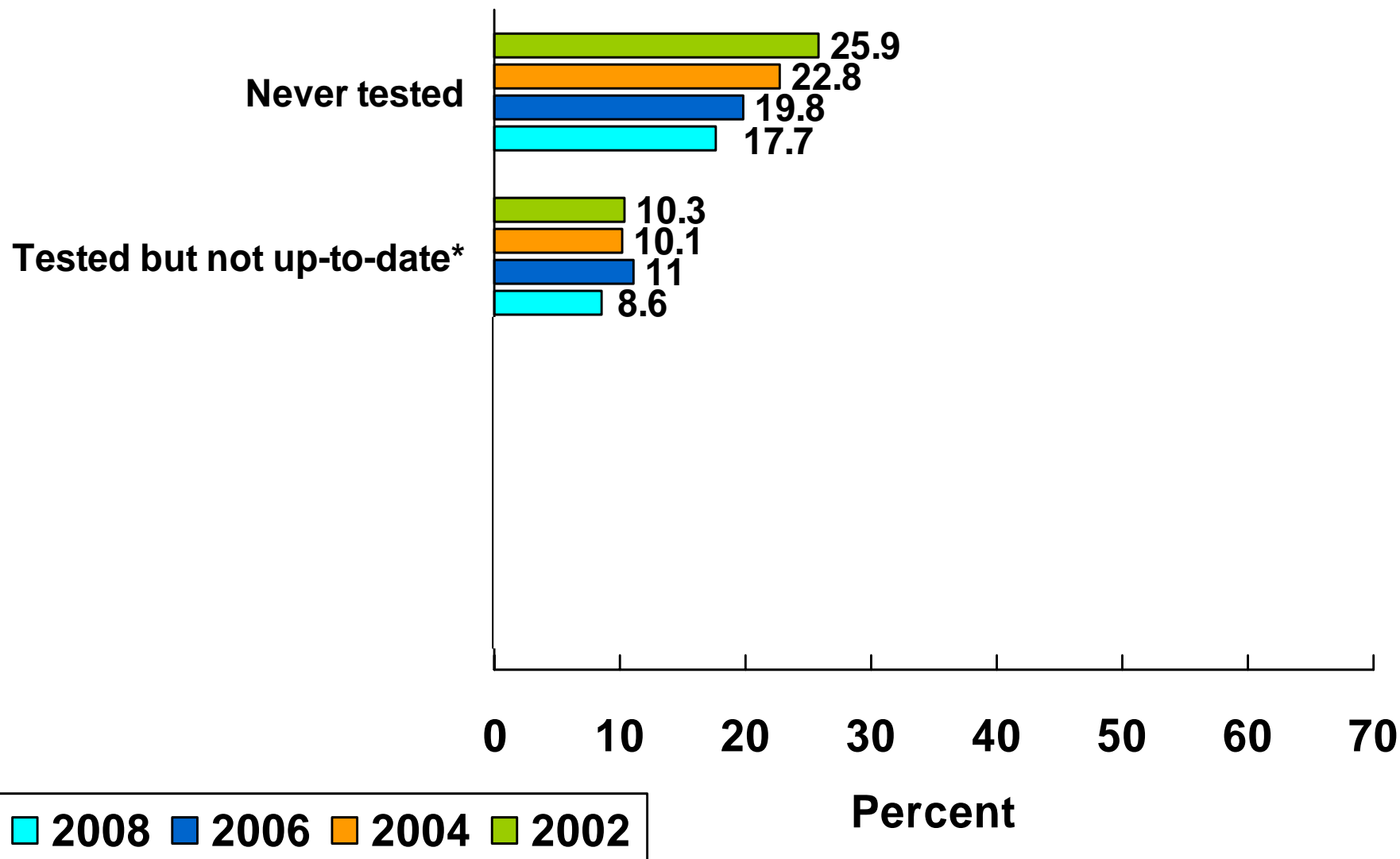
## Age-Specific Colorectal Cancer Incidence Rates by Year of Diagnosis Maryland 1992-2006



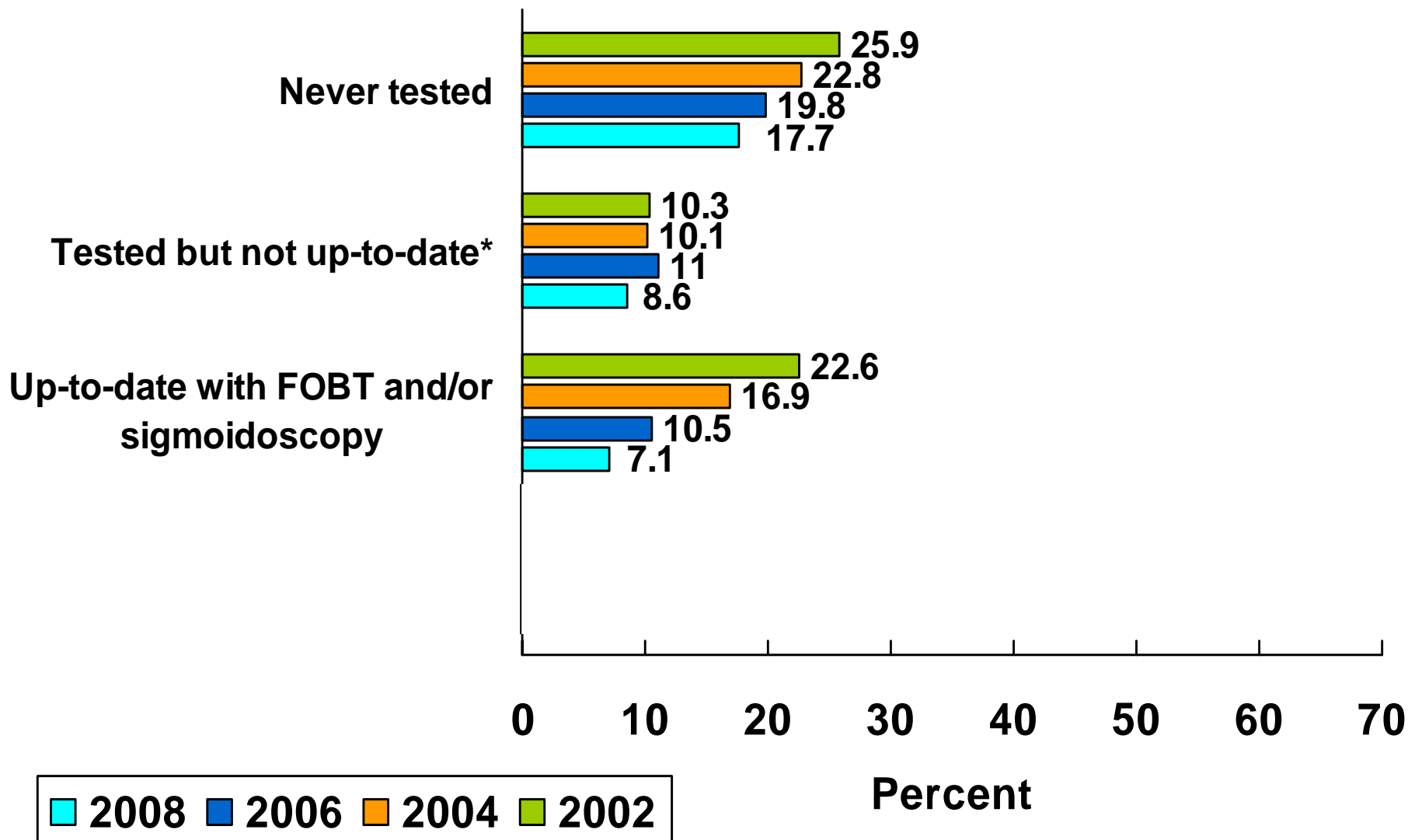


# Colorectal Cancer Screening: Maryland Population (Surveys)

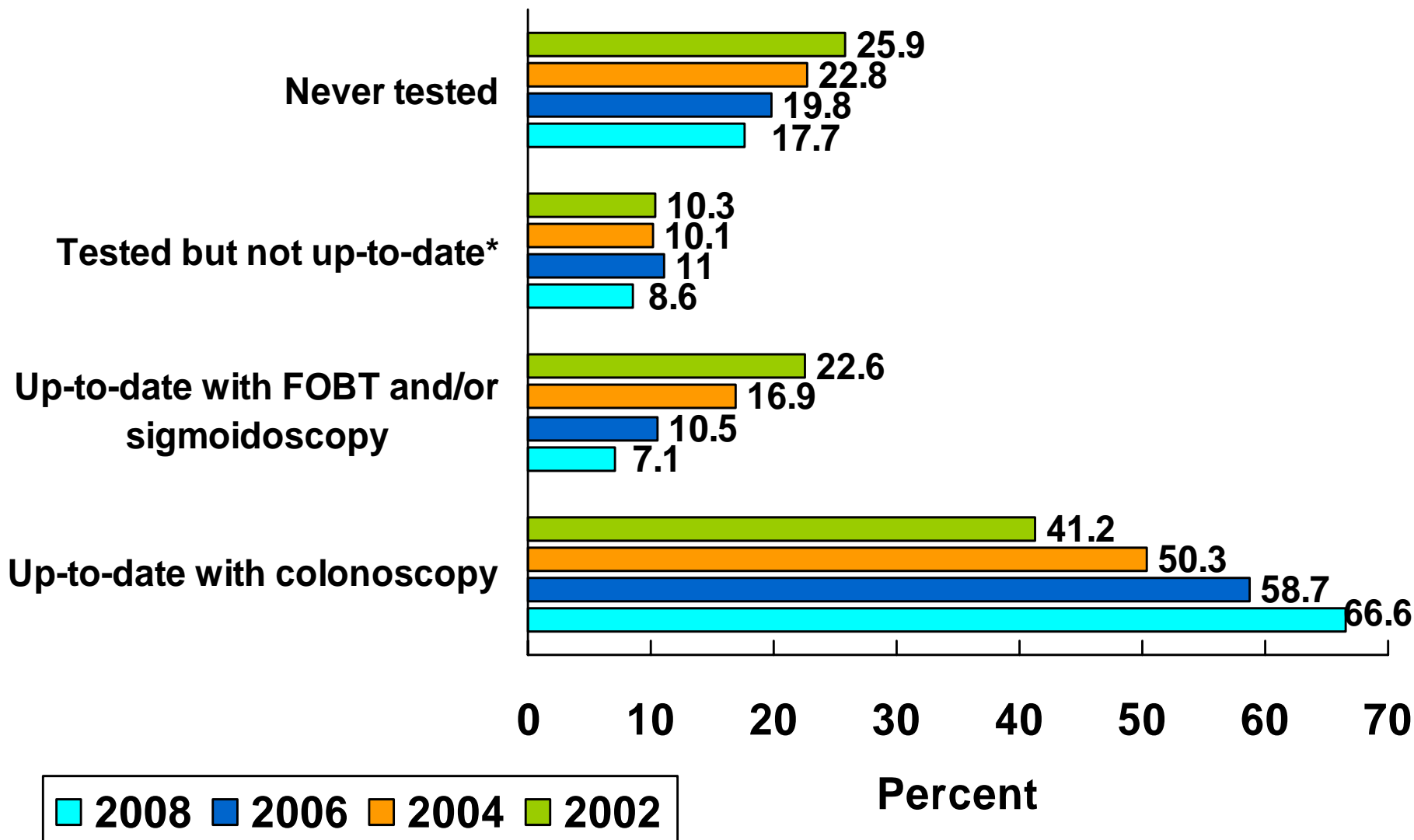
# Colorectal Cancer Screening Status of People Age 50 Years and Older Maryland Cancer Surveys, 2002-2008



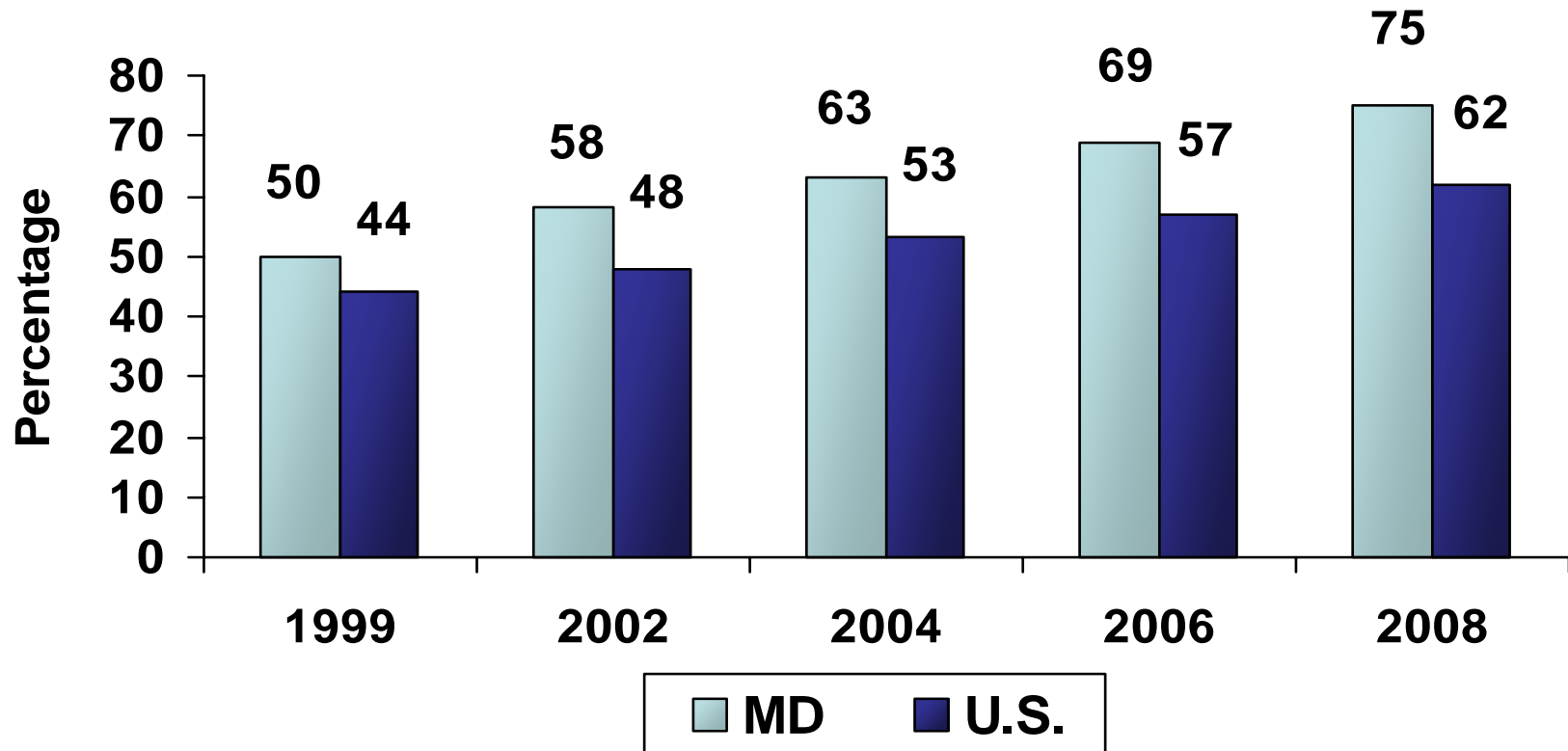
# Colorectal Cancer Screening Status of People Age 50 Years and Older Maryland Cancer Surveys, 2002-2008



# Colorectal Cancer Screening Status of People Age 50 Years and Older Maryland Cancer Surveys, 2002-2008



## Percentage of Adults Age 50 and Older Ever Having a Sigmoidoscopy or Colonoscopy Maryland vs. U.S.

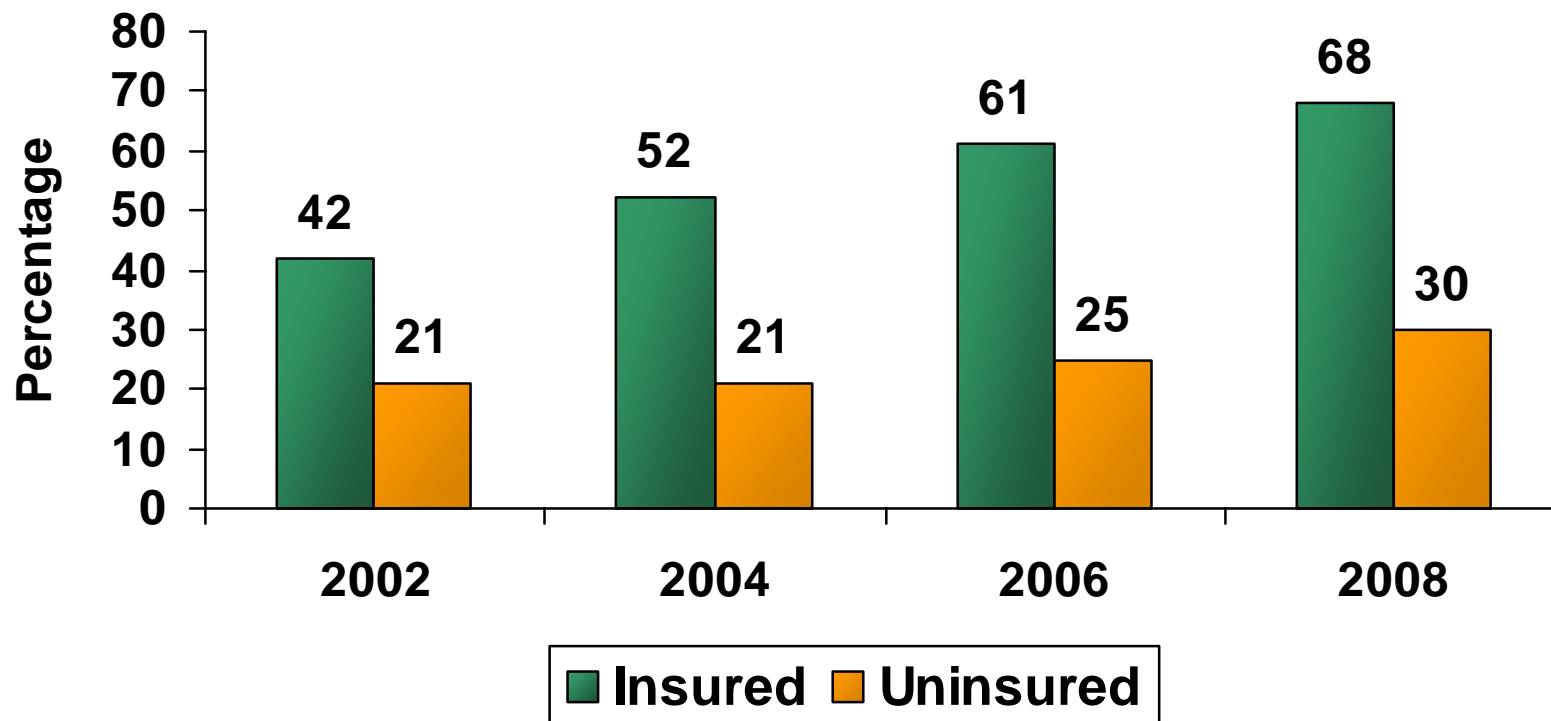


Maryland BRFSS, 1999

Maryland Cancer Survey 2002, 2004, 2006, and 2008

U.S. data from CDC Behavioral Risk Factor Surveillance System

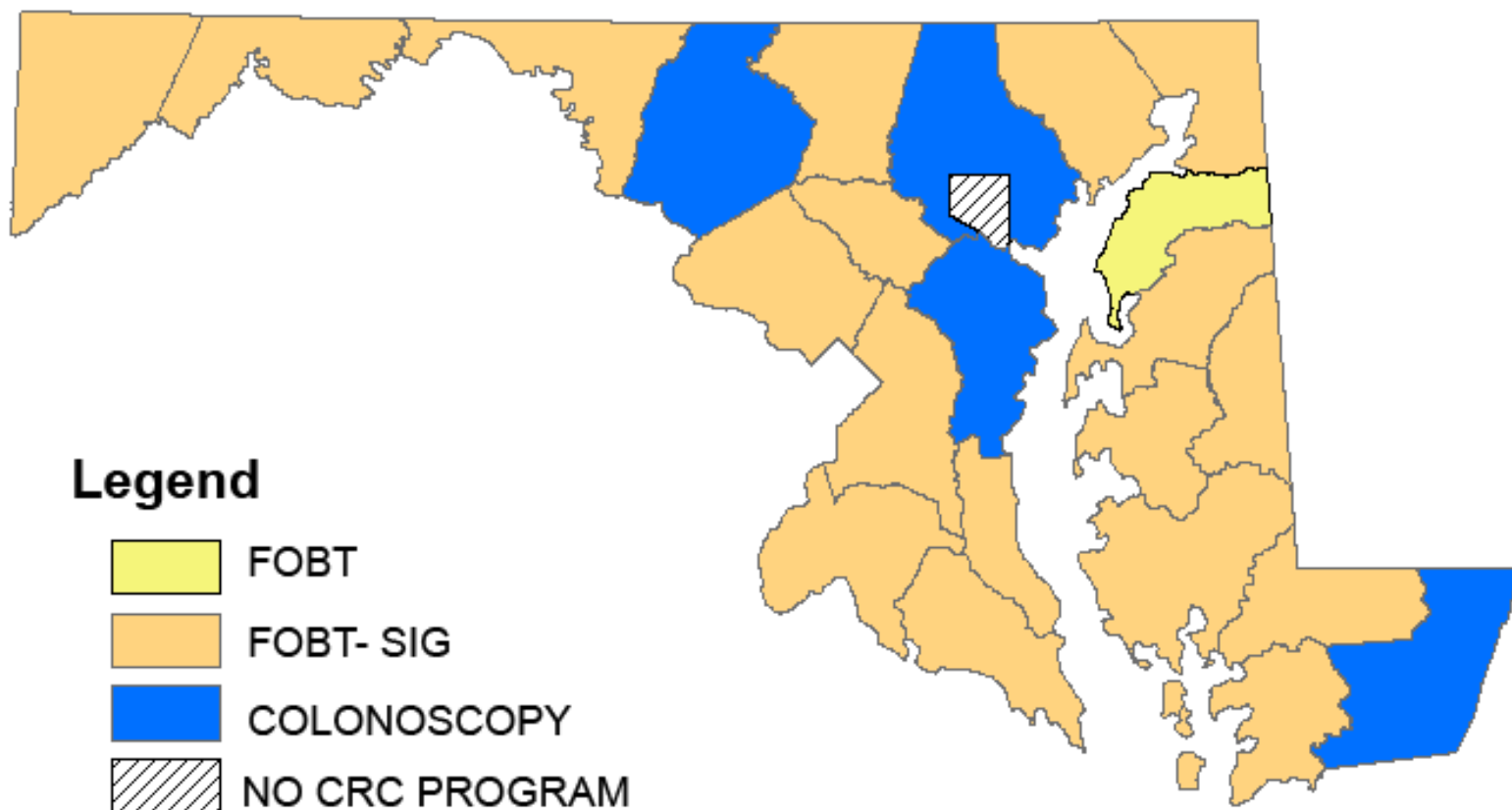
## Percentage of Maryland Adults Age 50 Years and Older Having a Colonoscopy in Past 10 Years, by Health Insurance Status, 2002-2008



Source: Maryland Cancer Survey

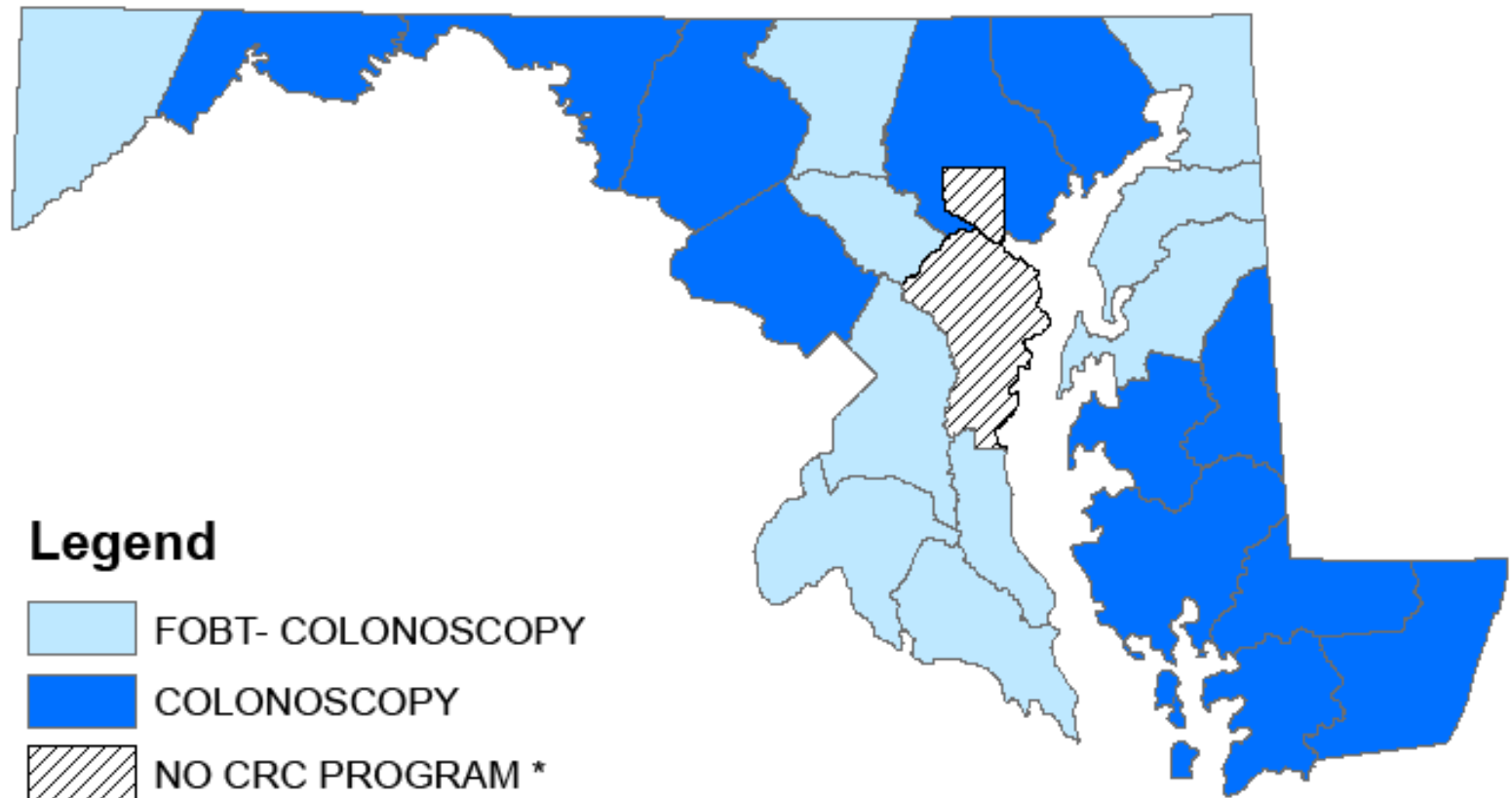
# Colorectal Cancer Screening: Public Health Programs in Maryland

Colorectal Cancer Screening for Average Risk Clients  
by Type of Initial Screening Test - FY 2001  
Cigarette Restitution Fund Program



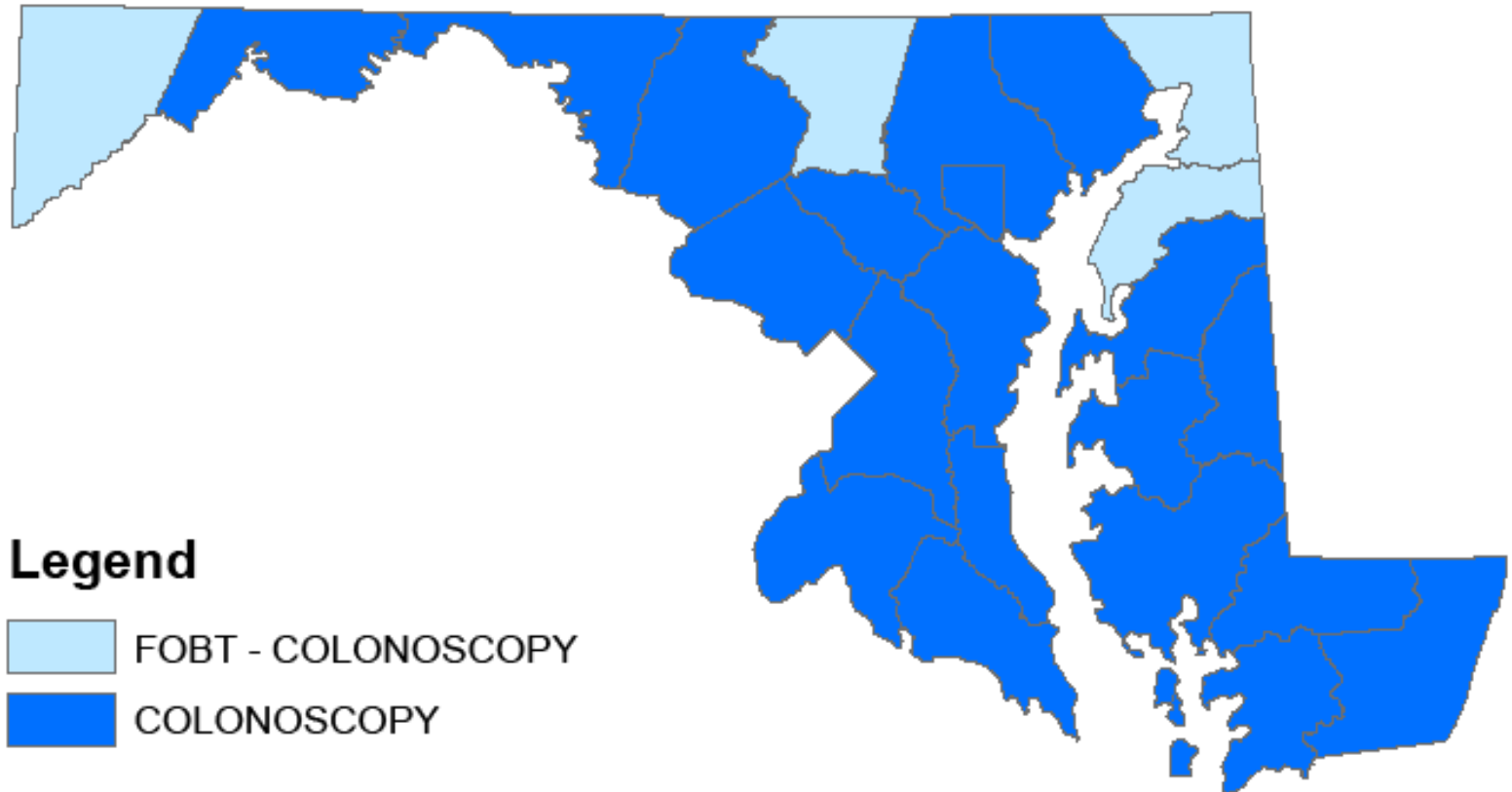


Colorectal Cancer Screening for Average Risk Clients  
by Type of Initial Screening Test - FY 2004  
Cigarette Restitution Fund Program



\* Anne Arundel County did CRC education without screening from FY 2004 - FY 2007

Colorectal Cancer Screening for Average Risk Clients  
by Type of Initial Screening Test - FY 2008  
Cigarette Restitution Fund Program and Other Funding \*



\* Other funding: Centers for Disease Control and Prevention Screening Demonstration Grant, Maryland Cancer Fund, and Anne Arundel County local funding

# Summary of Cigarette Restitution Fund Colorectal Cancer Screening in Maryland

2000--December 31, 2008:

**17,065** People have had one or more  
screening procedures

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**8,315** FOBTs (all income levels)

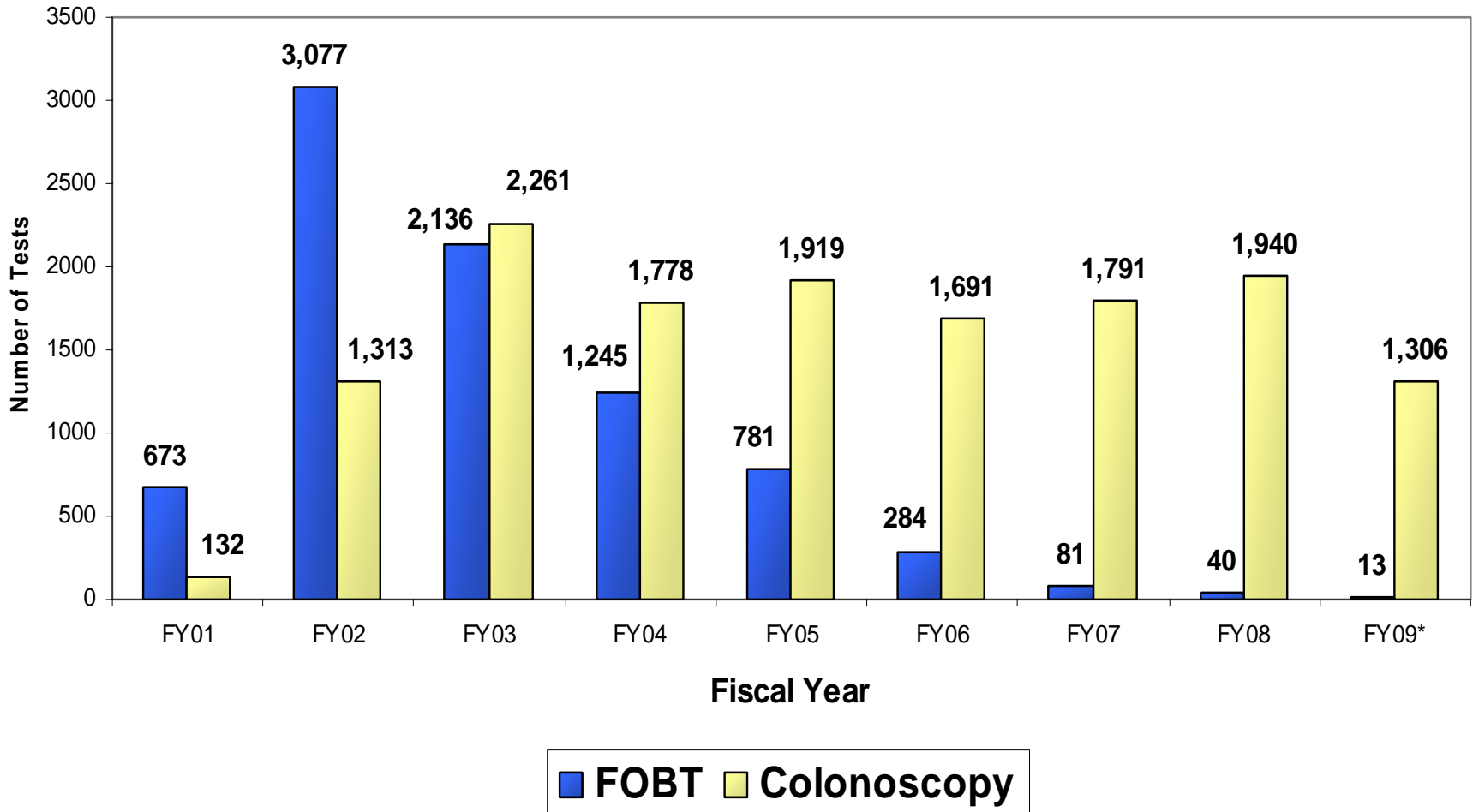
**155** Sigmoidoscopies

**13,584** Colonoscopies

# Cigarette Restitution Fund CRC Screening Program

## Number of FOBTs and Colonoscopies

### by Fiscal Year, Maryland (as of May 9, 2009)



Source: Client Database as of May 9, 2009

\*FY09 was part year entered as of 5/9/09

Summary of Centers for Disease Control and Prevention  
(CDC) Screening Demonstration Program  
Colorectal Cancer Screening in Baltimore City

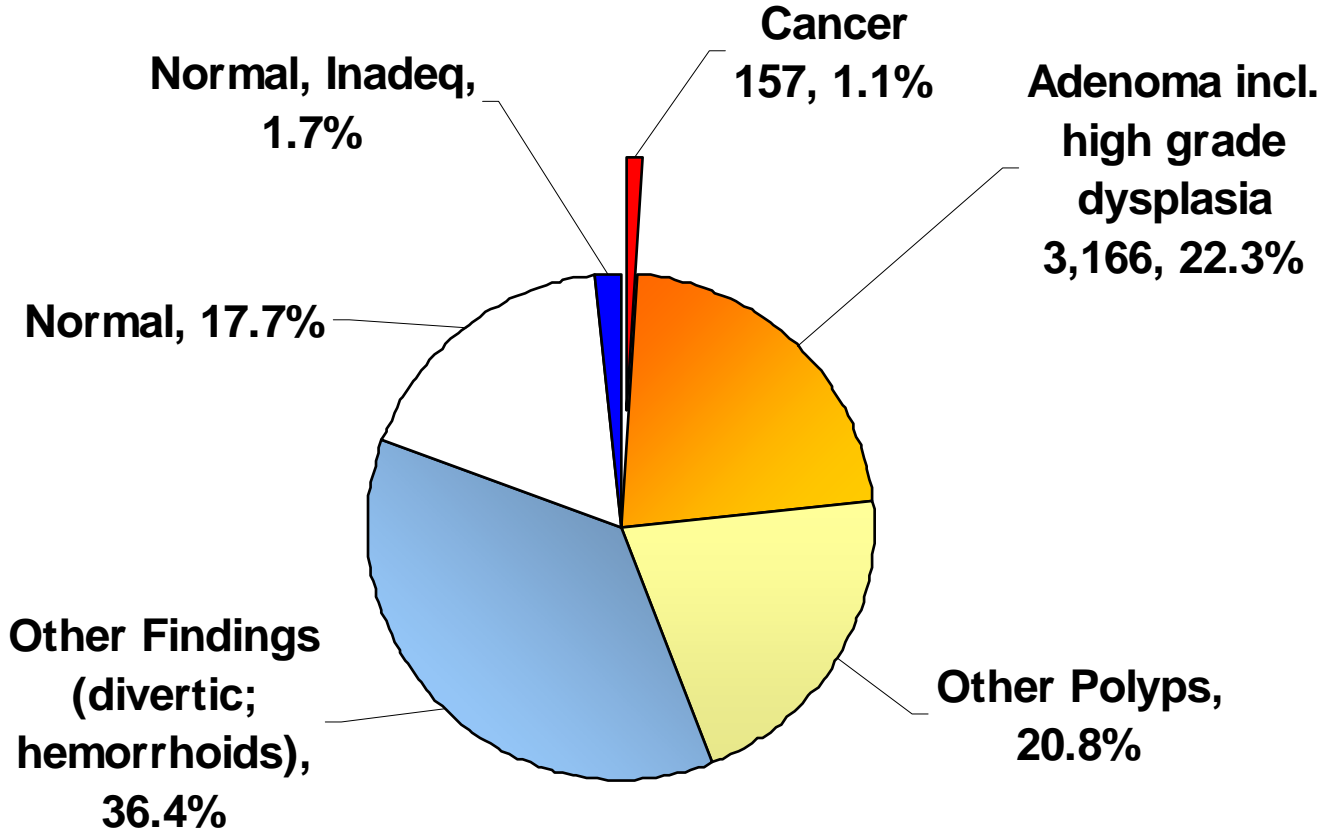
FY06--December 31, 2008:

**591** People have had one or more  
screening procedures

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**626** Colonoscopies

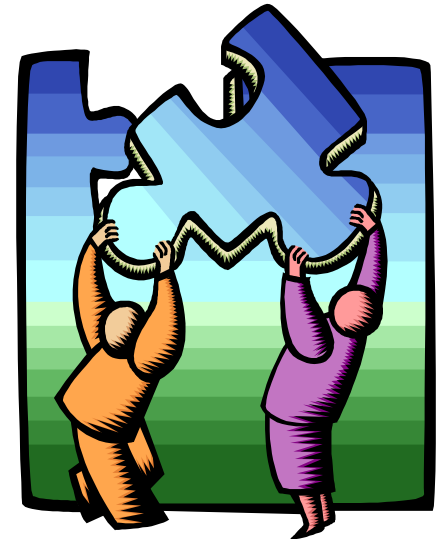
# Outcomes CRF (13,584) and CDC SCP (626) Colonoscopies Maryland 2000-2008



**157 Cancers DETECTED**  
**About 300 Cancers PREVENTED by polypectomy**



**Thank you**  
for *your* part in Maryland's  
Colorectal Cancer Success



# Support

## **CRC Prevention, Education, Screening, and Treatment**

- **Cigarette Restitution Fund of Maryland**

### **Maryland Cancer Registry**

- Maryland State General Funds
- Maryland Cigarette Restitution Fund Program
- National Program for Cancer Registries,  
Centers for Disease Control and Prevention, Atlanta, GA

### **CRC Screening Demonstration Program, Baltimore City**

- Centers for Disease Control and Prevention (CDC)

### **Maryland Cancer Fund**



# Acknowledgements

## **Maryland Dept. of Health and Mental Hygiene**

### **Center for Cancer Surveillance and Control**

- Maryland Cancer Registry (plus Westat and Facility Reporters)
- Cigarette Restitution Fund Surveillance and Evaluation Unit
- University of Maryland, Epidemiology and Preventive Medicine
- CRF Programs Unit

### **Vital Statistics Administration**

### **Minority Outreach Technical Assistance program**

## **Colorectal Cancer Medical Advisory Committee**

## **Maryland Local Health Department programs**

## **Community Health Coalitions and MOTA Partners**

## **CDC CRC Screening Demonstration Sites**

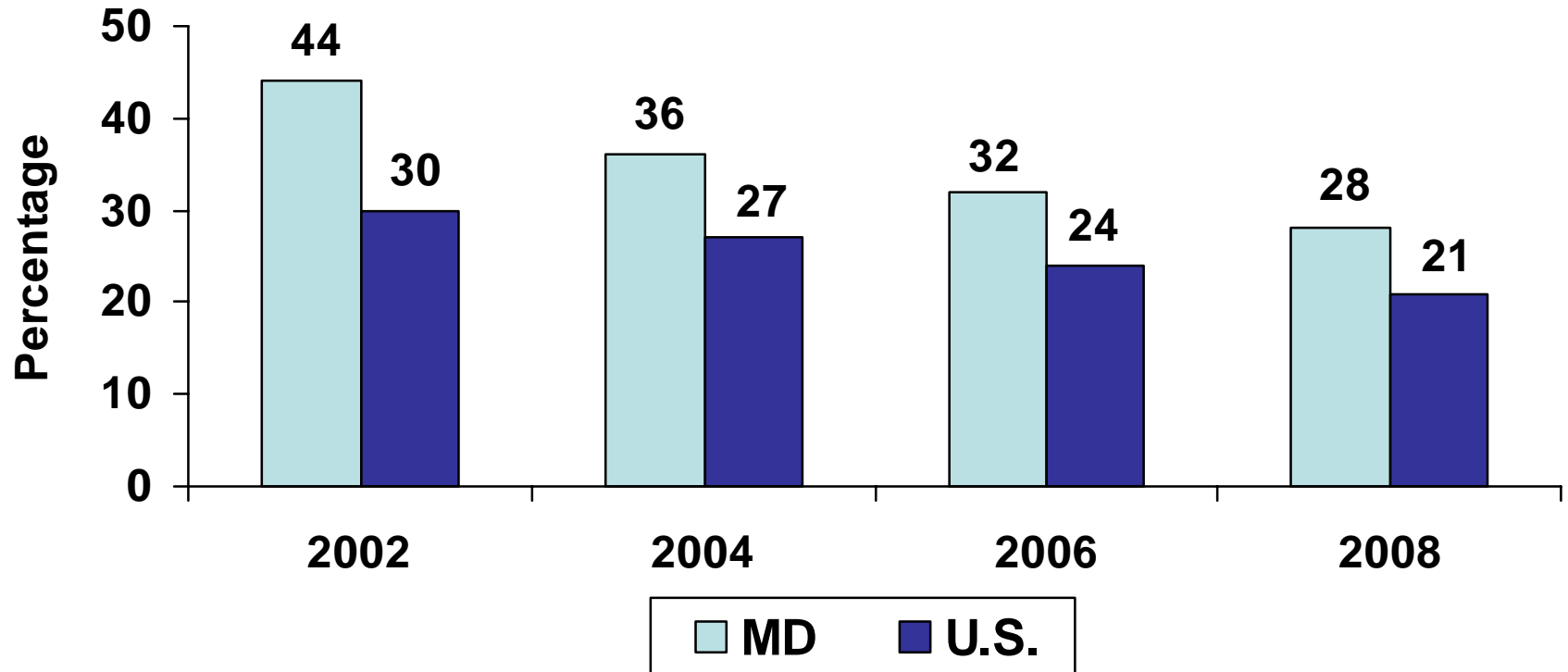
- Johns Hopkins Medical Institutions, Harbor Hospital, St. Agnes Hospital, Sinai Hospital, Union Memorial Hospital

## **Participating Medical Providers**



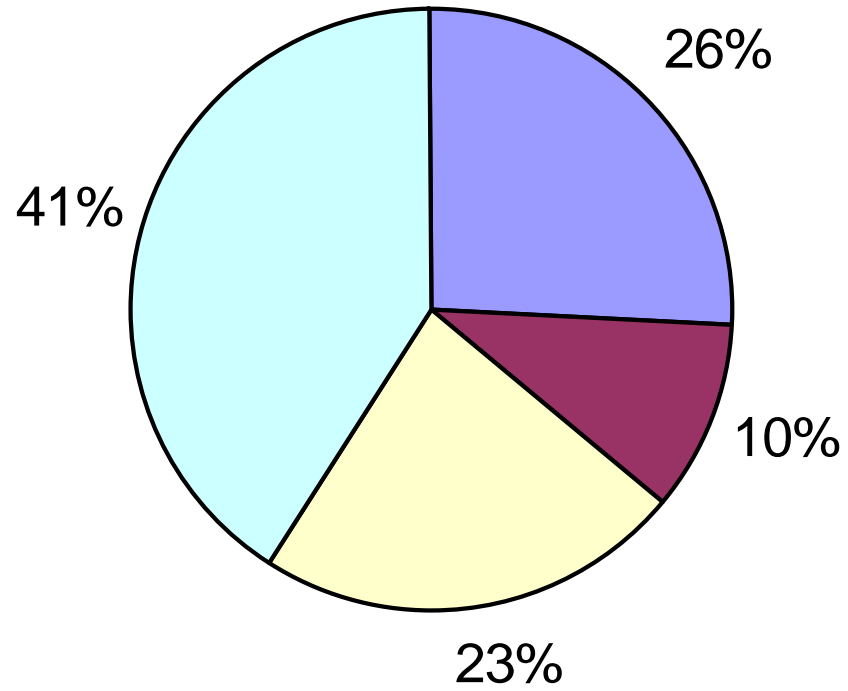


# Percentage of Adults Age 50 and Older Having a Fecal Occult Blood Test within Past 2 Years Maryland vs. U.S.

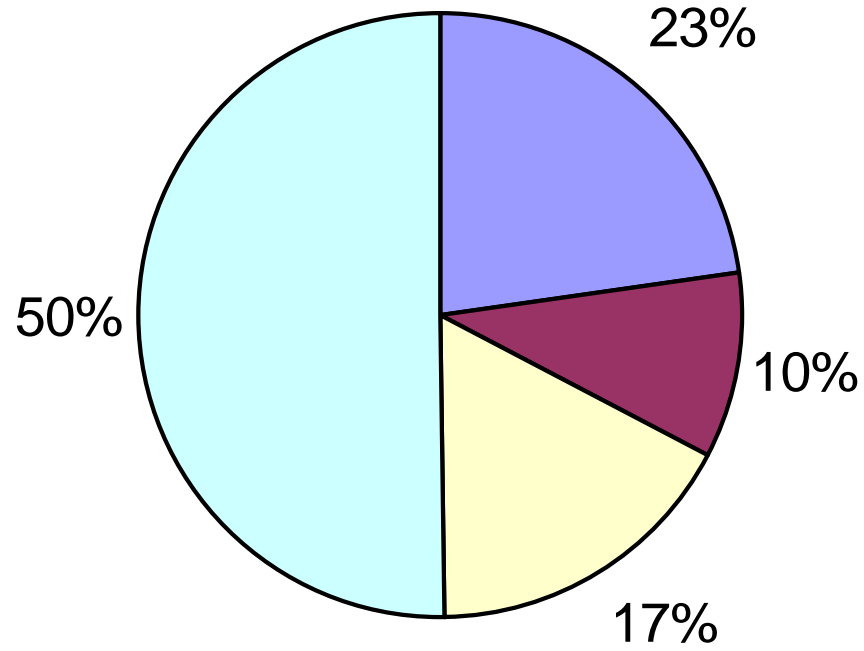


Maryland Cancer Survey 2002, 2004, 2006, and 2008  
U.S. data from CDC Behavioral Risk Factor Surveillance System

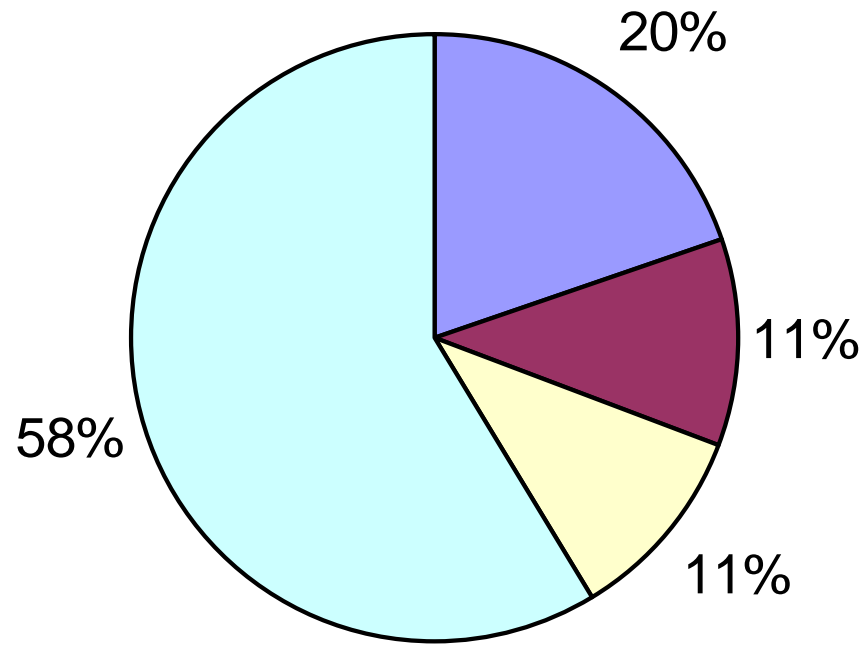
**2002**



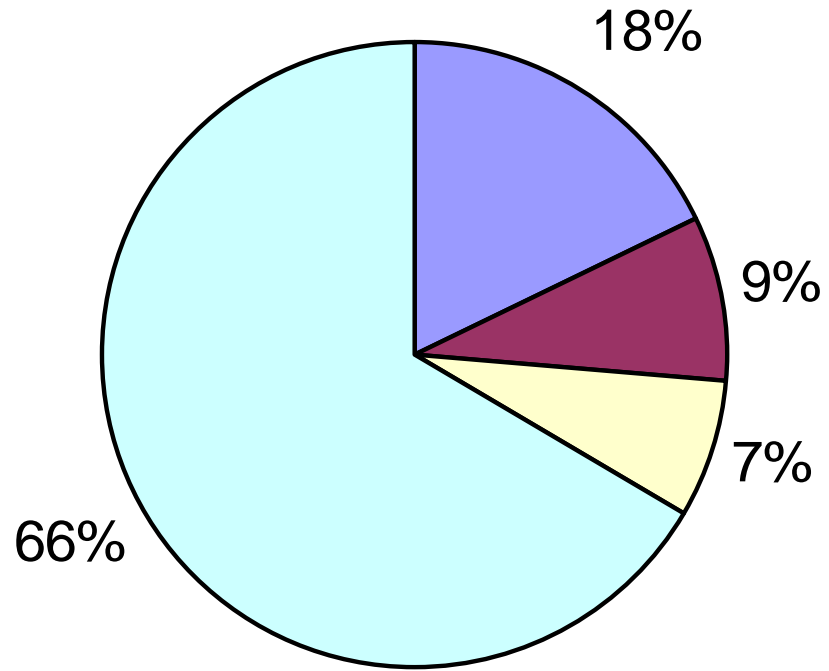
**2004**



**2006**

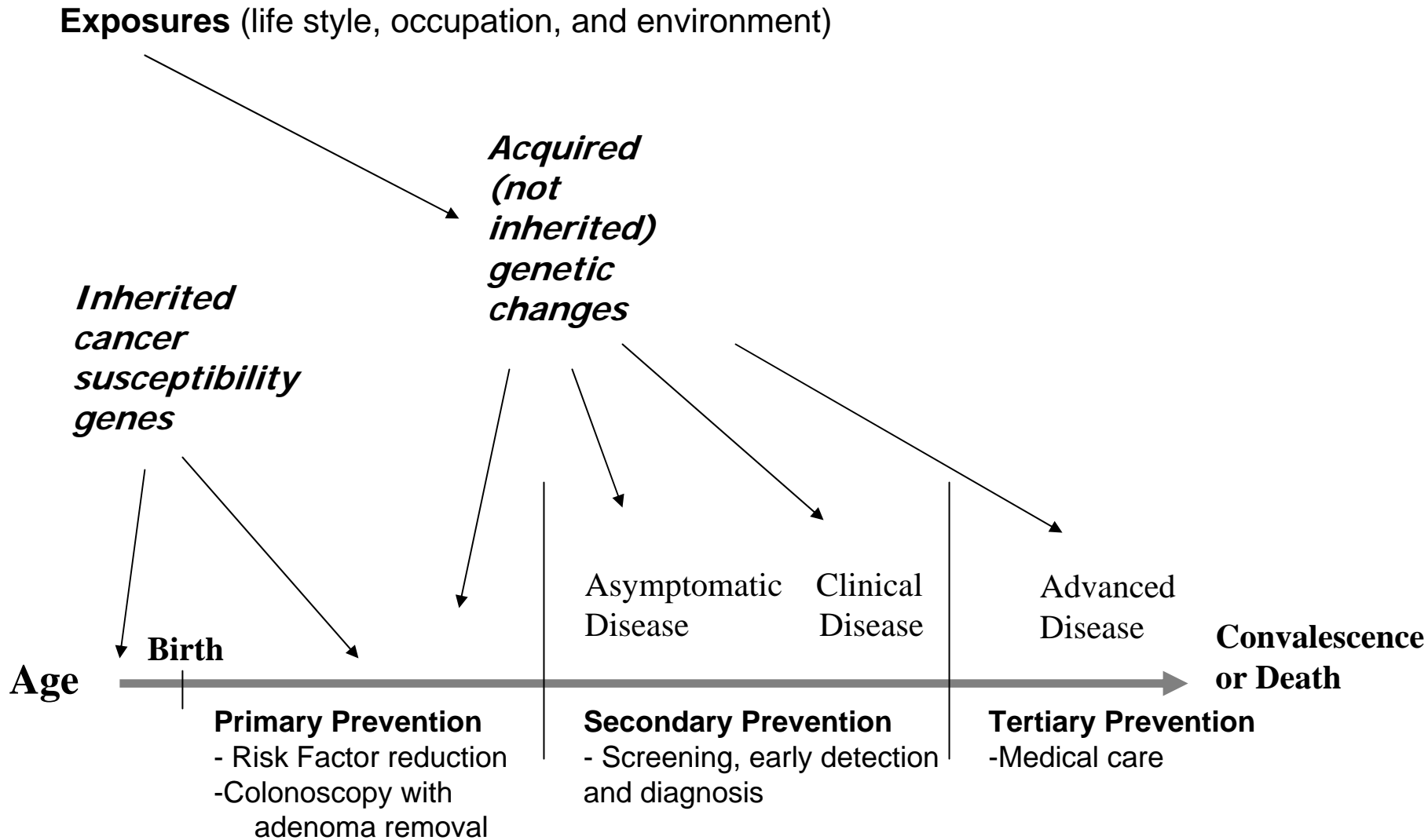


**2008**



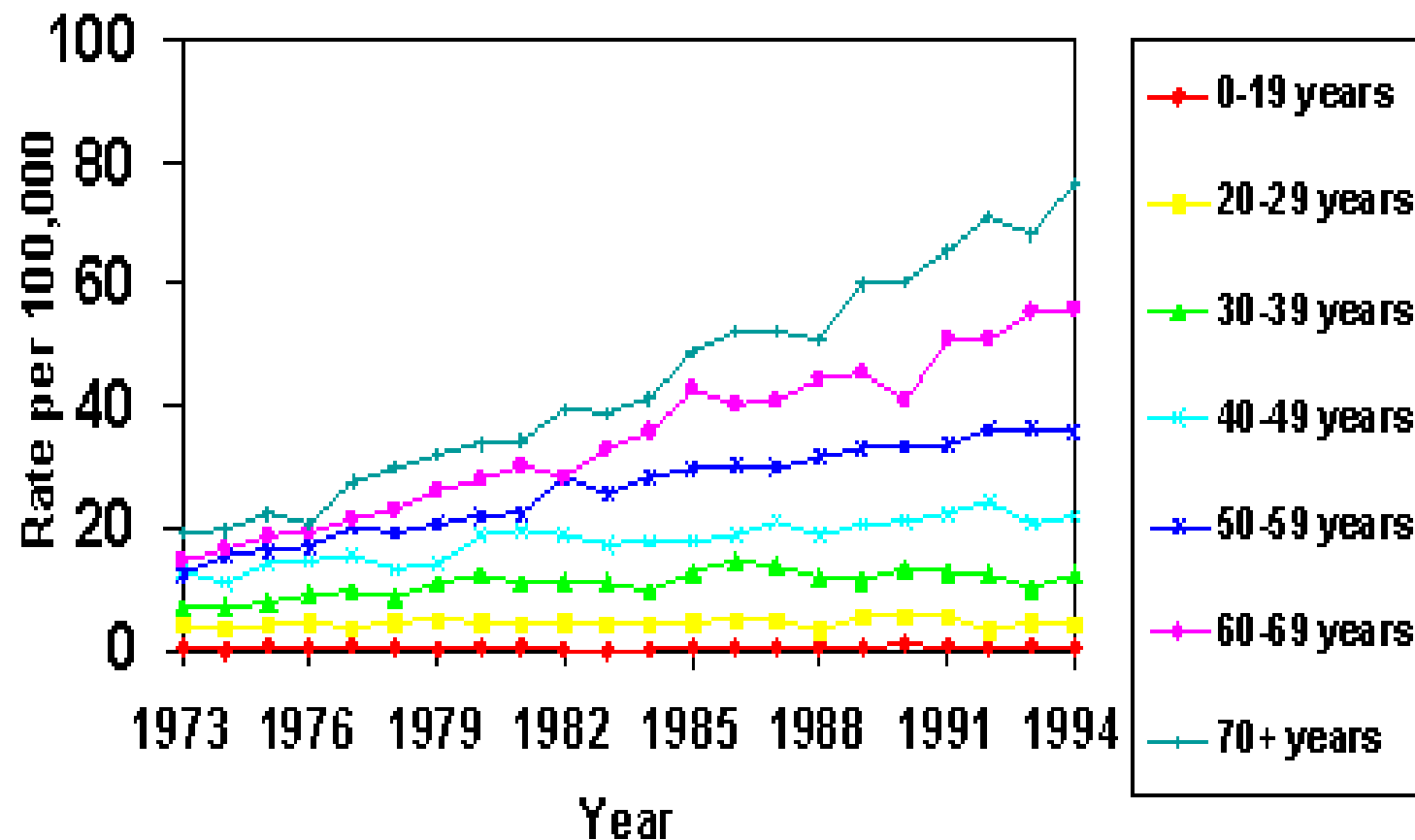


# Colorectal Cancer Development and Prevention

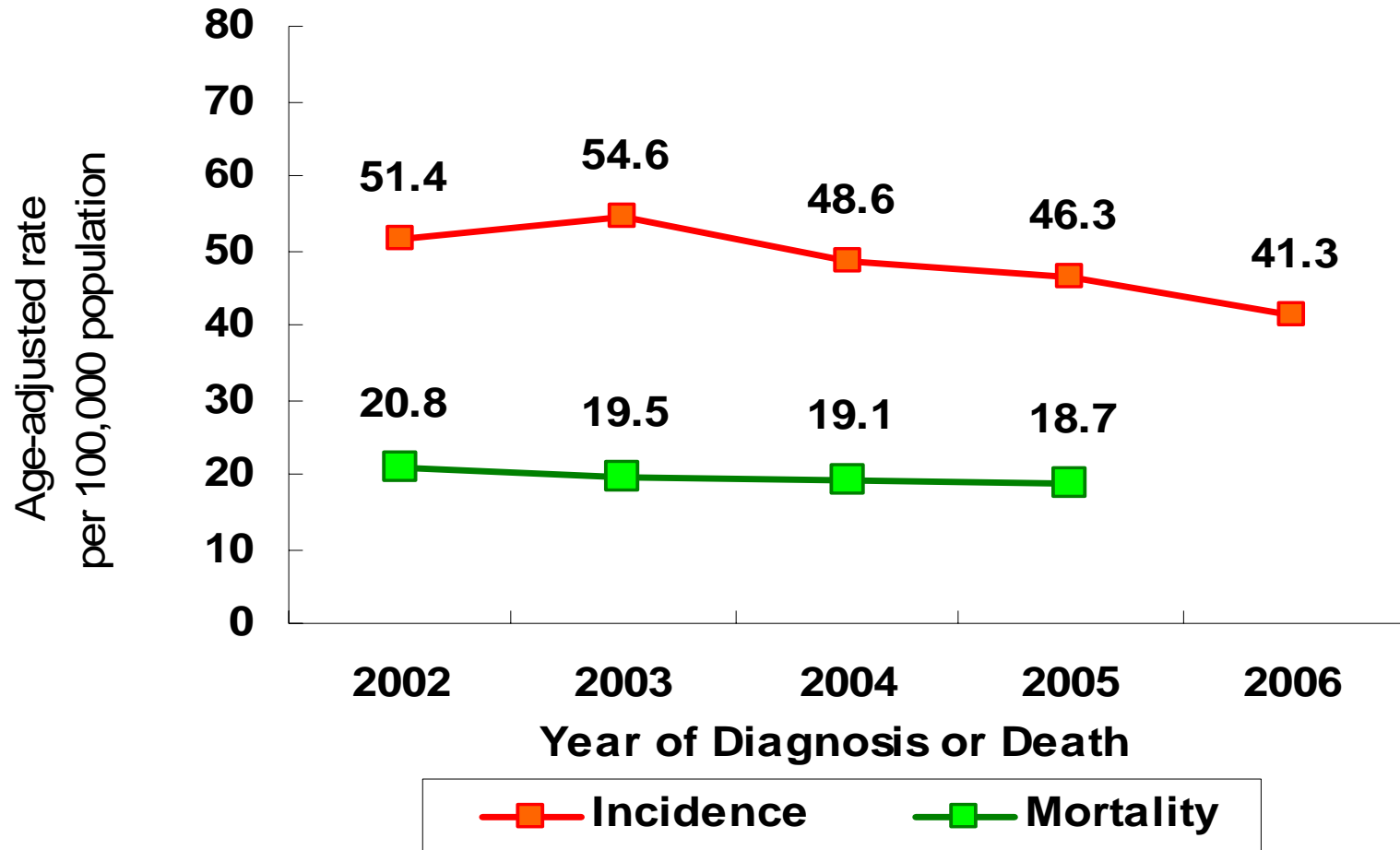


## Age-specific cutaneous malignant melanoma incidence for white males

Data compiled by H.I. Hall, Division of Cancer Prevention and Control, CDC



## Colorectal Cancer Incidence and Mortality Rates by Year of Diagnosis or Death, Maryland 2002-2006



Rates are age-adjusted to 2000 U.S. standard population

Maryland Cancer Registry, 2002-2006

NCHS Compressed Mortality File in CDC WONDER, 2002- 2005