

Colorectal Cancer in Maryland

including

Progress in Screening & Capacity to Screen

Diane M. Dwyer, M.D.

Maryland Dept. of Health and Mental Hygiene

Center for Cancer Surveillance and Control

June 10, 2005

U Maryland Baltimore
Preventive Med and Epi.

Dept. of Health
and Mental Hygien
Program

25
Local PH Programs

Minority Outreach,
Technical Assistance

24 Community
Health Coalitions

Providers: Doctors
Labs, Hospitals,
Pharmacies

Community based orgs.
Faith based organizations
Volunteers

2 Statewide Academic Health Centers:
Research, PH,
Statewide Health Network

Maryland Citizens,
esp. Minority &
Underserved

CRF Cancer Control “Network”

Acknowledgements

- **DHMH Center for Cancer Surveillance and Control (CCSC)**
 - **Marsha Bienia, Director**
 - **CCSC Surveillance and Evaluation Unit:** Carmela Groves--Frank Ackers
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Oluajayi, Jessica Phillips, Stan Rydzewski, Dave Shupe, Sherry Spencer,
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Kitty Musk, William Wiseman
- **DHMH FHA, Information Technology:** Bob Ellis--Randy Stokes, Matt Wetherall
- **DHMH Vital Statistics Administration:** Isabelle Horon
- **Staff and partners of 25 Local PH Programs in MD (23 with CRC screening)**
- **Maryland Health Care Commission Data**
Rebecca Goldblatt, Linda Bartnyska, Ben Steffen
- **Medicaid Data, UM Baltimore County, CHPDM--**Julie Gielner, Babi Lamba
- **DHMH FHA, Center for Preventive Health Services--**Helio Lopez
- **Minority Outreach Technical Assistance Partners**

Acknowledgements

- Colorectal Cancer Medical Advisory Committee Members:

Stanley Watkins, MD—Chairman

Ashish Chawla, MD

Marshall S. Bedine, MD

Anthony J. Calabrese, MD, FACG

Michael Choti, MD

Cynthia Drachenberg, MD

Francis Giardiello, MD

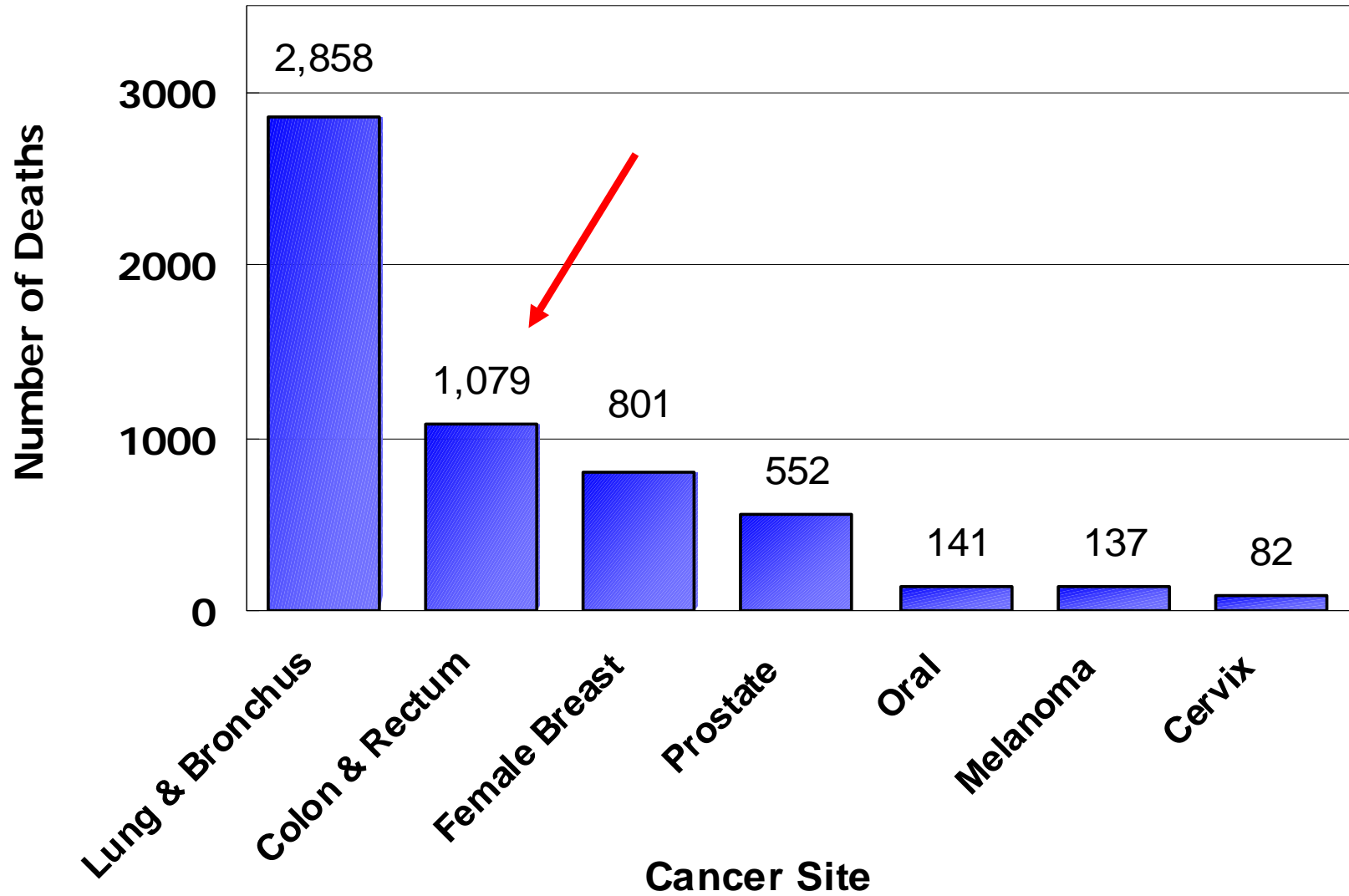
Bruce Greenwald, MD

Harry Yfantis, MD

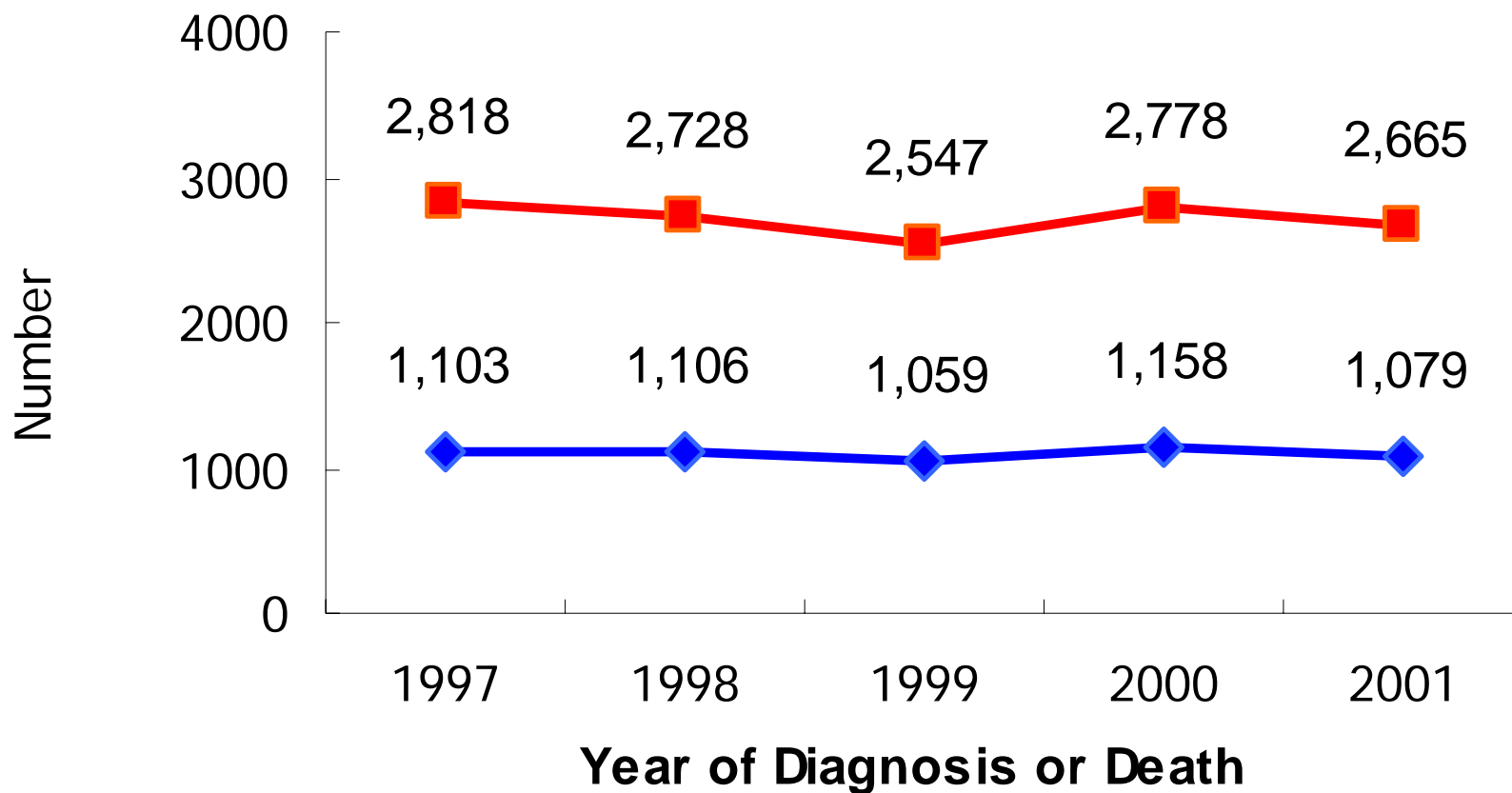
- Maryland Health Care Providers, Endoscopists, and Insurers

Colorectal Cancer in Maryland

Number of Cancer Deaths in Maryland, 2001



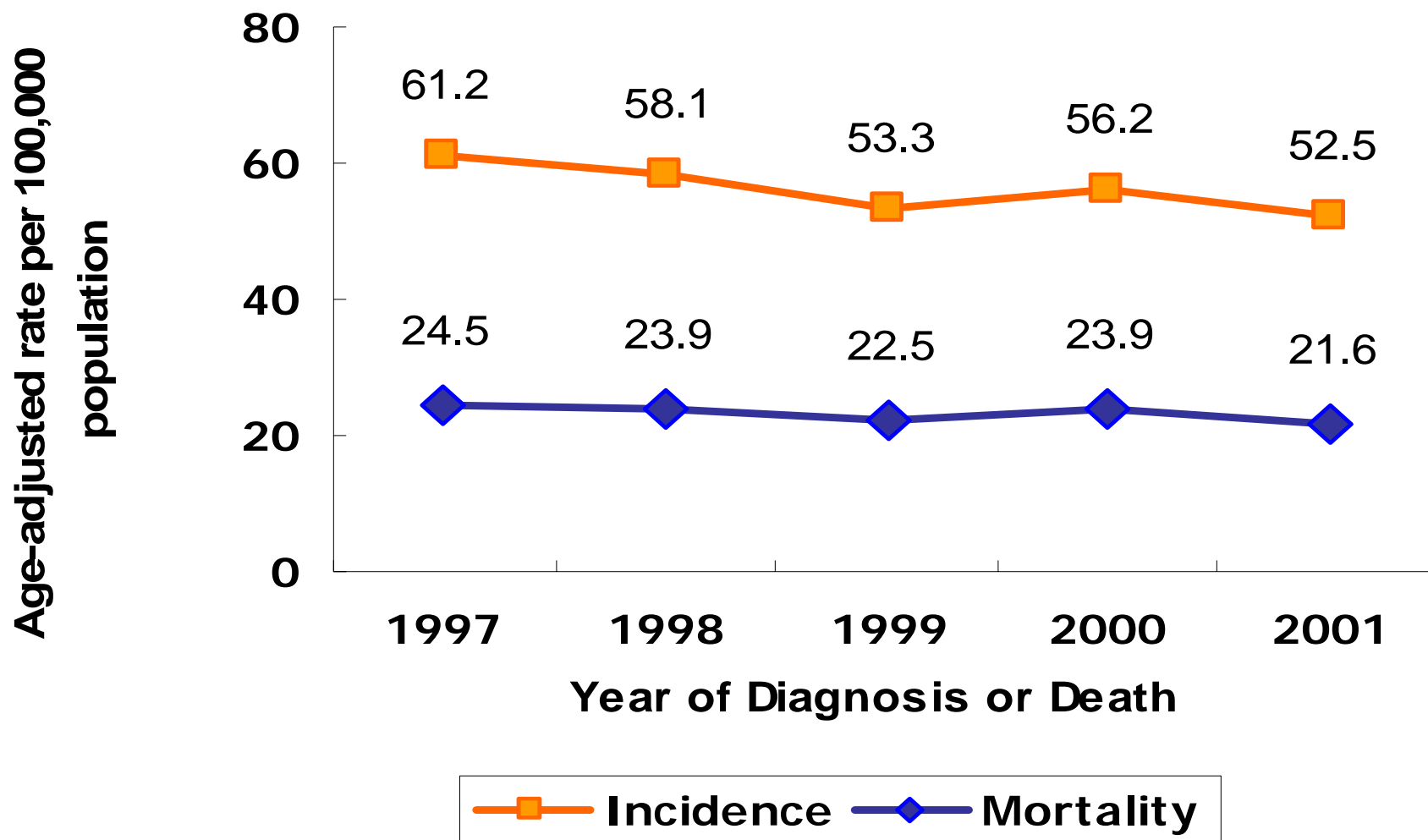
Colorectal Cancer Cases and Deaths by Year of Diagnosis or Death, Maryland, 1997-2001



Source: Maryland Cancer Registry, 1997-2001
Maryland Division of Health Statistics, 1997-2001



Colorectal Cancer Age-Adjusted Incidence and Mortality Rates by Year of Diagnosis and Death, Maryland, 1997-2001

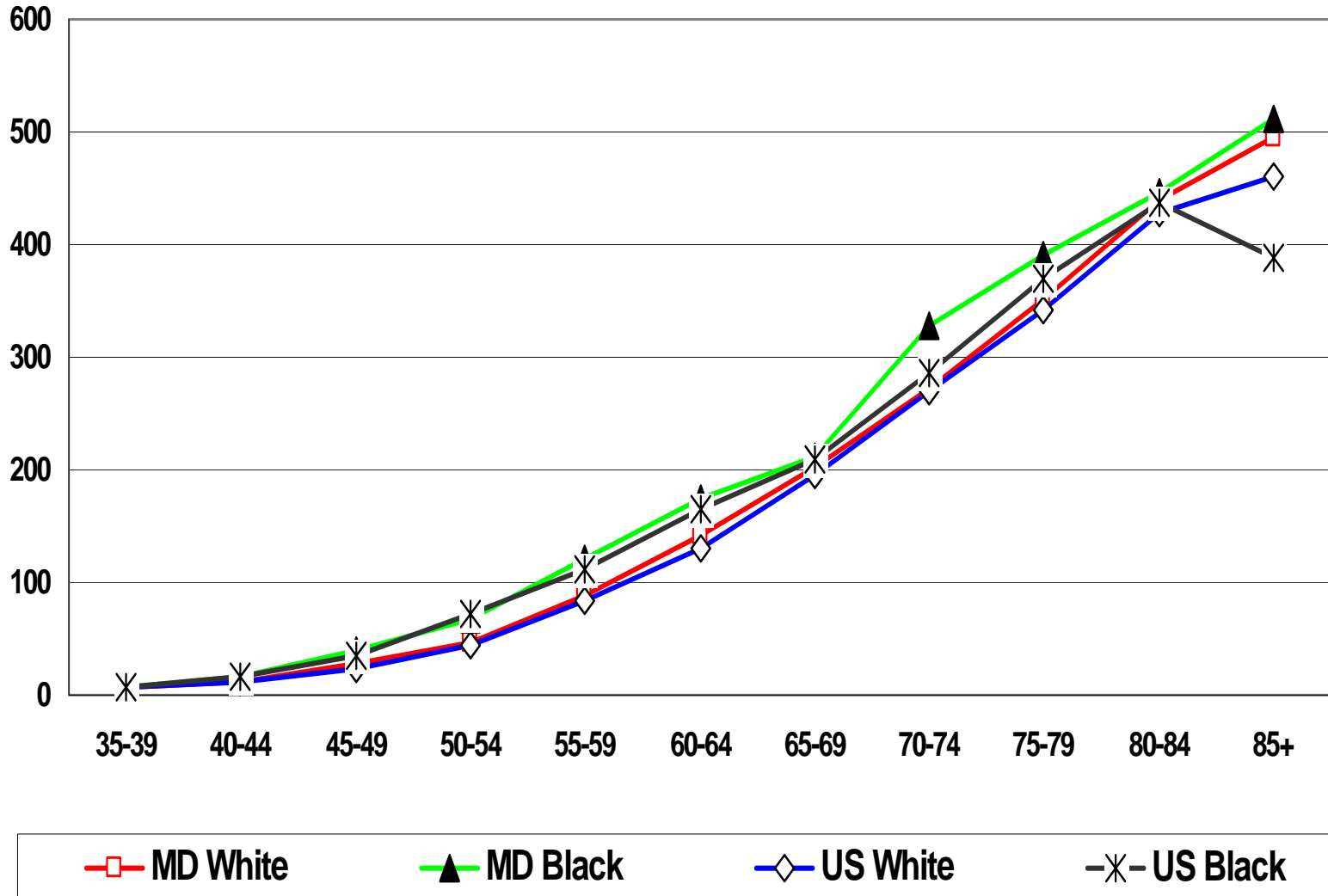


Source: Maryland Cancer Registry, 1997-2001

Maryland Division of Health Statistics, 1997-2001

Colorectal Cancer Age-Specific Incidence Rates by Race, Maryland and the United States, 1995-1999

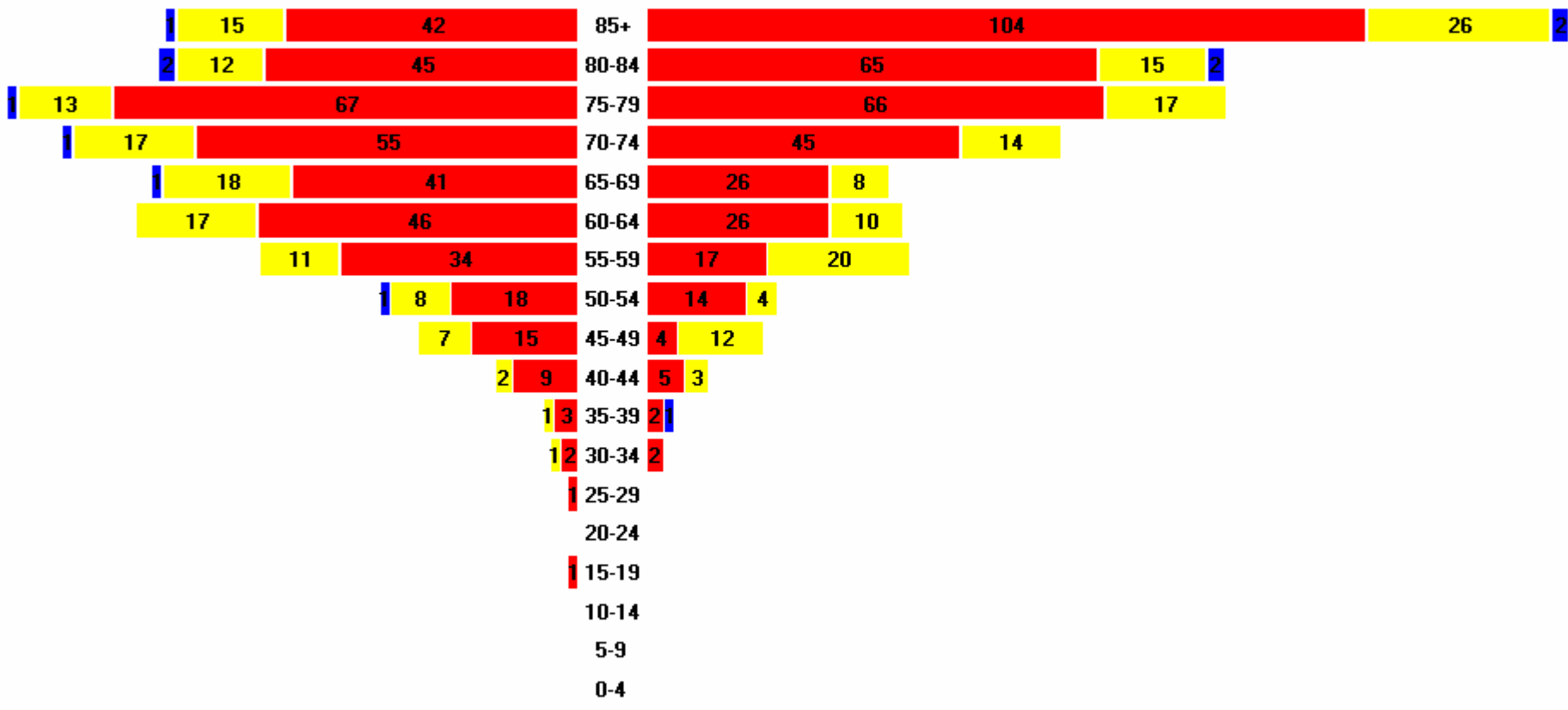
Age-specific rate per 100,000 population



Number of Colorectal Cancer Deaths by Gender, Age, and Race/Ethnicity, Maryland 2002

Legend
 Unspecified
 White
 Black
 Other

Event Count Pyramid
 1,018 Events



Male

Female

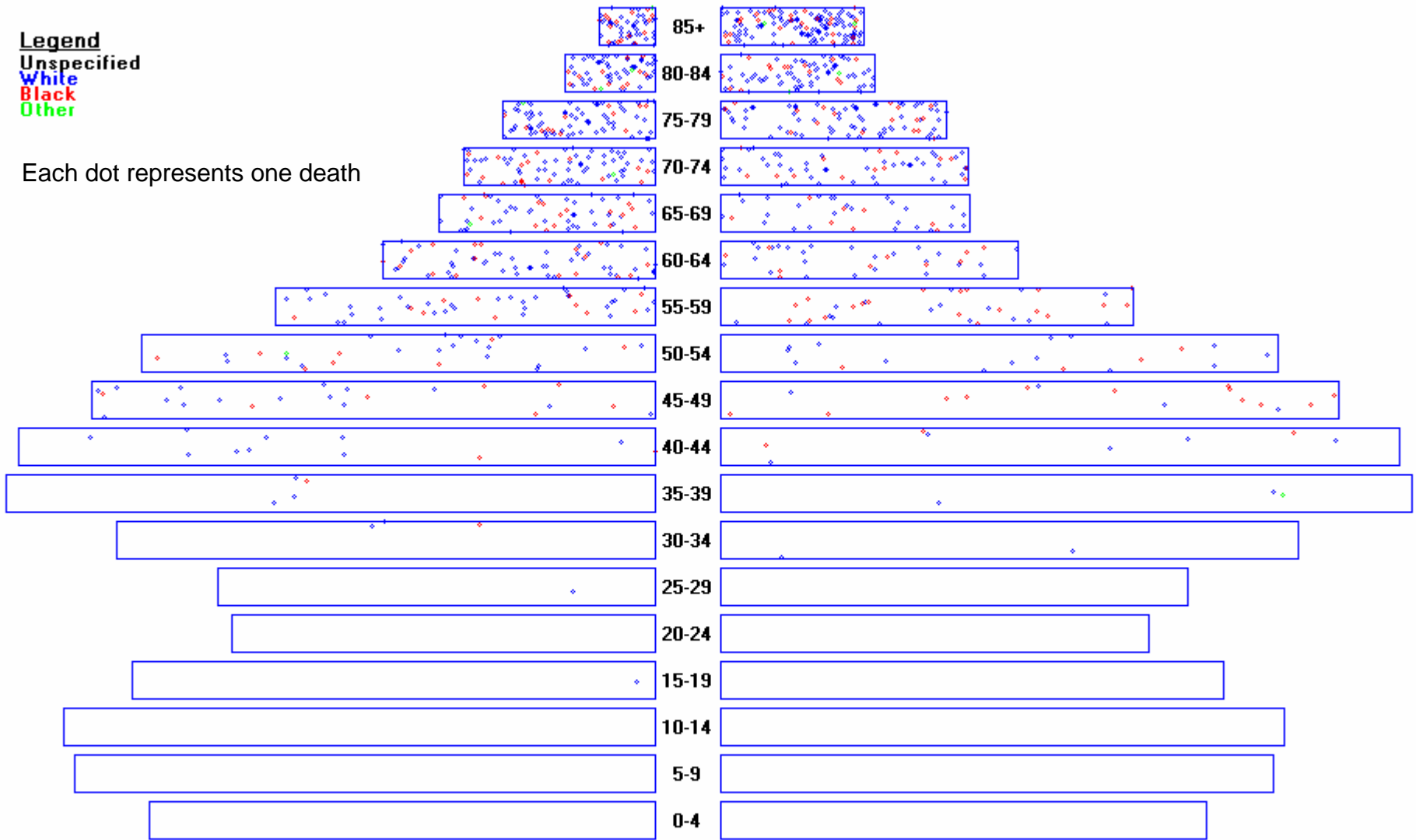
>> colon and rectum
 >> ALL SEXES
 >> ALL RACES
 >> ALL AGES

PPT Tools—Ed Bunker ebunker@jhmi.edu using Vital Statistics Data

Colorectal Cancer Deaths by Gender, Age, and Race/Ethnicity--Maryland 2002--Events by Size of Population

Legend
 Unspecified
 White
 Black
 Other

Each dot represents one death



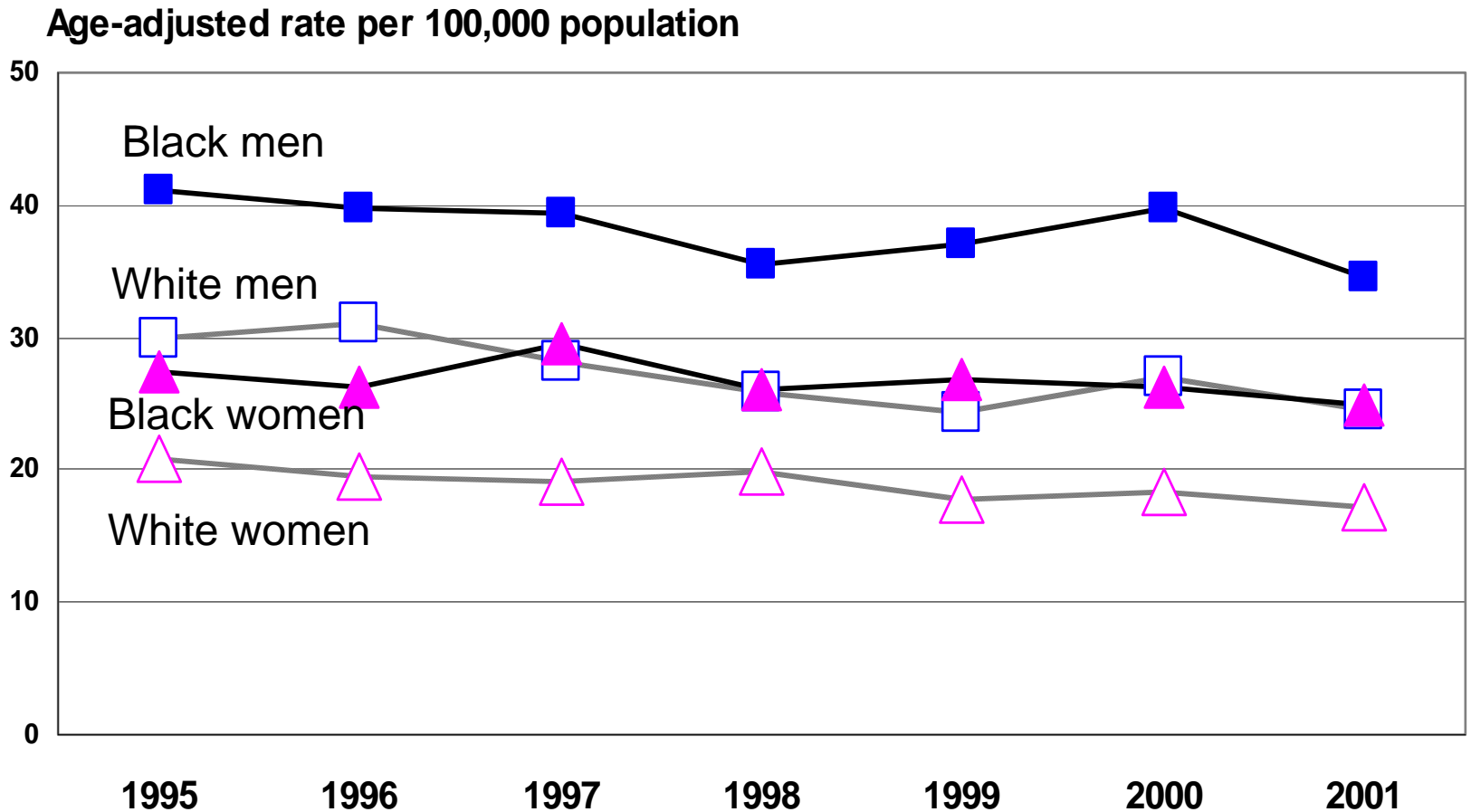
Male

Female

>> colon and rectum
 >> ALL SEXES
 >> ALL RACES
 >> ALL AGES

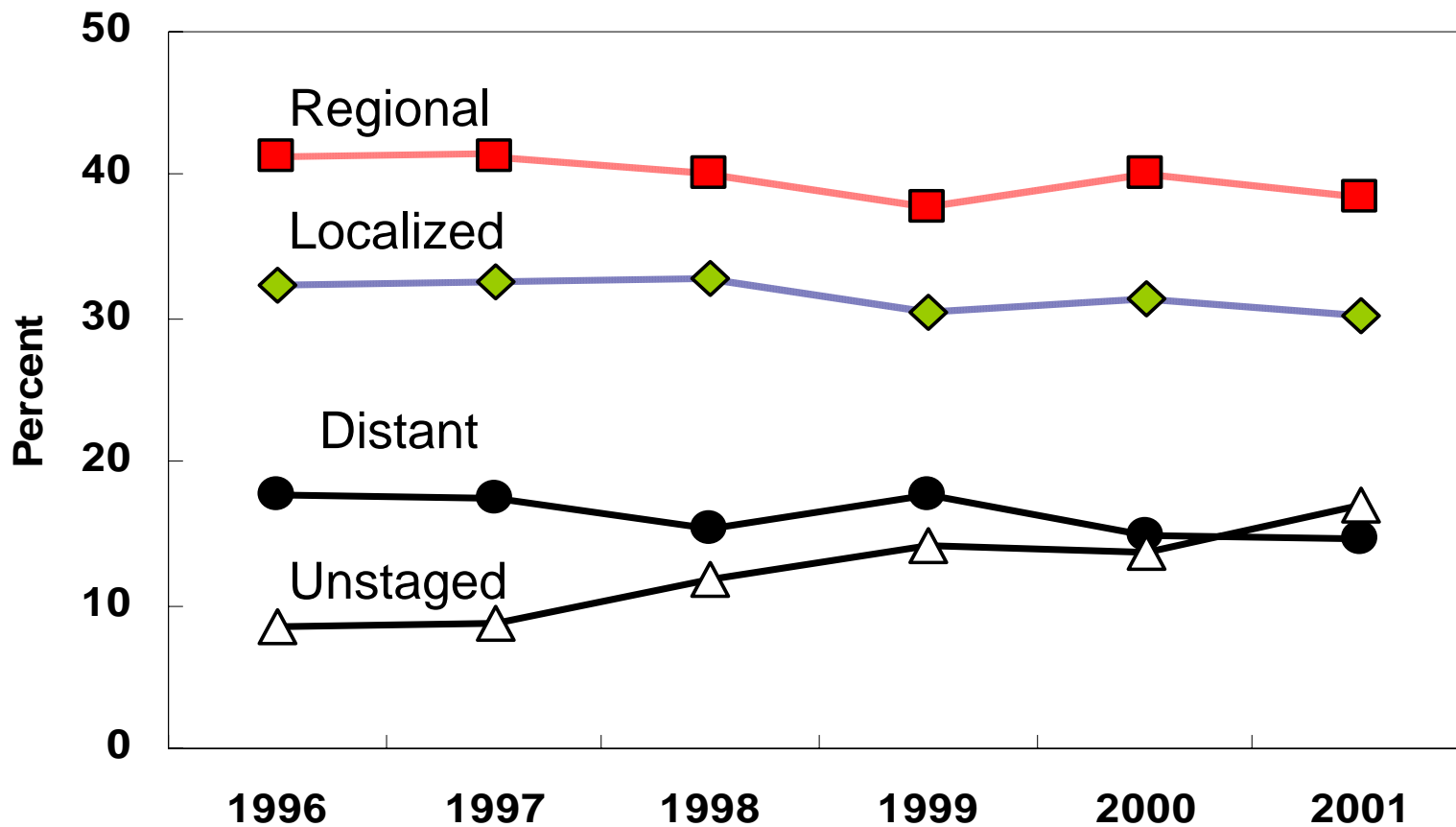
PPT Tools--Ed Bunker, ebunker@jhmi.edu, using Vital Statistics Data

Colorectal Cancer Mortality Rates by Race and Sex in Maryland, 1995-1999



Source: Maryland Cancer Registry, 1995-1999

Colorectal Cancer by Stage at Diagnosis Maryland, 1996-2001

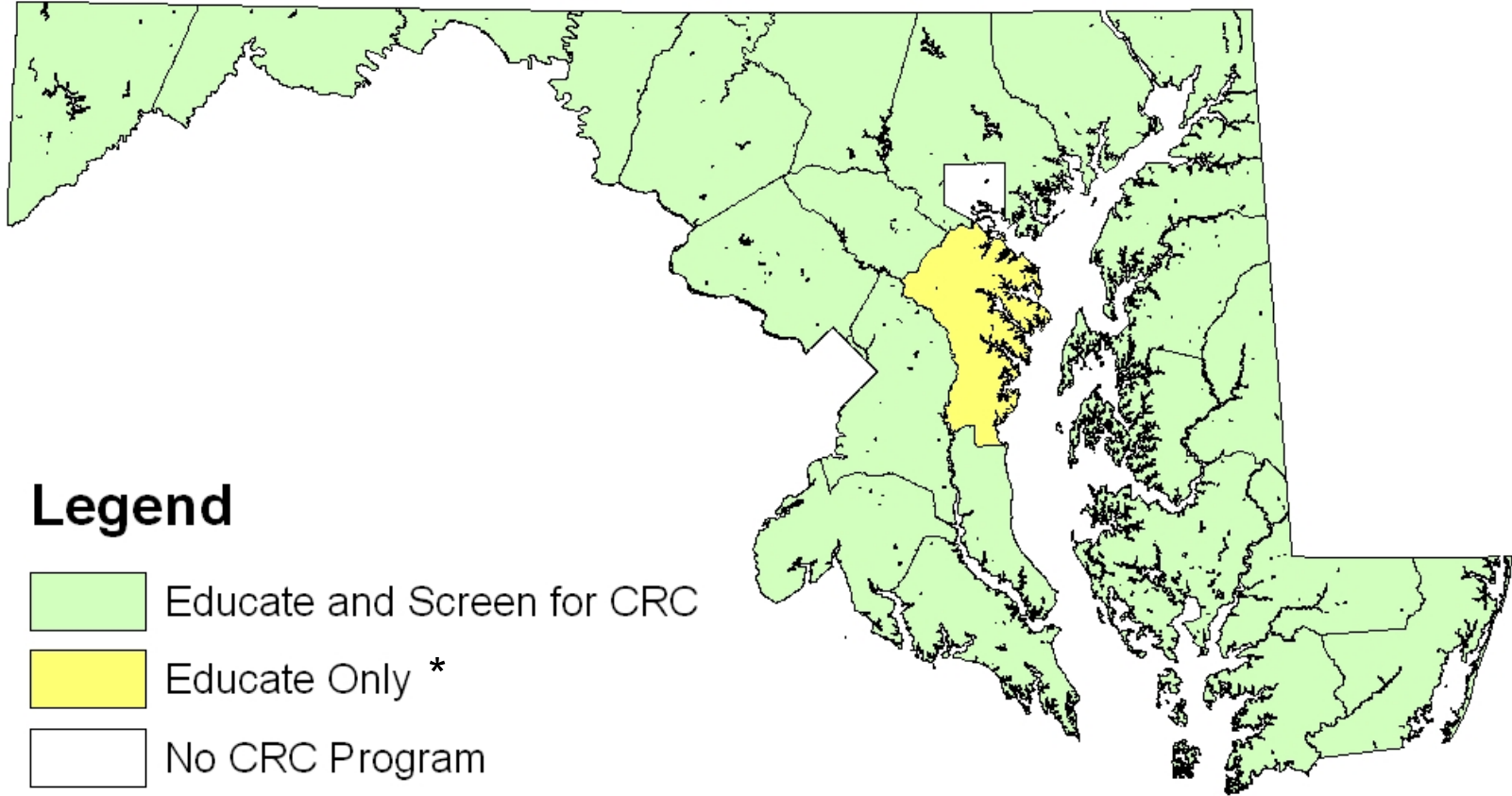


Source: Maryland Cancer Registry, 1996-2001

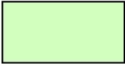


Colorectal Cancer Education and Outreach

Cigarette Restitution Fund Programs
Maryland, 2000-2005

Colorectal Cancer CRC CRF Programs in Maryland FY 2005

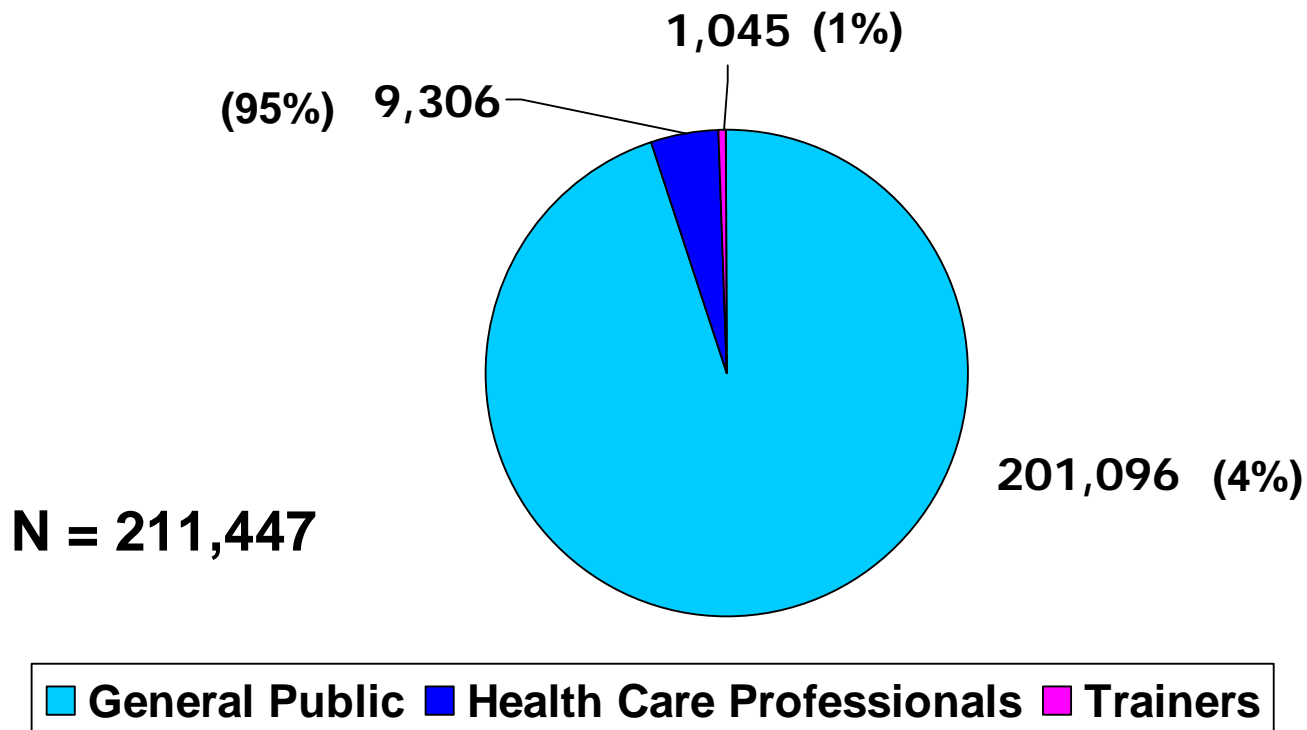


Legend

-  Educate and Screen for CRC
-  Educate Only *
-  No CRC Program

* Screened for CRC in FY 2001-2003

**Colorectal Cancer
Number Educated in Brief, Group, or Individual Sessions
by Type of Audience
Maryland, July 2000 - March 31, 2005**



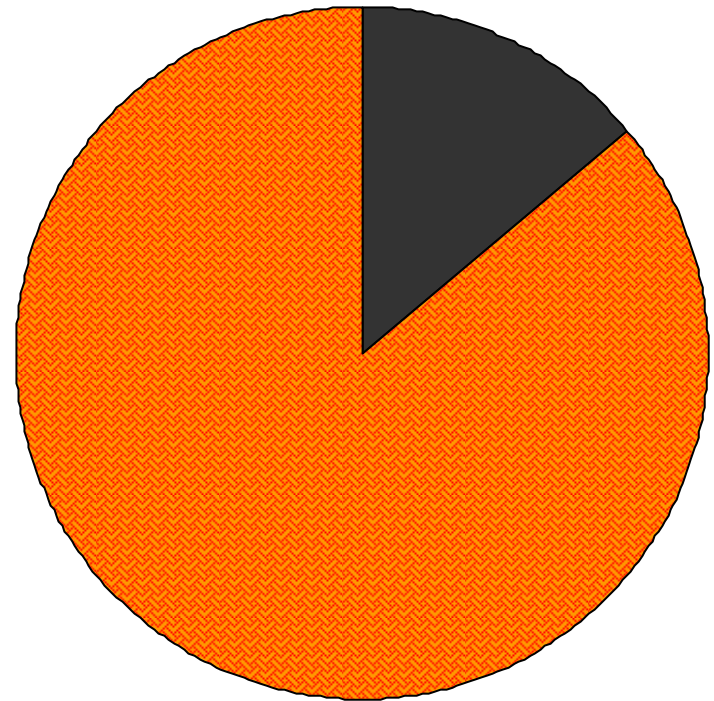
**Colorectal Cancer
Number Targeted via Media, Newspapers, Pamphlets,
Billboards, etc.
Maryland, July 2000 - March 31, 2005**

Media, Newspapers, Pamphlets, Billboards, etc.
Colorectal cancer messages targeted to reach
>71 million people

Colorectal Cancer: Population-based Data on Knowledge and Screening

Among those 40+ years, knowledge is high:

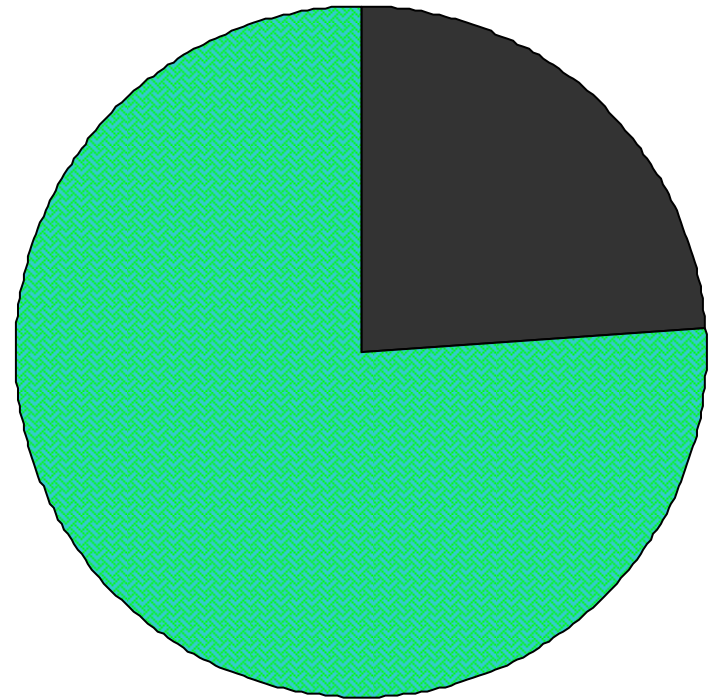
- 86% had seen or heard about CRC screening in media



Source: Maryland Cancer Survey, 2004

Among those 40+ years, knowledge is high:

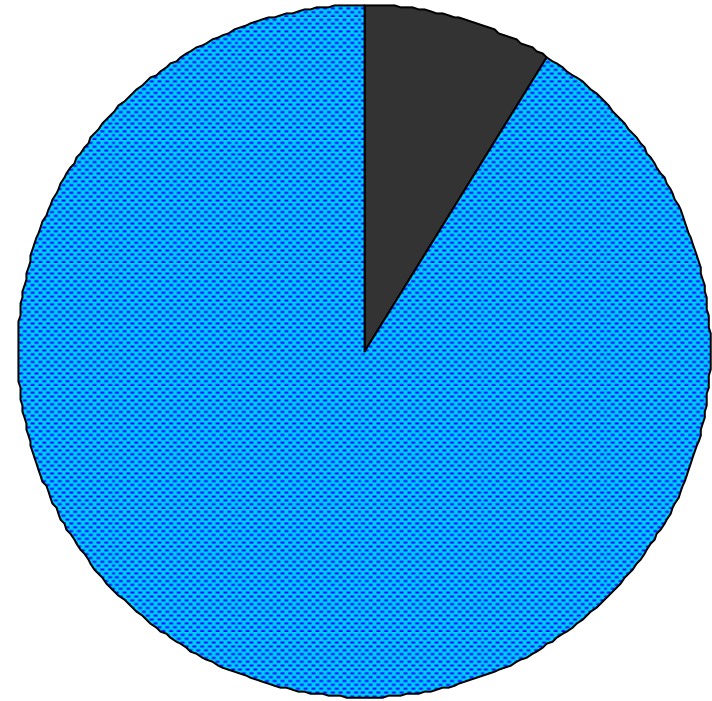
- 76% had heard of home FOBT kit for CRC screening



Source: Maryland Cancer Survey, 2004

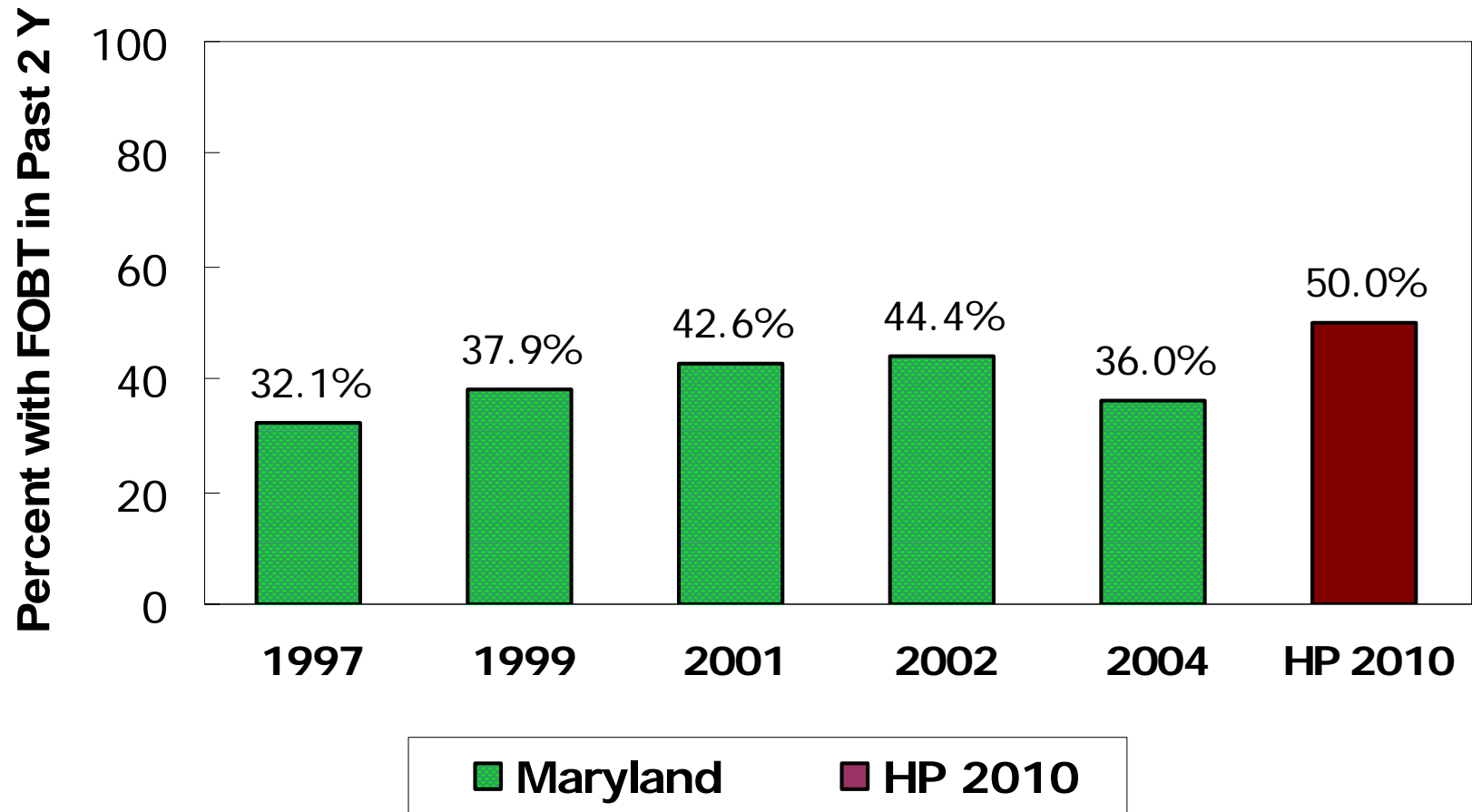
Among those 40+ years, knowledge is high:

- 91% had heard of endoscopy for CRC screening



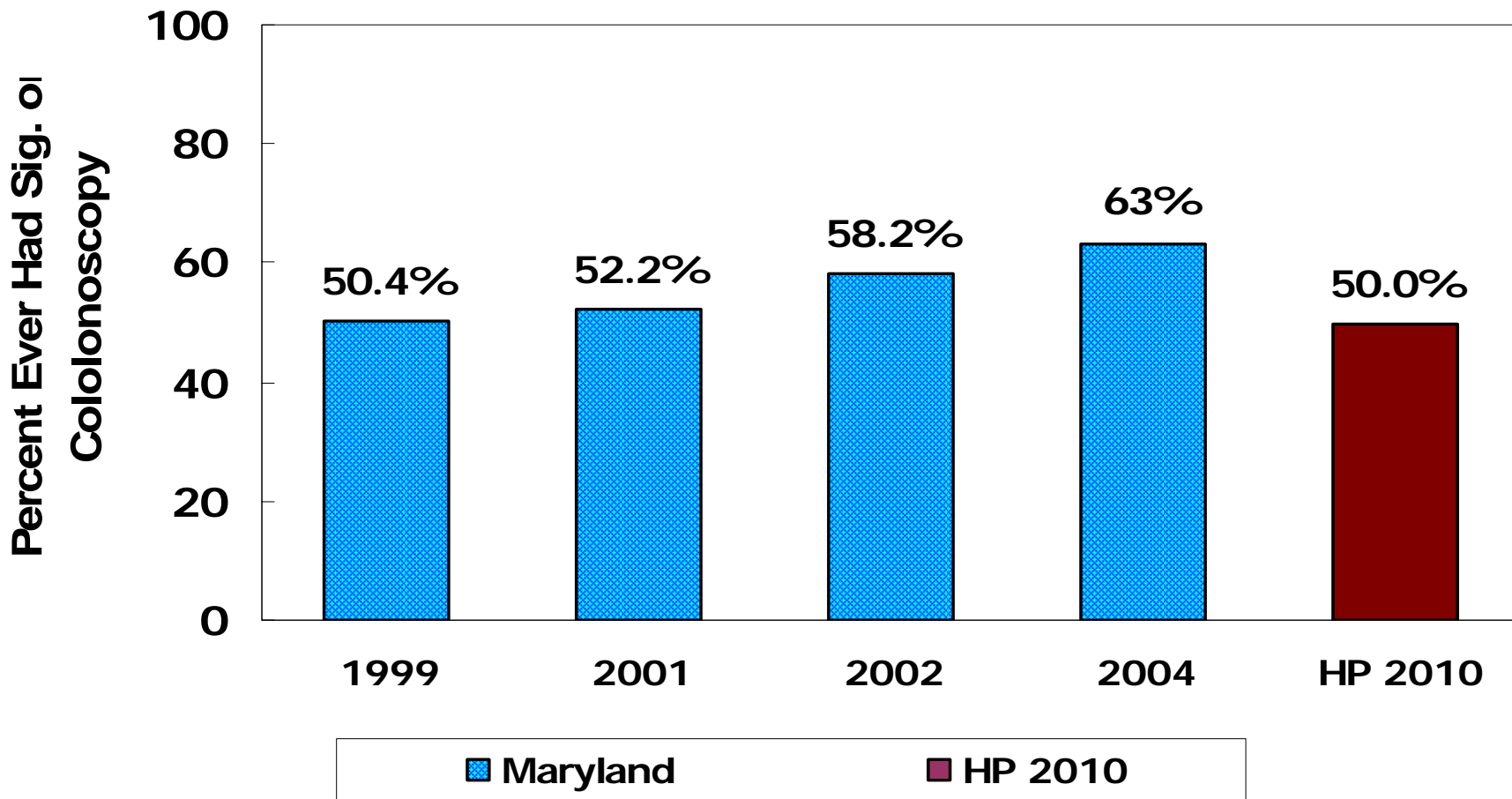
Source: Maryland Cancer Survey, 2004

Maryland Fecal Occult Blood Test in Past 2 Years 50 Years and Older, by Year of Survey Compared to Healthy People 2010 Objective



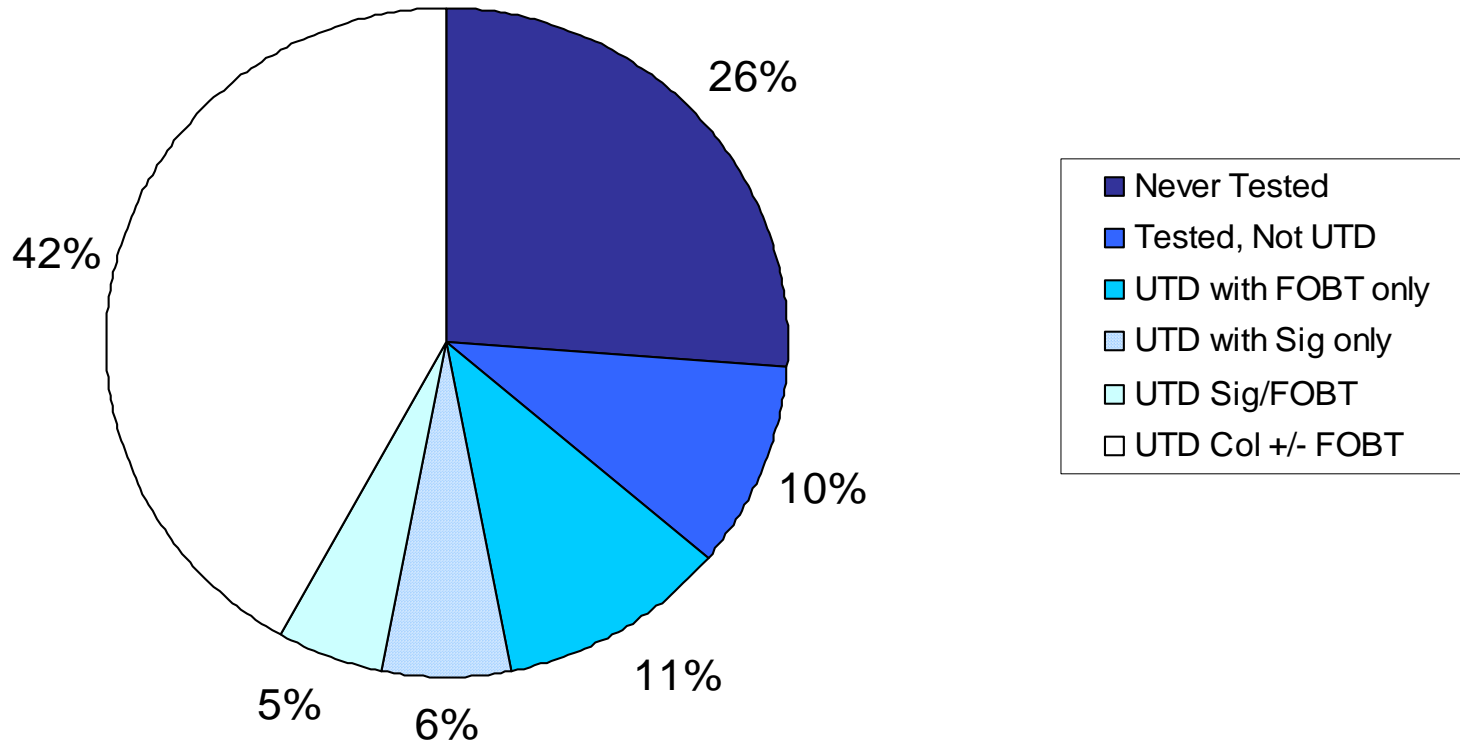
Sources: BRFSS, Maryland DHMH Office of Surveillance and Assessment, 1997, 1999, 2001
Maryland Cancer Survey, DHMH Center for Cancer Surveillance and Control, 2002, 2004

Maryland--Ever Had Sigmoidoscopy and Colonoscopy 50 Years and Older by Year of Survey Compared to Healthy People 2010 Objective



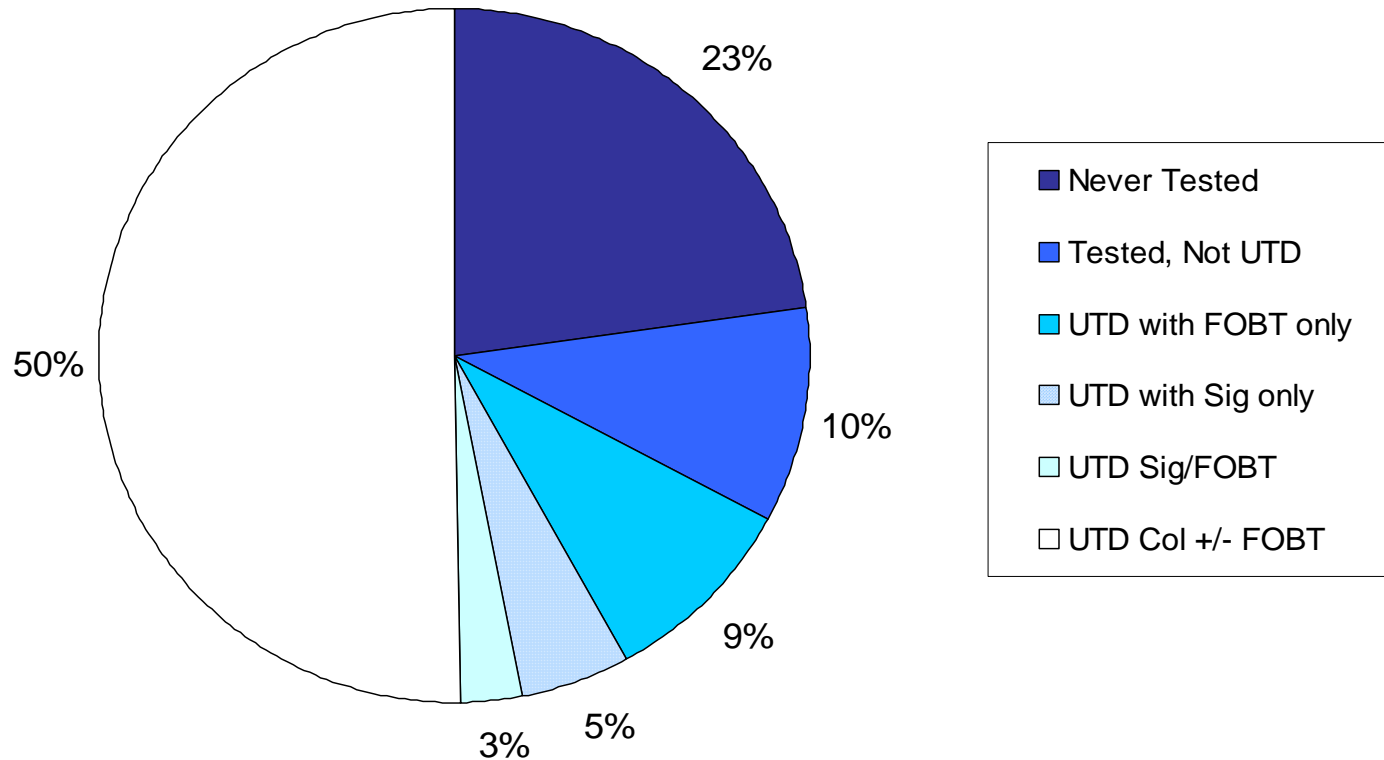
Sources: BRFSS, Maryland DHMH Office of Surveillance and Assessment, 1999, 2001
Maryland Cancer Survey, DHMH Center for Cancer Surveillance and Control, 2002, 2004

Current CRC Screening Status of Marylander's ≥ 50 years old Maryland Cancer Survey, 2002



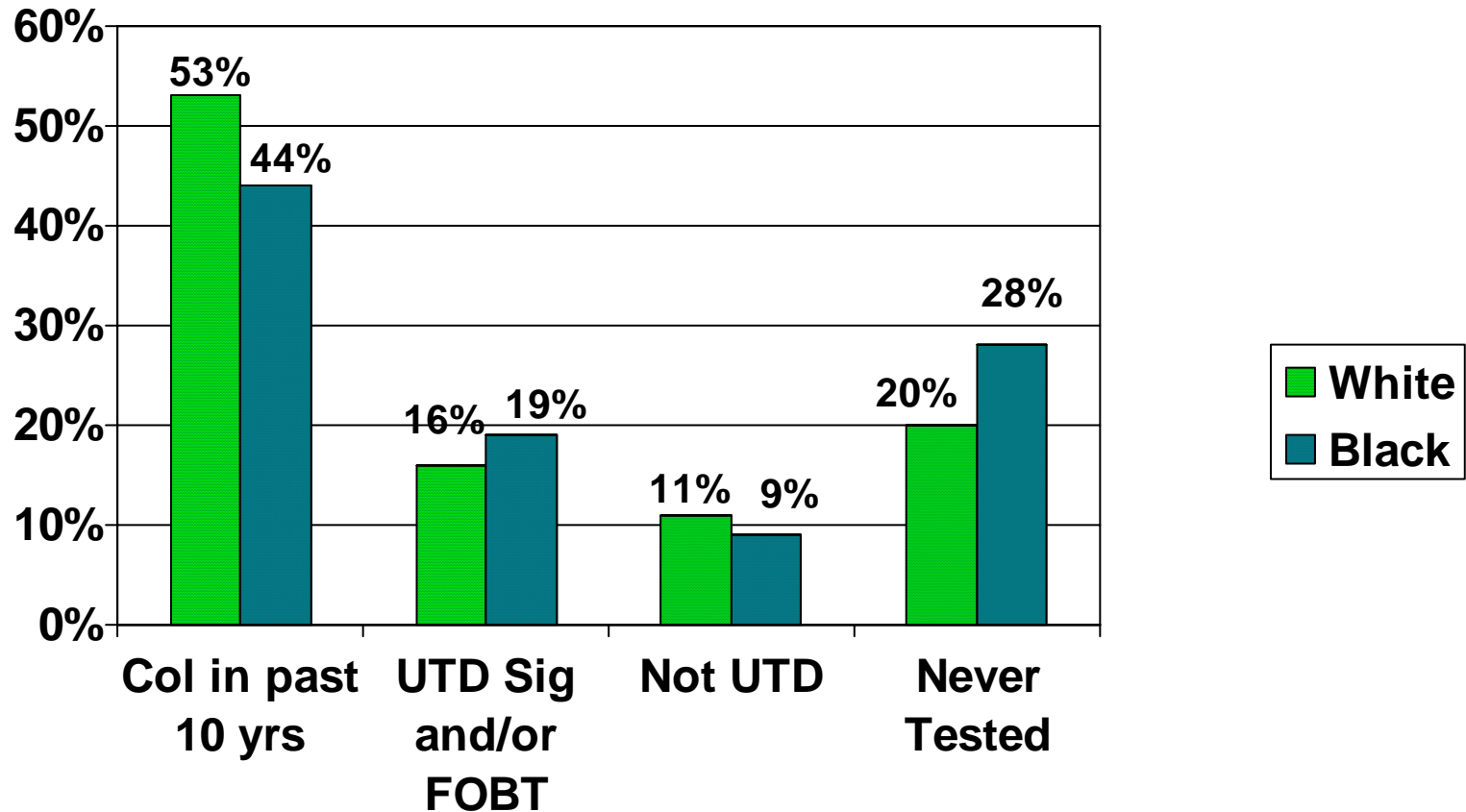
*UTD—Up to date per Am. Cancer Society options for screening

Current CRC Screening Status of Marylander's ≥ 50 years old Maryland Cancer Survey, 2004

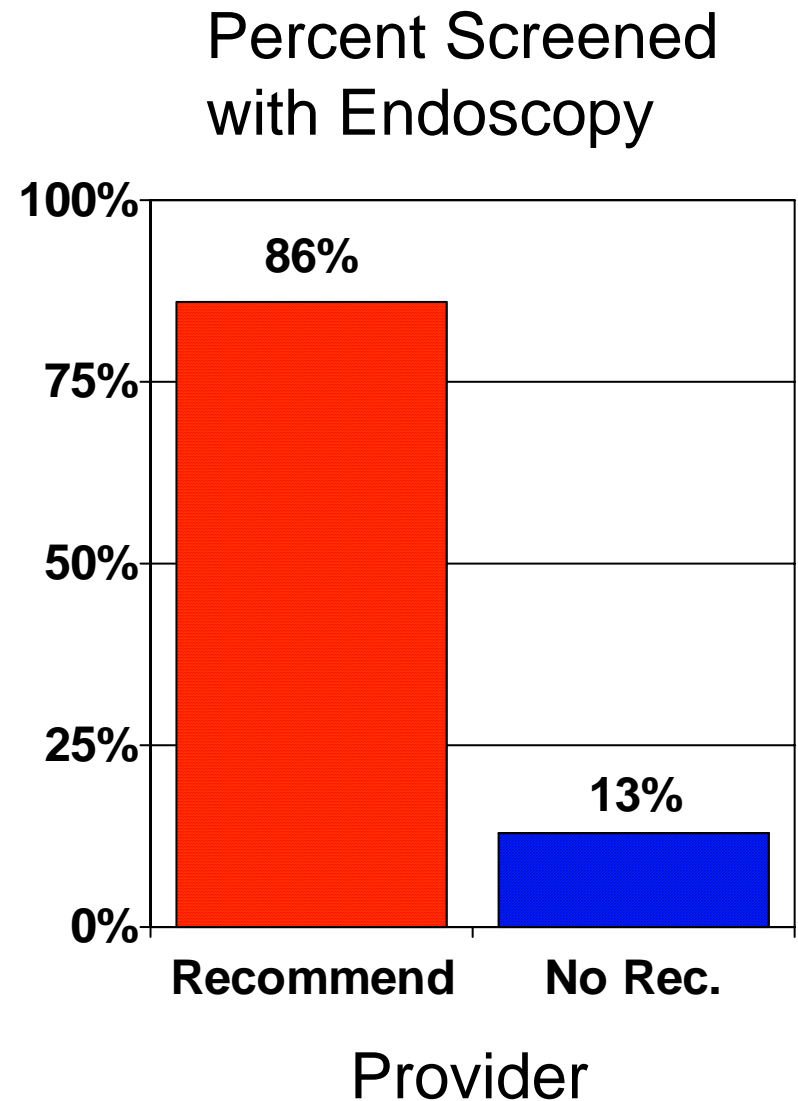


*UTD—Up to date per Am. Cancer Society options for screening

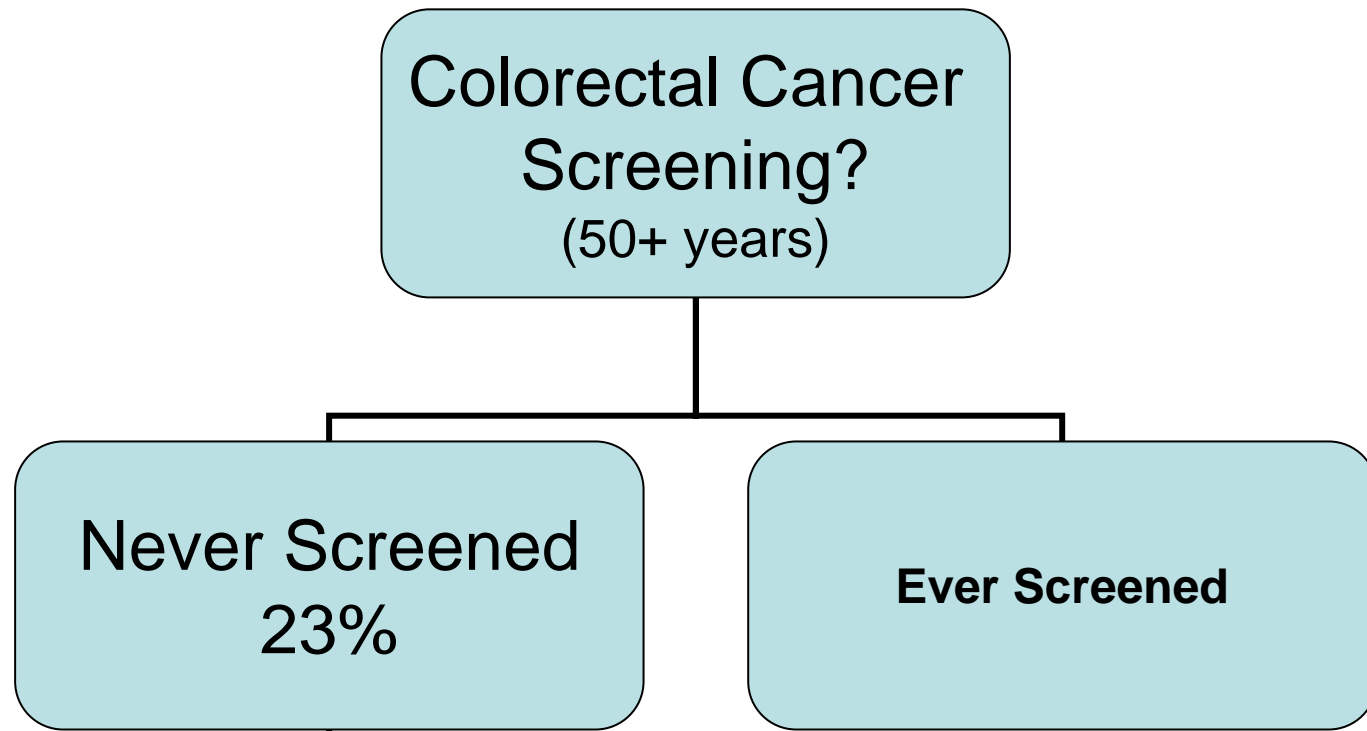
Current CRC Screening Status Comparison of Whites and Blacks 50+ Years Old Maryland Cancer Survey, 2004



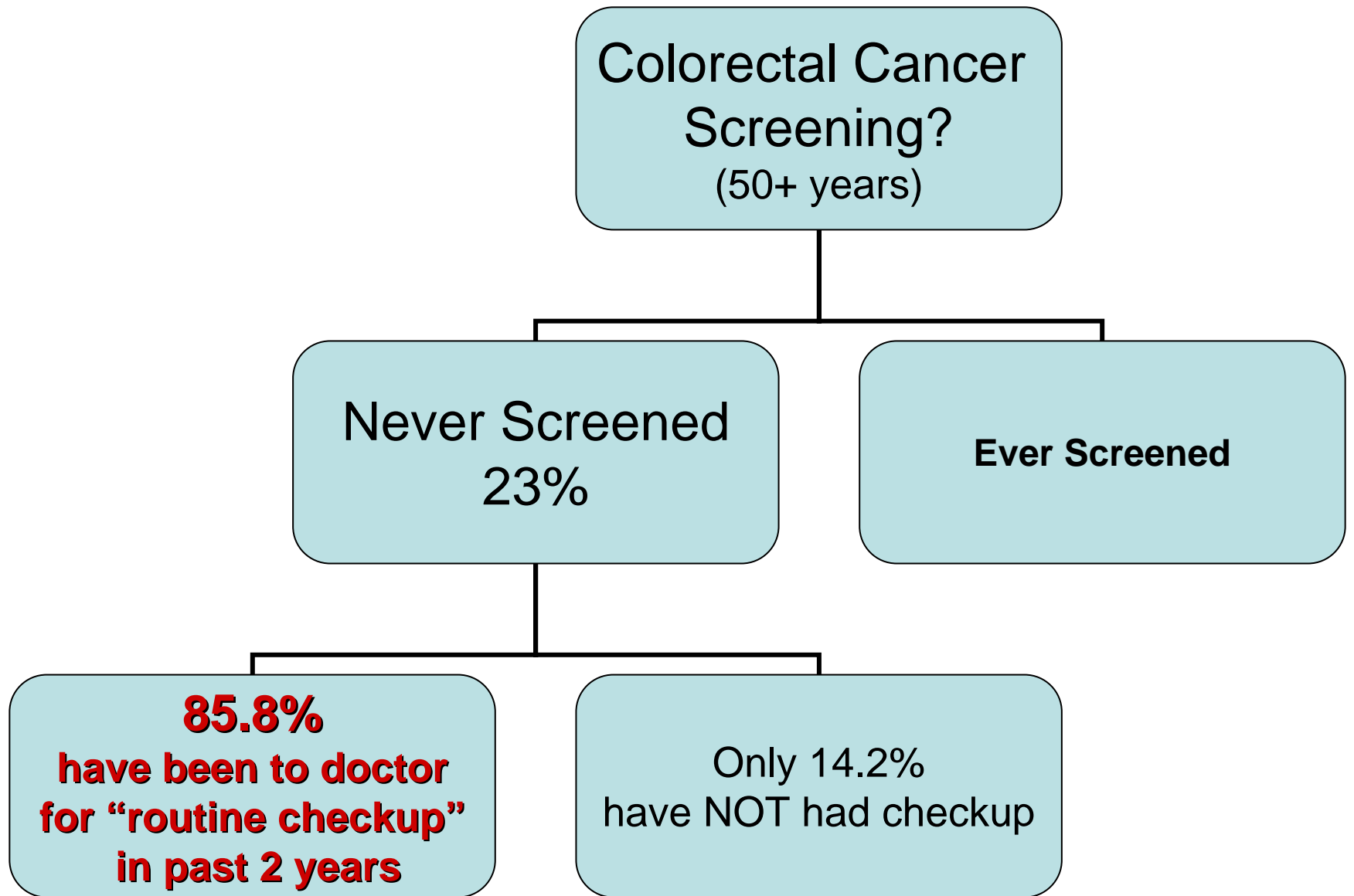
- **People reporting a provider's recommendation for endoscopy got screened**



Source: Maryland Cancer Survey, 2002 and 2004



Source: Maryland Cancer Survey, 2004



Source: Maryland Cancer Survey, 2004

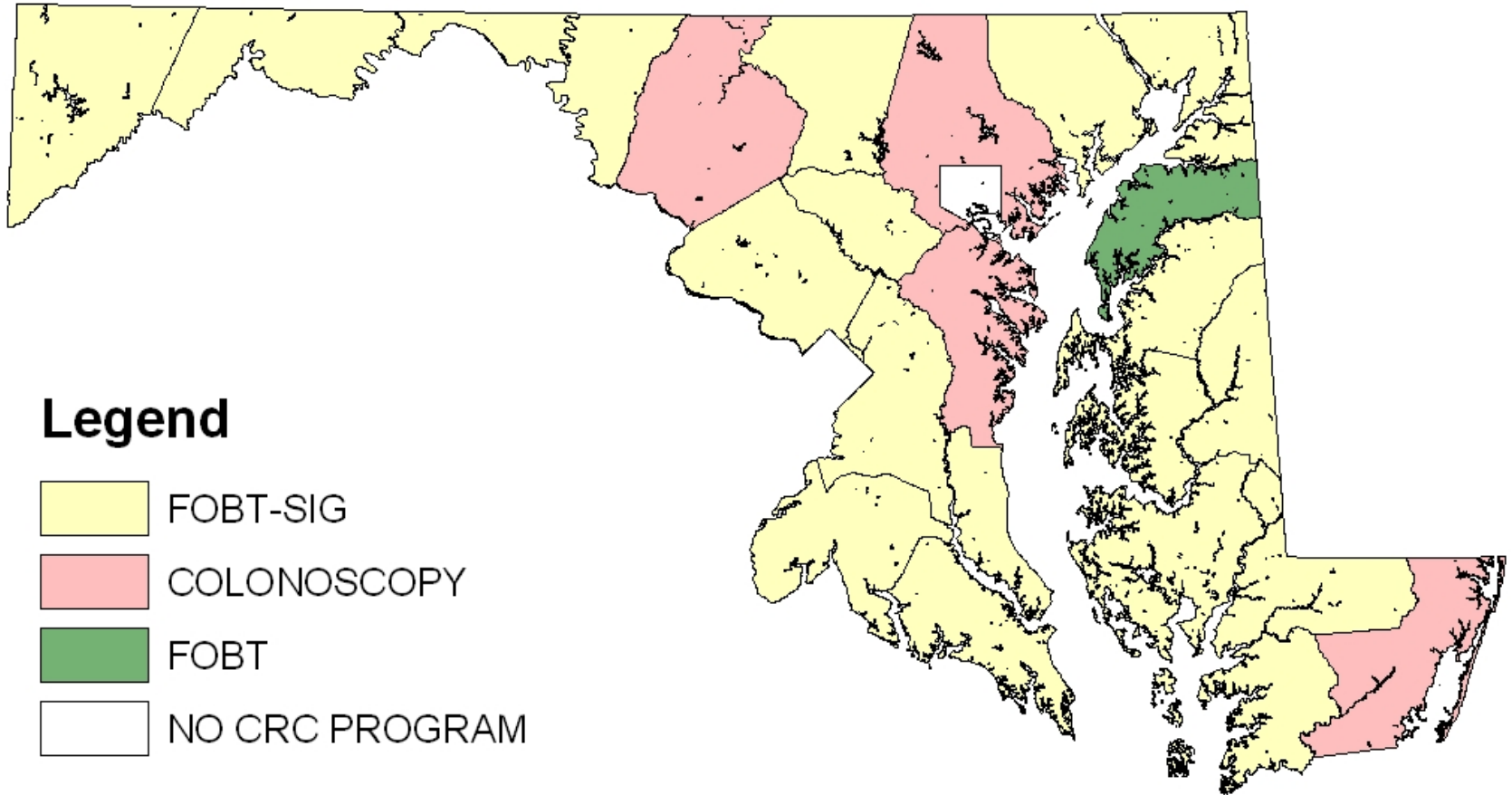
Cigarette Restitution Fund (CRF) CRC Screening in Maryland

Cigarette Restitution Fund CRC Screening Eligibility

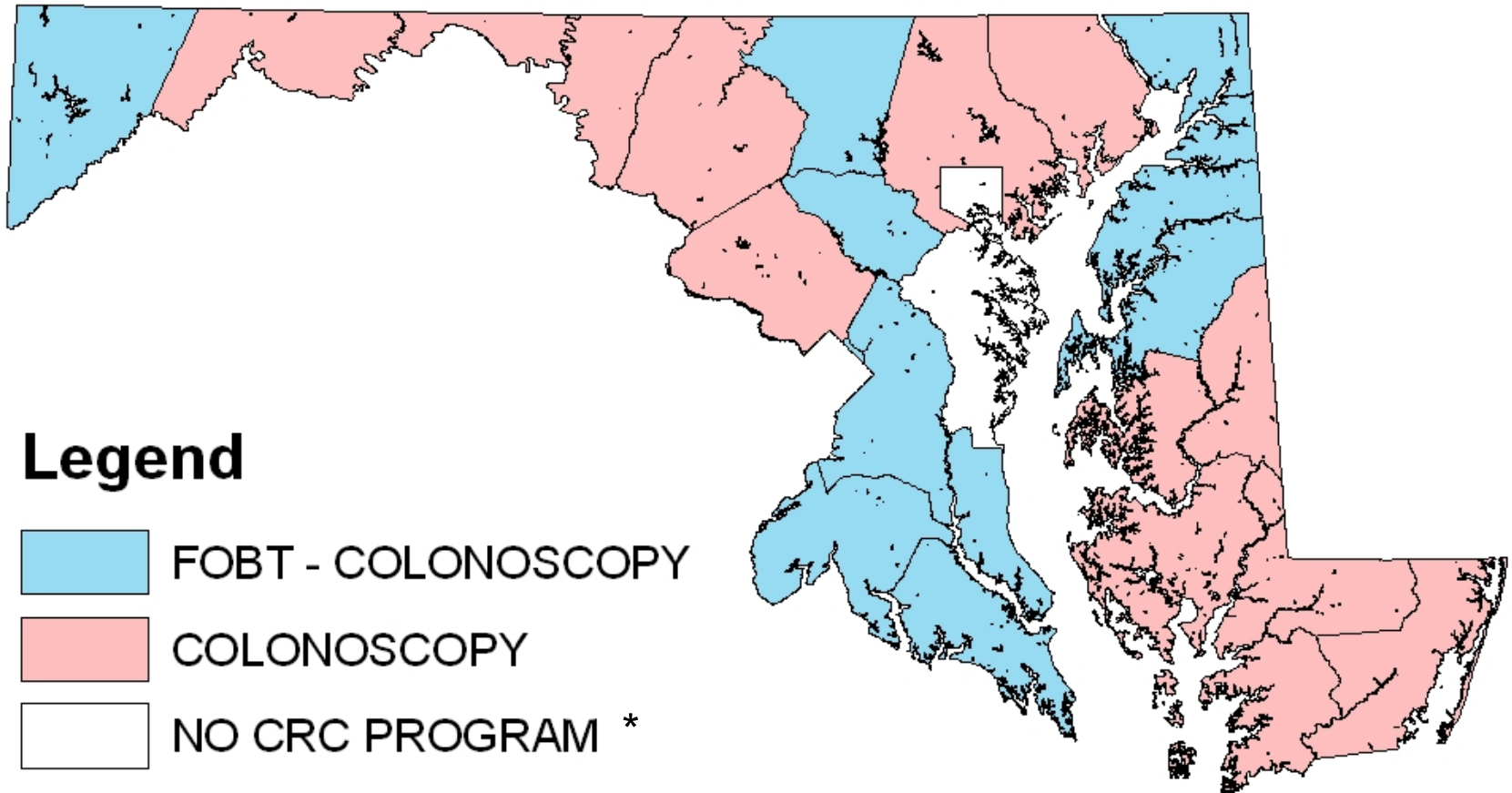
- Uninsured
- Underinsured (some programs)
- Low income (usually <250% of Federal poverty guideline)

- Programs may give FOBT to any income and insurance status

Colorectal Cancer Screening for Average Risk Clients by Type of Initial Screening Test -- FY 2001



Colorectal Cancer Screening for Average Risk Clients by Type of Initial Screening Test - FY 2004



*Anne Arundel County does CRC education without screening as of 2004

Summary of CRF CRC Screening

As of March 31, 2005:

7,715 FOBTs (all income levels)

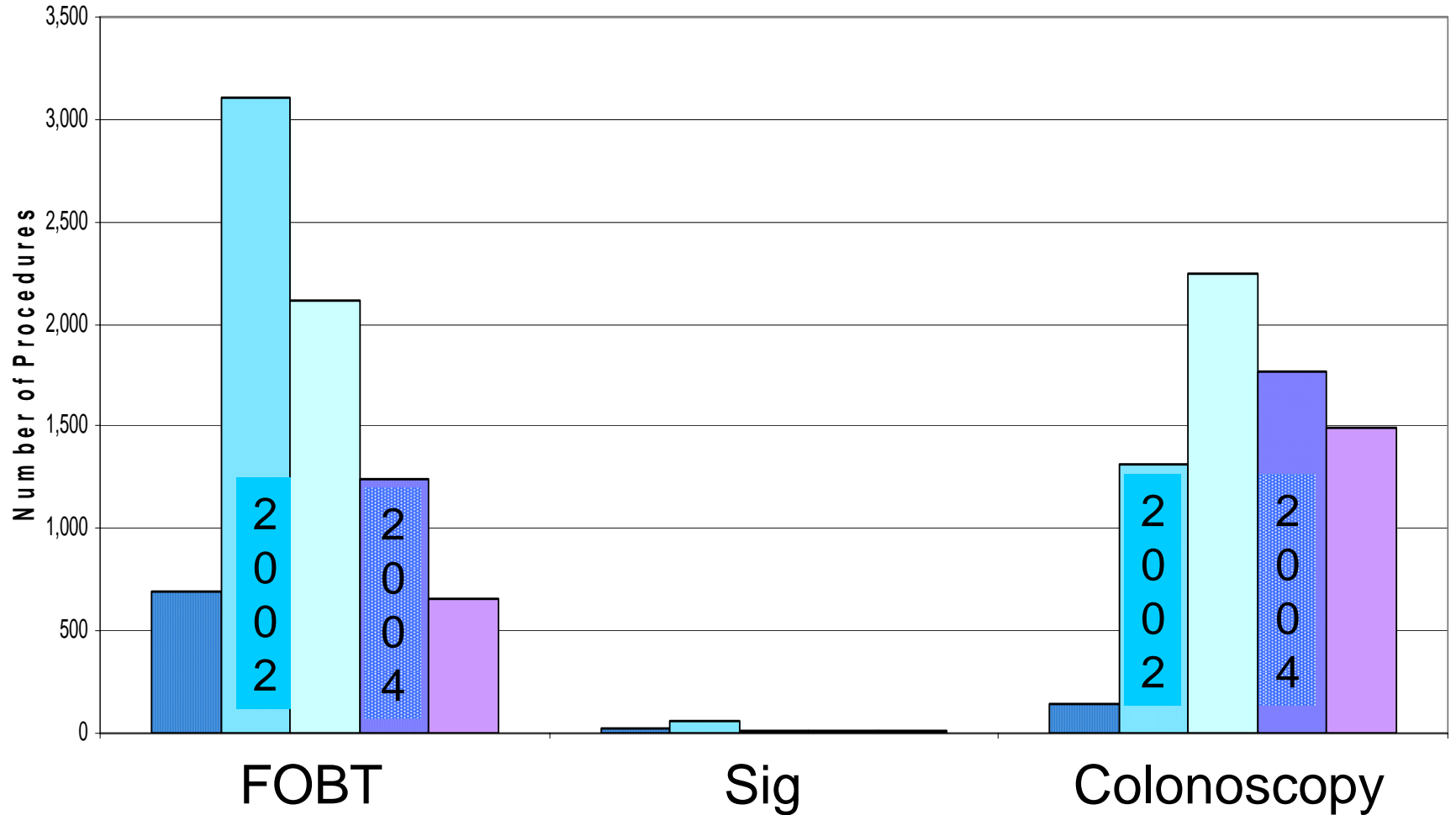
115 Sigmoidoscopies

6,799 Colonoscopies

11,500 People with one or more screening procedures

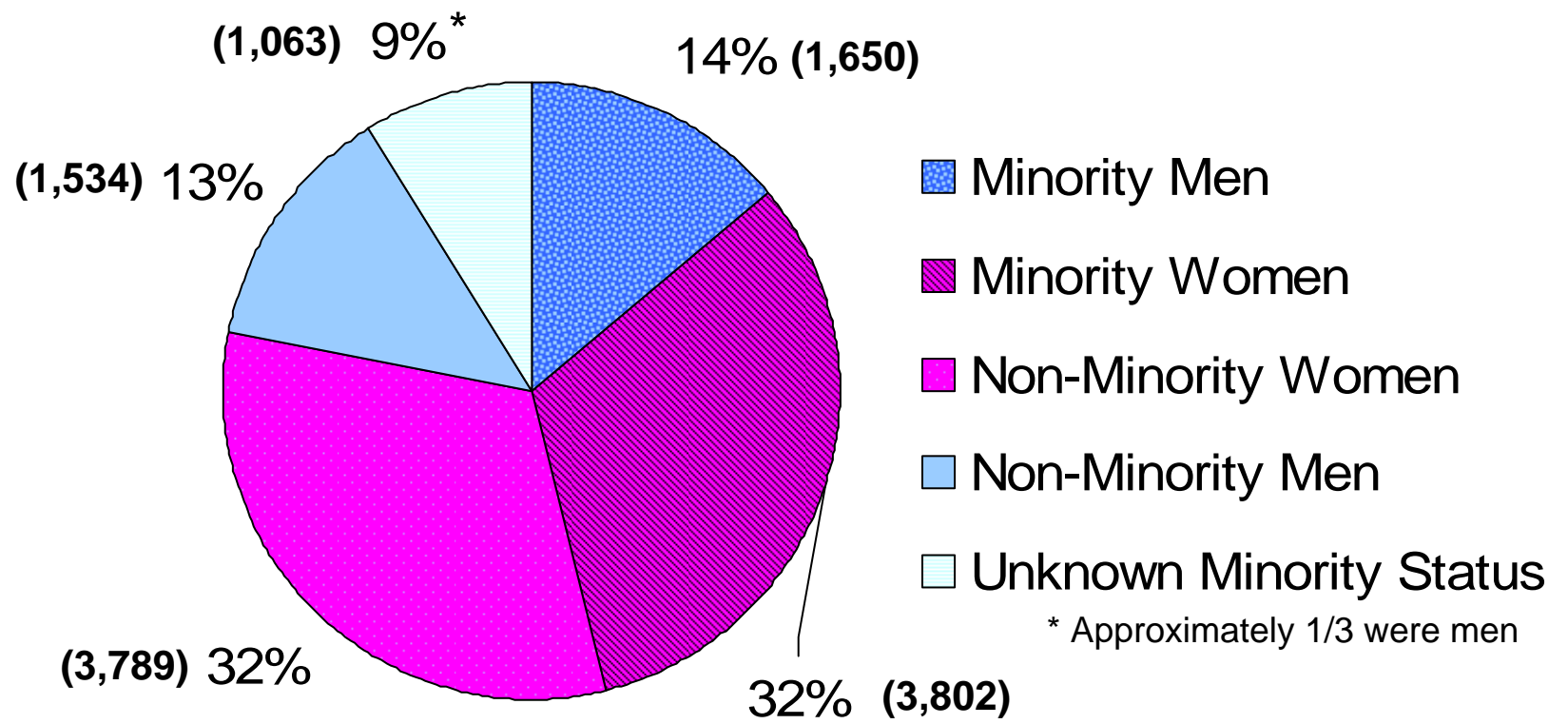
13,669 CRC screening cycles

**Number of Colorectal Cancer Screenings by
Procedure and Fiscal Year
January 2000 - May 25, 2005**

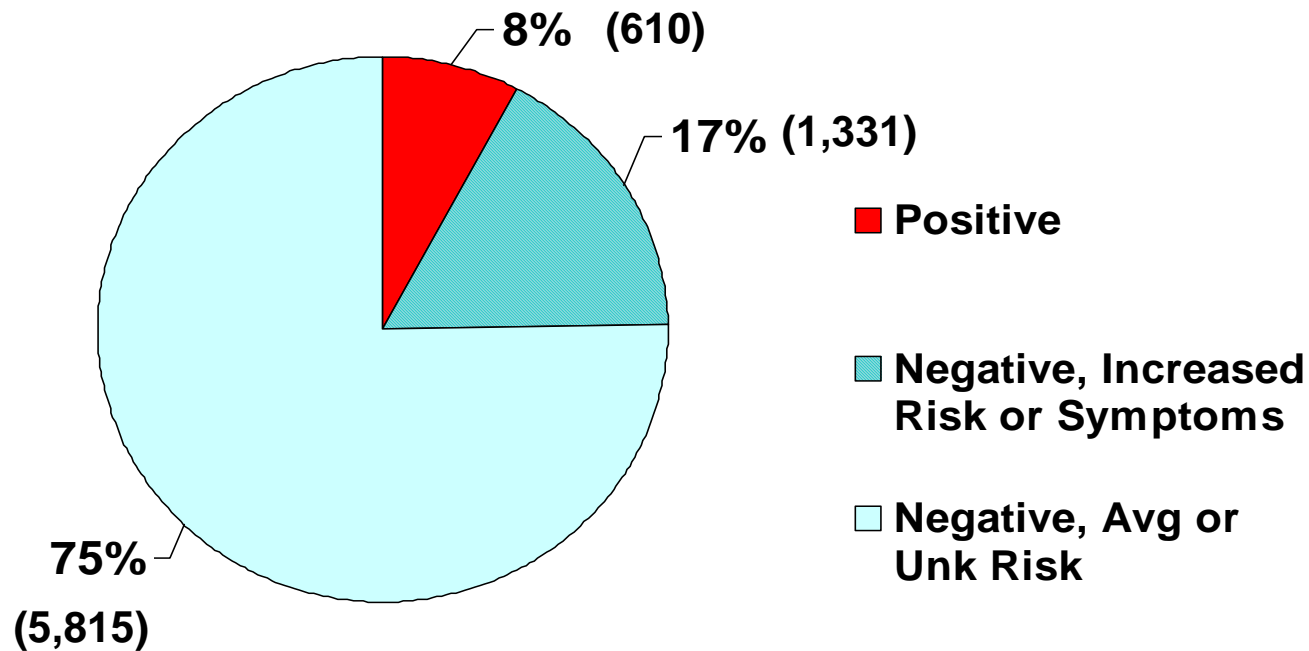


Source: CRF/CPEST Cancer Client Database, C-CoPD, as of 5/25/05

Screening by Minority Race/Ethnicity and Gender
Maryland Colorectal Cancer Program
Cigarette Restitution Fund, Jan 2000 - March 31, 2005

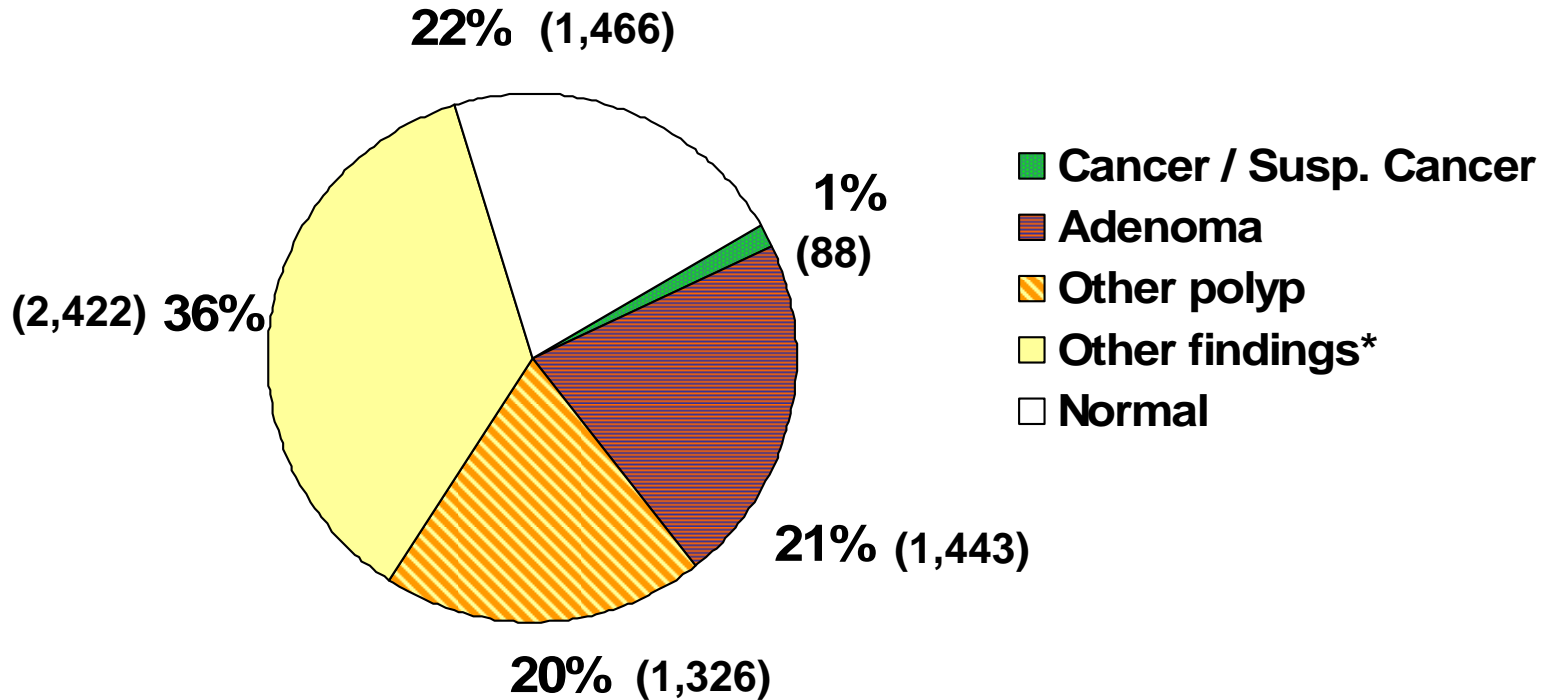


Findings among 7,756 Fecal Occult Blood Tests
Maryland Colorectal Cancer Program
Cigarette Restitution Fund, Jan 2000—March 31, 2005



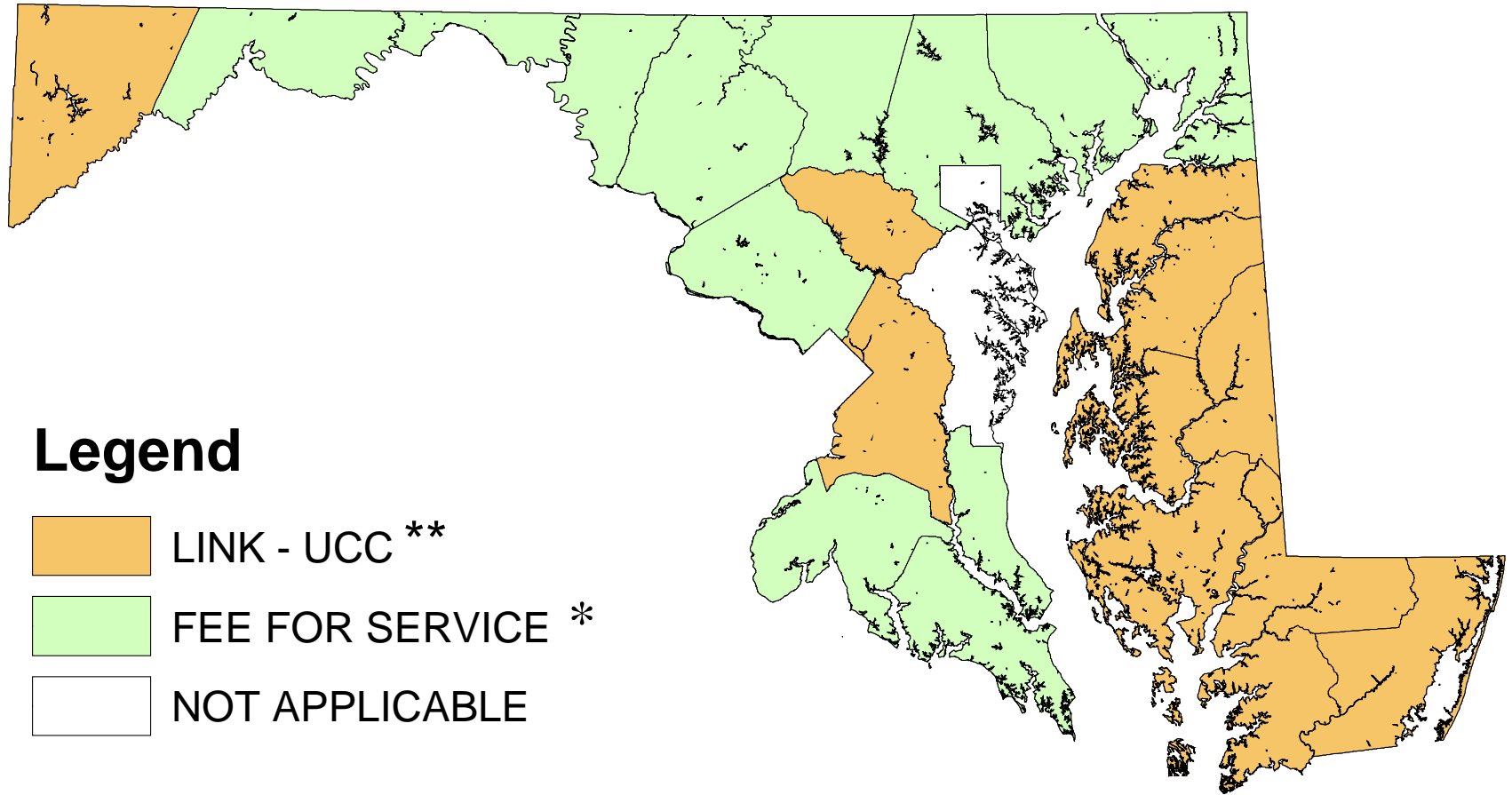
Source: DHMH, Client Database, C-FL, as of 5/24/05

Findings among 6,745 Colonoscopies
by Most Advanced Finding (mutually exclusive categories)
Maryland Colorectal Cancer Program Jan 2000 - March 31, 2005



*Other findings include diverticuli, hemorrhoids, inflammatory bowel dis.

Payment for Hospitalization -- FY 2004



* Pay for service until funds are depleted

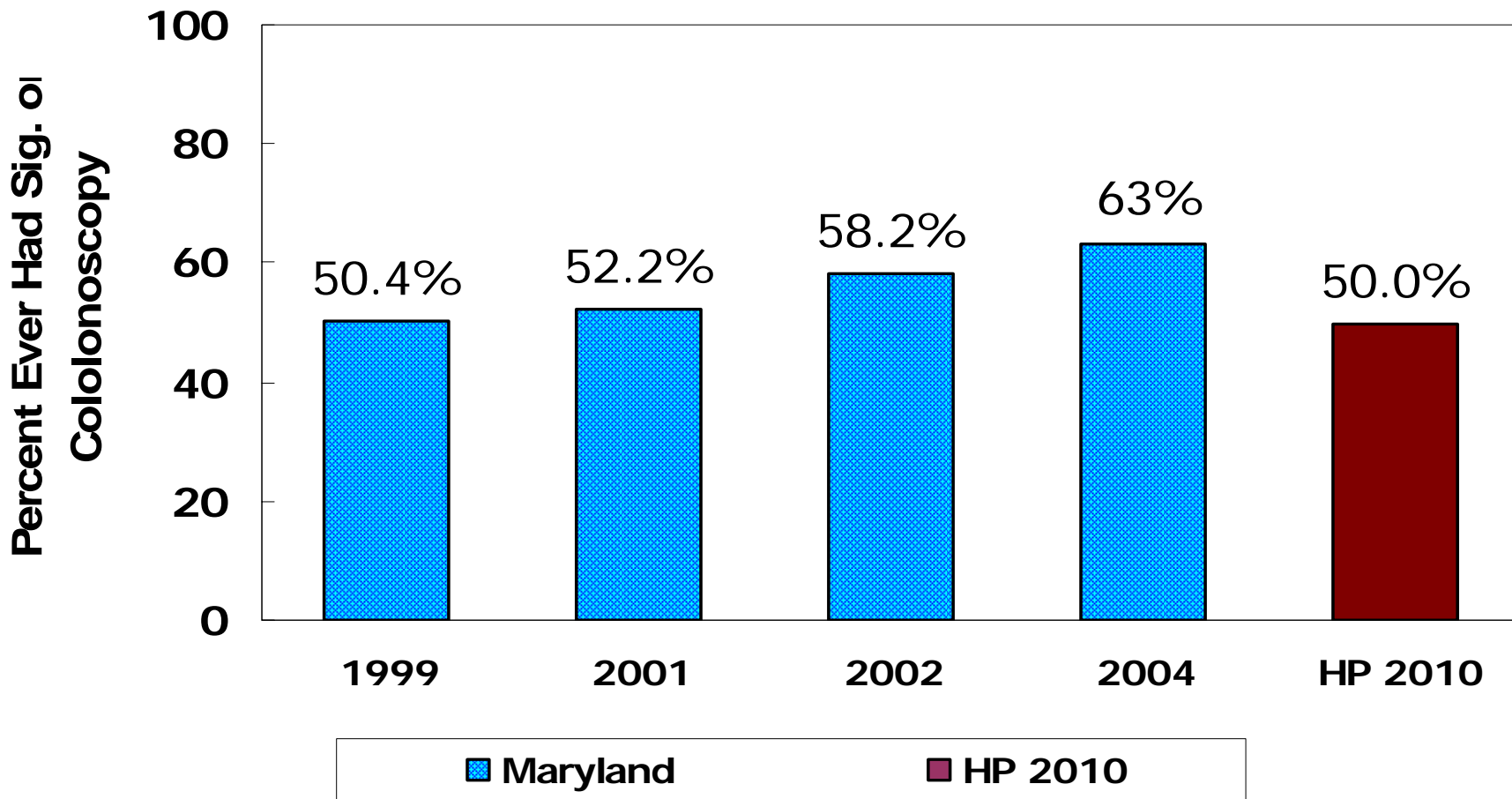
** Link client to Uncompensated Care (charity care) at hospitals

CRF Colorectal Program Status

- Public Health CRC Screening is feasible
- Budget cuts challenge our progress
- How to pay for diagnosis and treatment for those screened under CRF Program?
- How to screen those not covered by our program or by insurance (e.g., Baltimore City)?
- How to work with partners to get *everyone* age-appropriately screened (Providers, Insurers, Coalitions, and Comp. Cancer Plan)?

Population-based Screening Data

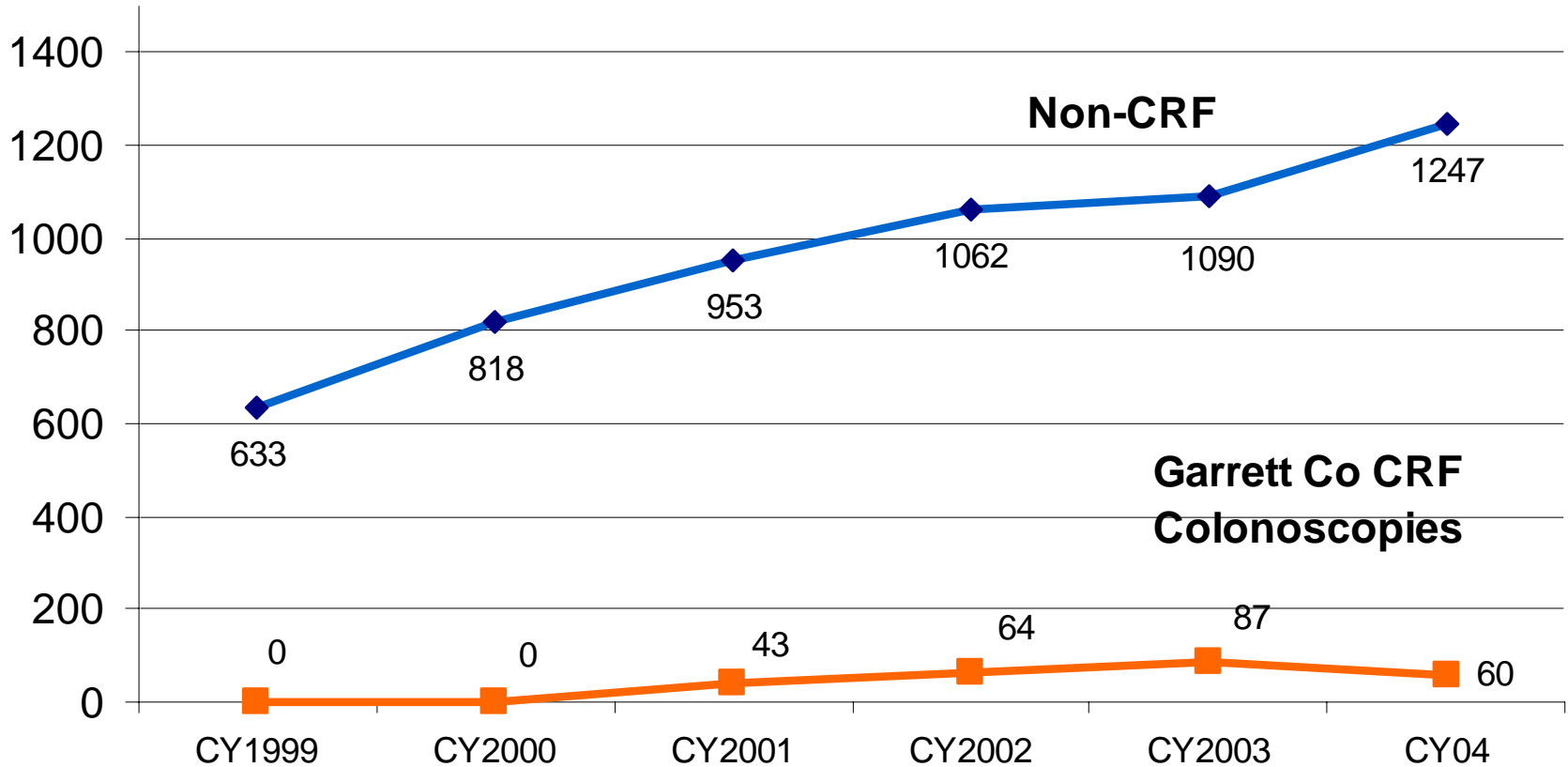
Maryland--Ever Had Sigmoidoscopy and Colonoscopy 50 Years and Older by Year of Survey Compared to Healthy People 2010 Objective



Sources: BRFSS, Maryland DHMH Office of Surveillance and Assessment, 1999, 2001
Maryland Cancer Survey, DHMH Center for Cancer Surveillance and Control, 2002, 2004

Selected Endoscopy Center Results 1999-2004

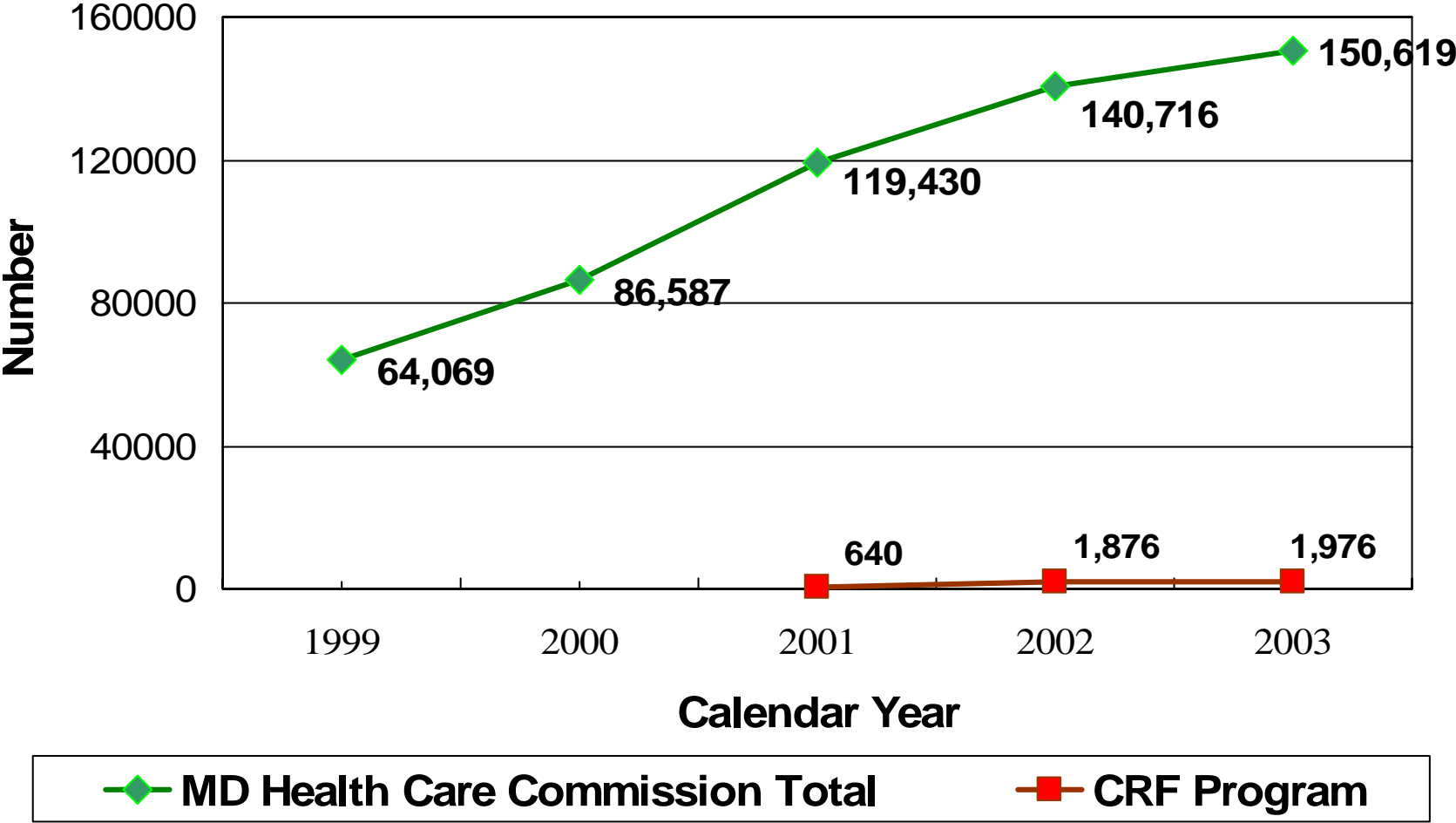
Garrett County--Garrett Memorial Hospital Colonoscopies CY 1999-2002



Maryland Health Care Commission (MHCC) Data

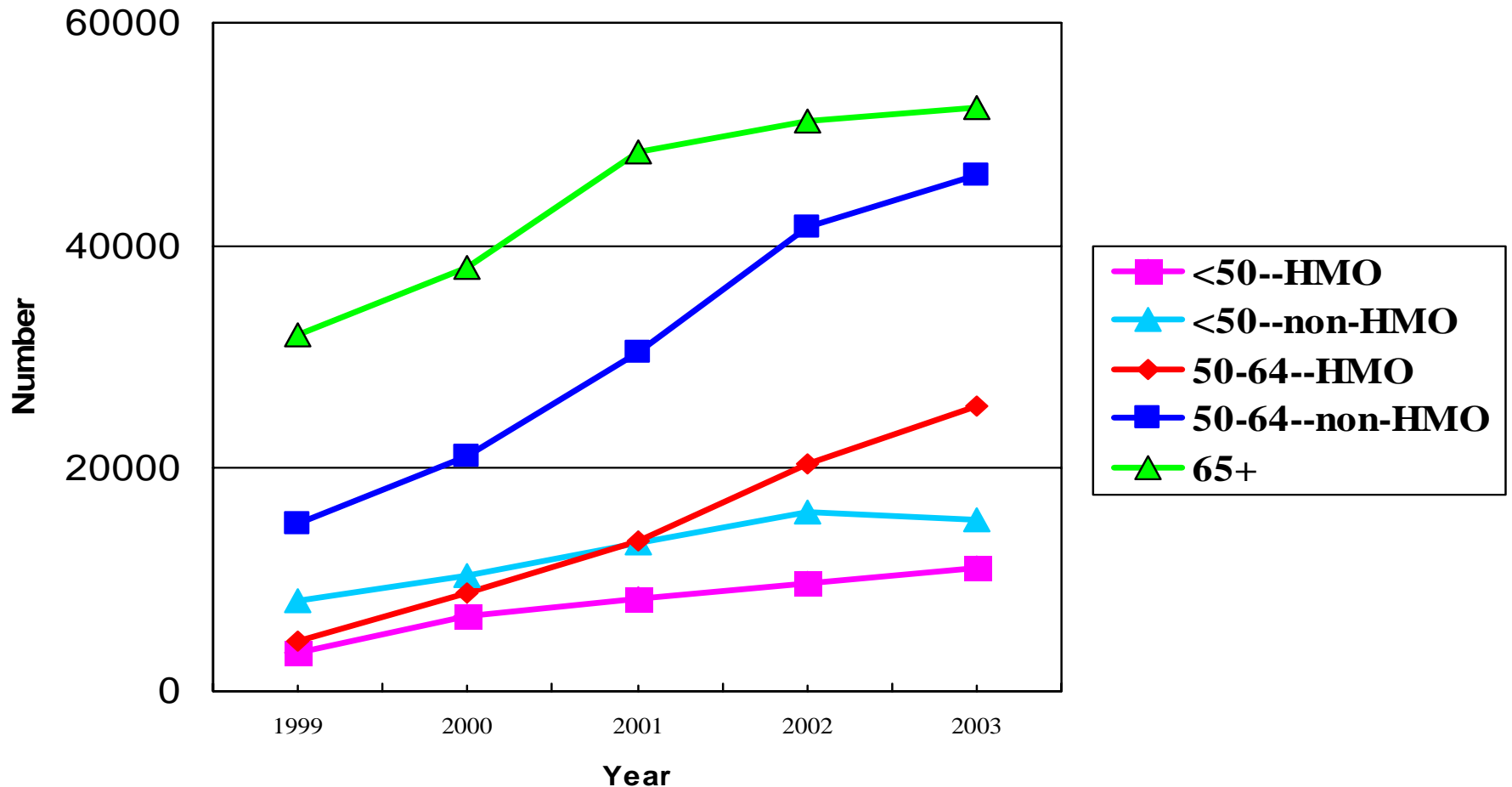
- Insurers submit information on bills to MHCC
- MHCC obtains data from Medicare
- MHCC compiles data and can analyze by date, procedure billing code, age, jurisdiction of residence, etc.

Number of Insured Patients Who Had a Colonoscopy and Number of Cigarette Restitution Fund Program Colonoscopies Maryland, CY 1999-2003



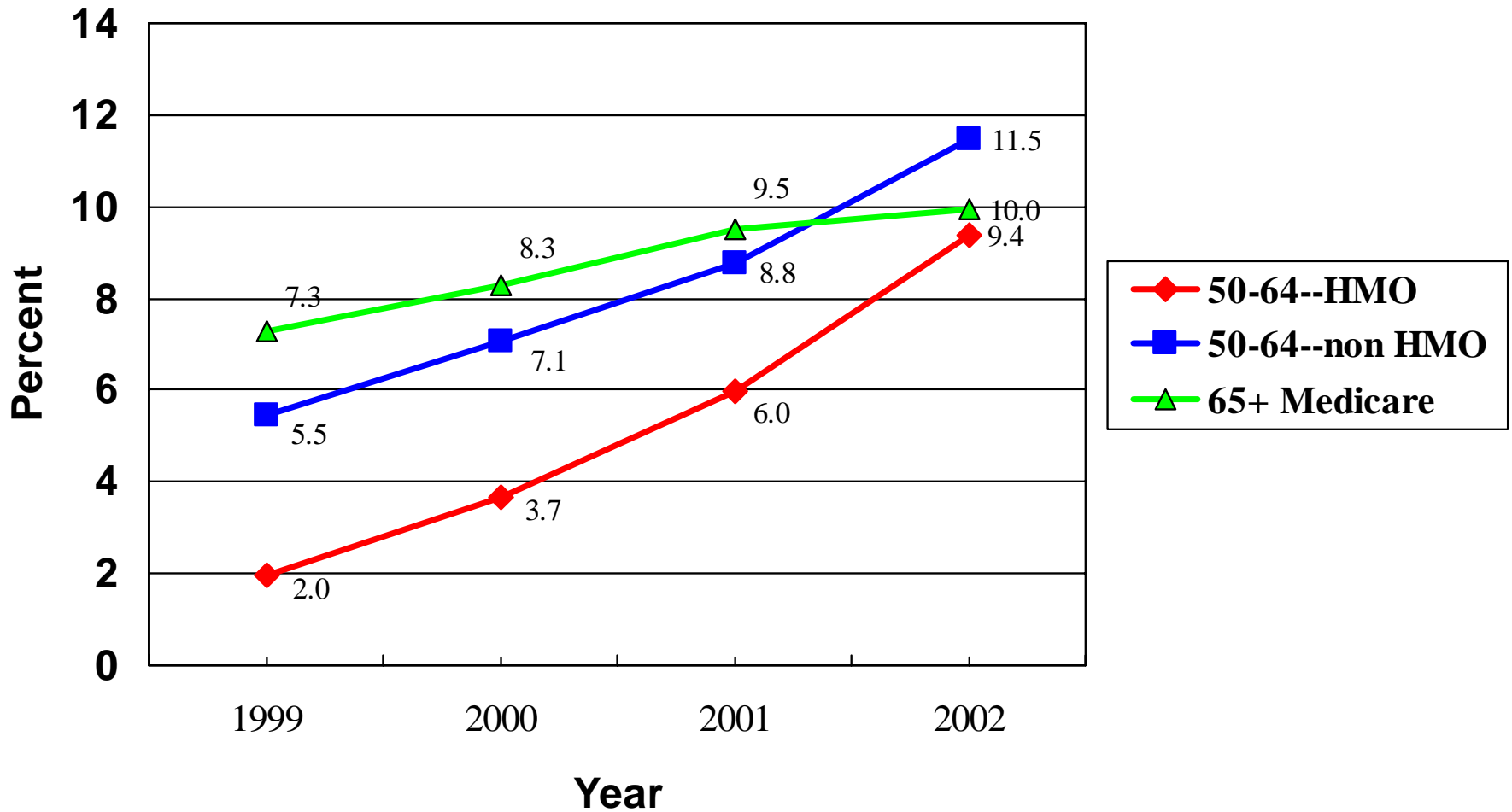
Source: Maryland Health Care Commission—using HEDIS definition of Colonoscopy

Number of Insured Patients Who Had a Colonoscopy by Age and Insurance Maryland, 1999-2002



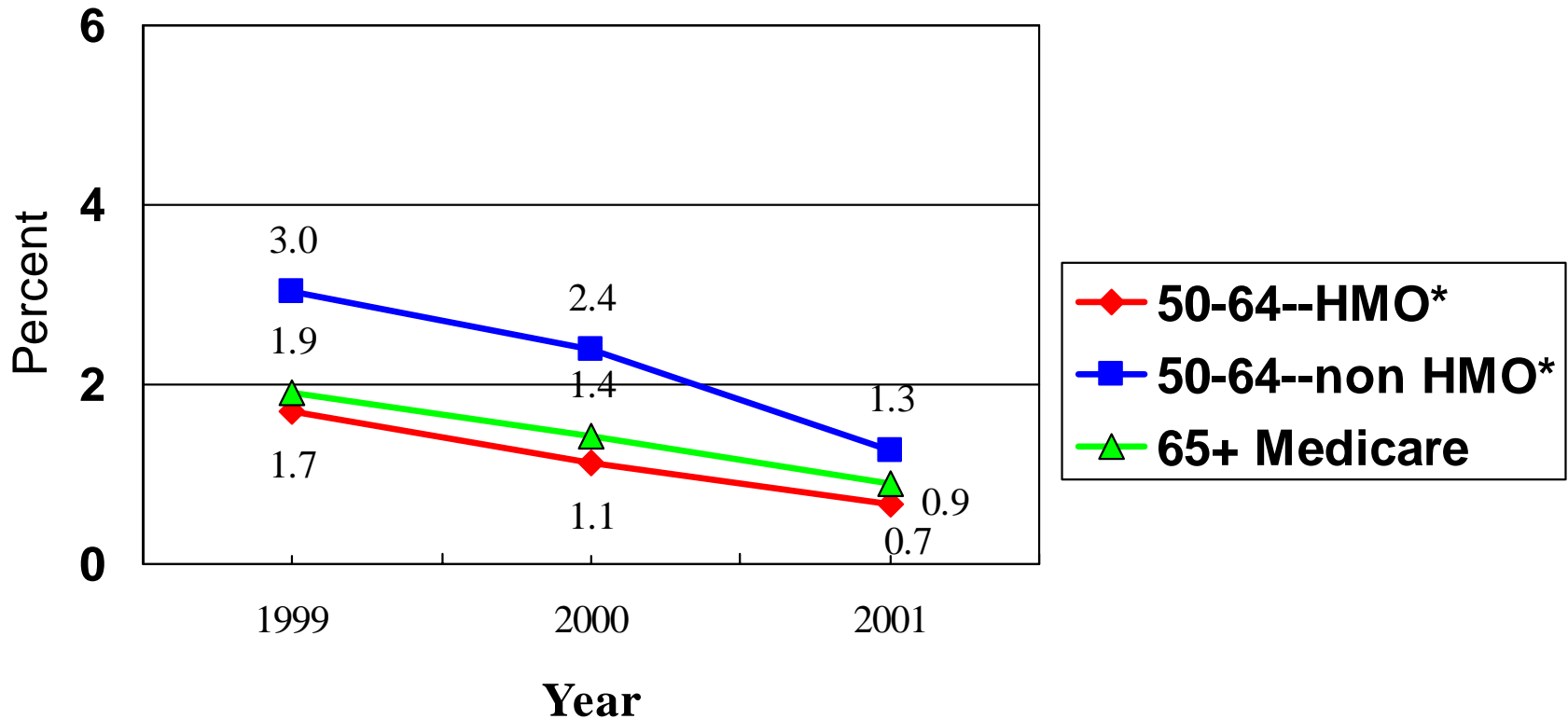
Source: Maryland Health Care Commission—using HEDIS definition of Colonoscopy

Percent of Insured Patients Who Received at Least One Service in the Year Who Had a Colonoscopy--Maryland, 1999-2002



Source: Maryland Health Care Commission—using HEDIS definition of Colonoscopy

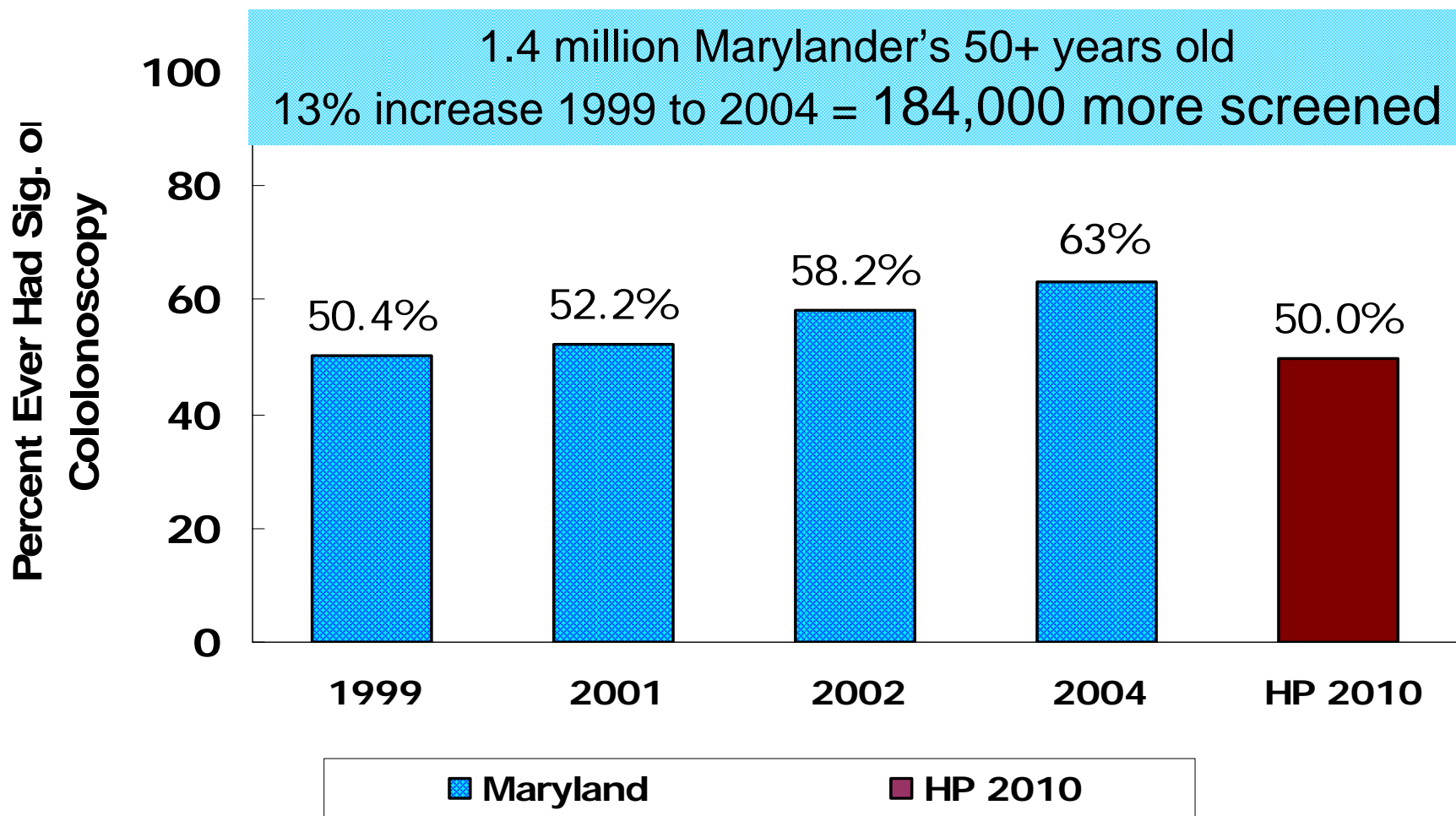
Percent of Insured Patients Who Received at Least One Service in the Year Who Had a Sigmoidoscopy—Maryland, 1999-2001



*Numerator and denominator include insured patients 50-64 years of age

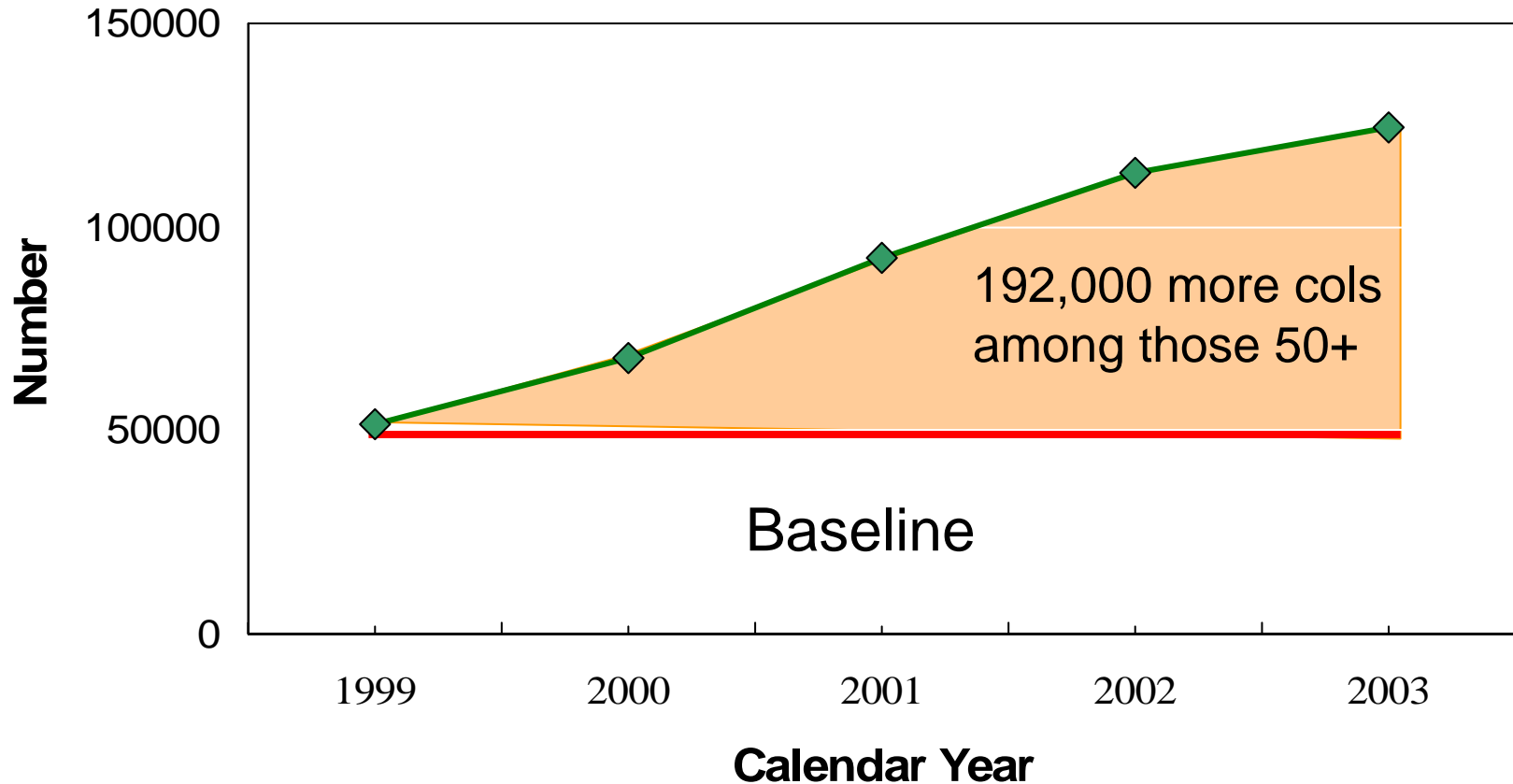
Source: Maryland Health Care Commission

Maryland--Ever Had Sigmoidoscopy and Colonoscopy 50 Years and Older by Year of Survey Compared to Healthy People 2010 Objective



Sources: BRFSS, Maryland DHMH Office of Surveillance and Assessment, 1999, 2001
Maryland Cancer Survey, DHMH Center for Cancer Surveillance and Control, 2002, 2004

Number of Insured Patients 50+ Who Had a Colonoscopy Maryland, 1999-2003



◆ MD Health Care Commission Total

Source: Maryland Health Care Commission—using HEDIS definition of Colonoscopy

Can we screen all who need
screening?

Study of Endoscopic Capacity in Maryland

CDC

Laura Seeff, MD, CDC Technical Monitor

Battelle—Centers for PH Research and Evaluation

Diane Manninen, Ph.D.

Frederick Dong, A.M.

Linda Winges, M.A.

**Maryland population 50 years and older
1.5 million**

**Average risk
1.4 million**

**Increased risk
130,000 (8%)**

Screened
• **898,000 (64%)**

Unscreened
• **530,000 (36%)**
• 57% female
• 32% non-white
• 30% \geq 65
• 7% low income, uninsured, 50-64
(36,000)

**What is Maryland's capacity to screen?
By what method? Over what time period?**

Is there capacity in Maryland?

- Est. 132 practices/facilities performing colonoscopy in MD
- Est. they could do 256,000 more colonoscopies per year (62% more than current est. of 412,000/yr)
- Using this maximum capacity estimate:
capacity to screen 530,000 by colonoscopy in Maryland in 2 years!
- Caveat: estimated annual colonoscopies reported to SECAP exceed the number of colonoscopies reported to MHCC (412K vs. 150K)
 - SECAP survey may overestimate capacity??
 - MHCC excludes in-patient cols, non-residents, and self-pay

Source: Maryland SECAP, June 2005 Preliminary Data



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Public Health



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State and
Territorial Health
Officials



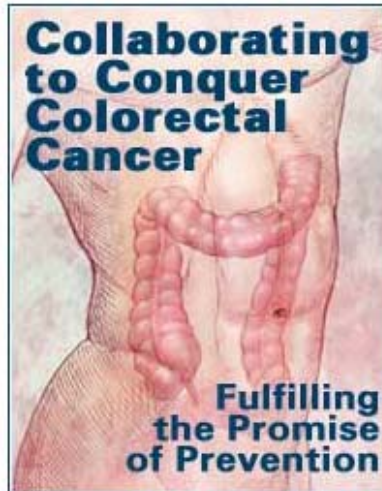
National
Association of
County and City
Health Officials



Public Health
Training
Network

June 10, 2005
2:00 to 3:00 pm ET

**Collaborating
to Conquer
Colorectal
Cancer**



**Fulfilling
the Promise
of Prevention**

A National
Satellite
Broadcast
& Webcast

[View
Handouts](#)

[Go to participant registration](#)

[View program information](#)

[Go to site registration](#)


[Satellite coordinates](#)

[Information for Site Facilitators](#)

[List of Registered Sites](#)

[Flyer](#)

Satellite coordinates available May 27.



Together,
we are making Maryland
a CRC model for the
Nation.

Thank you!

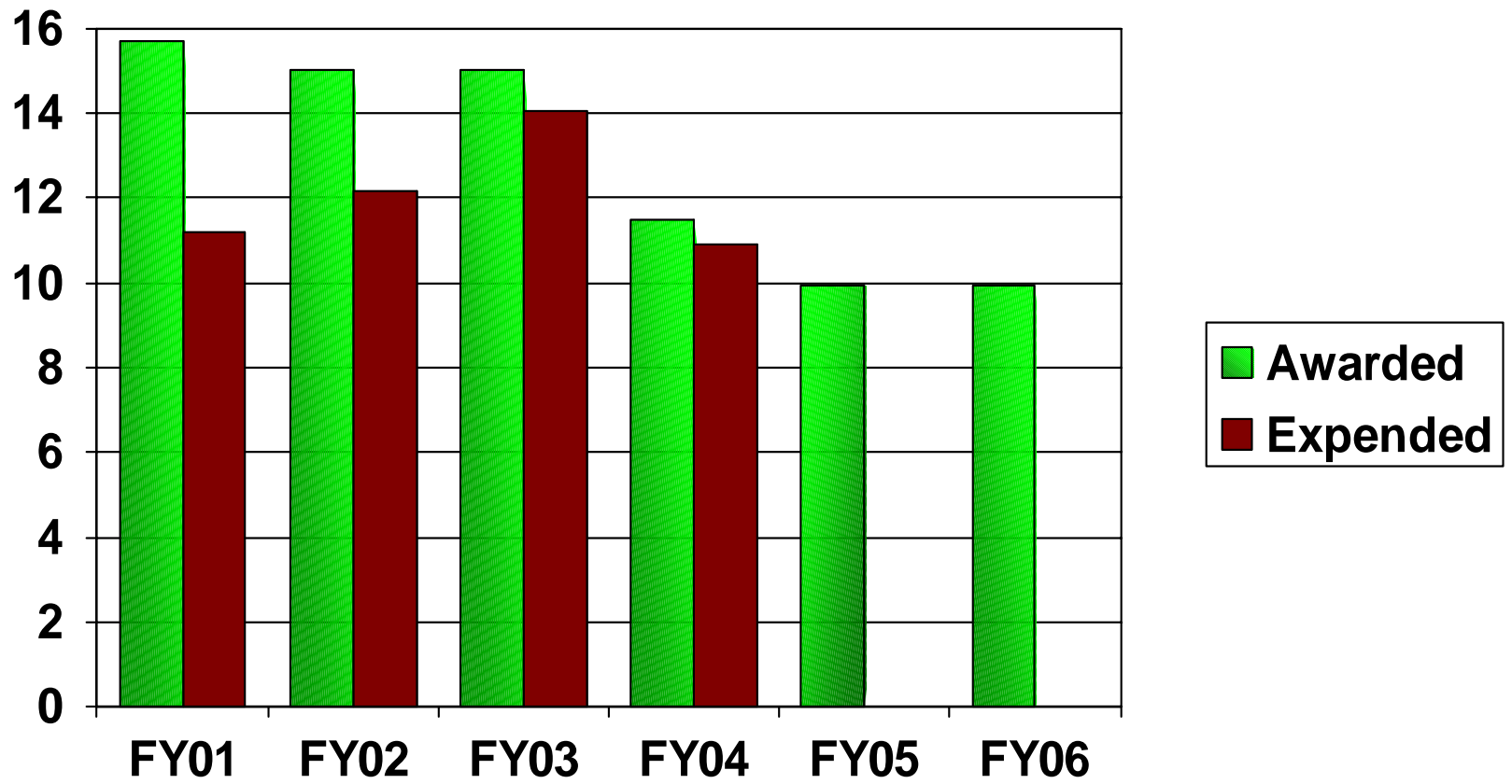
Cigarette Restitution Fund (CRF)
Cancer Prevention, Education, Screening and
Treatment Program

Overall Goals

- Decrease Cancer Mortality
- Reduce Disparities among Minorities

CRF Budget—Local Public Health for Education, Outreach, Screening*, and Treatment*

\$ in Millions



*About 50% annually has been allocated to screening and treatment of one or more of the “targeted cancers”

Create a Network
through
Partnerships and Contracts

U Maryland Baltimore
Preventive Med and Epi.

State
Health Dept.
Program

25
Local PH Programs

Minority Outreach,
Technical Assistance

24 Community
Health Coalitions

Providers: Doctors
Labs, Hospitals,
Pharmacies

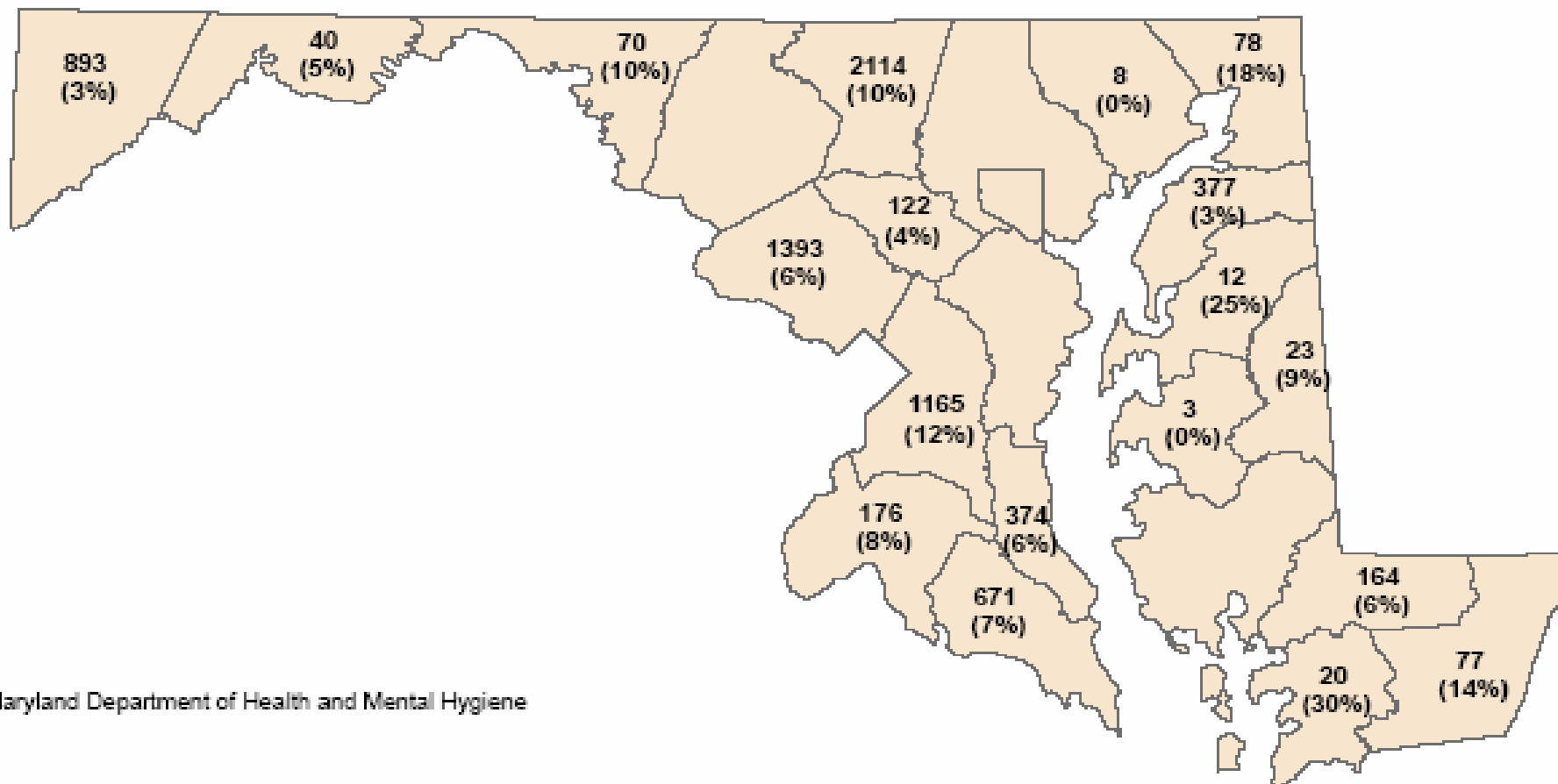
Community based orgs.
Faith based organizations
Volunteers

2 Statewide Academic Health Centers:
Research, PH,
Statewide Health Network

Maryland Citizens,
esp. Minority &
Underserved

CRF Cancer Control “Network”

Number of FOBTs and Percent Positive FOBT (in parenthesis) between 2000 and April 28, 2005, by Maryland Jurisdiction

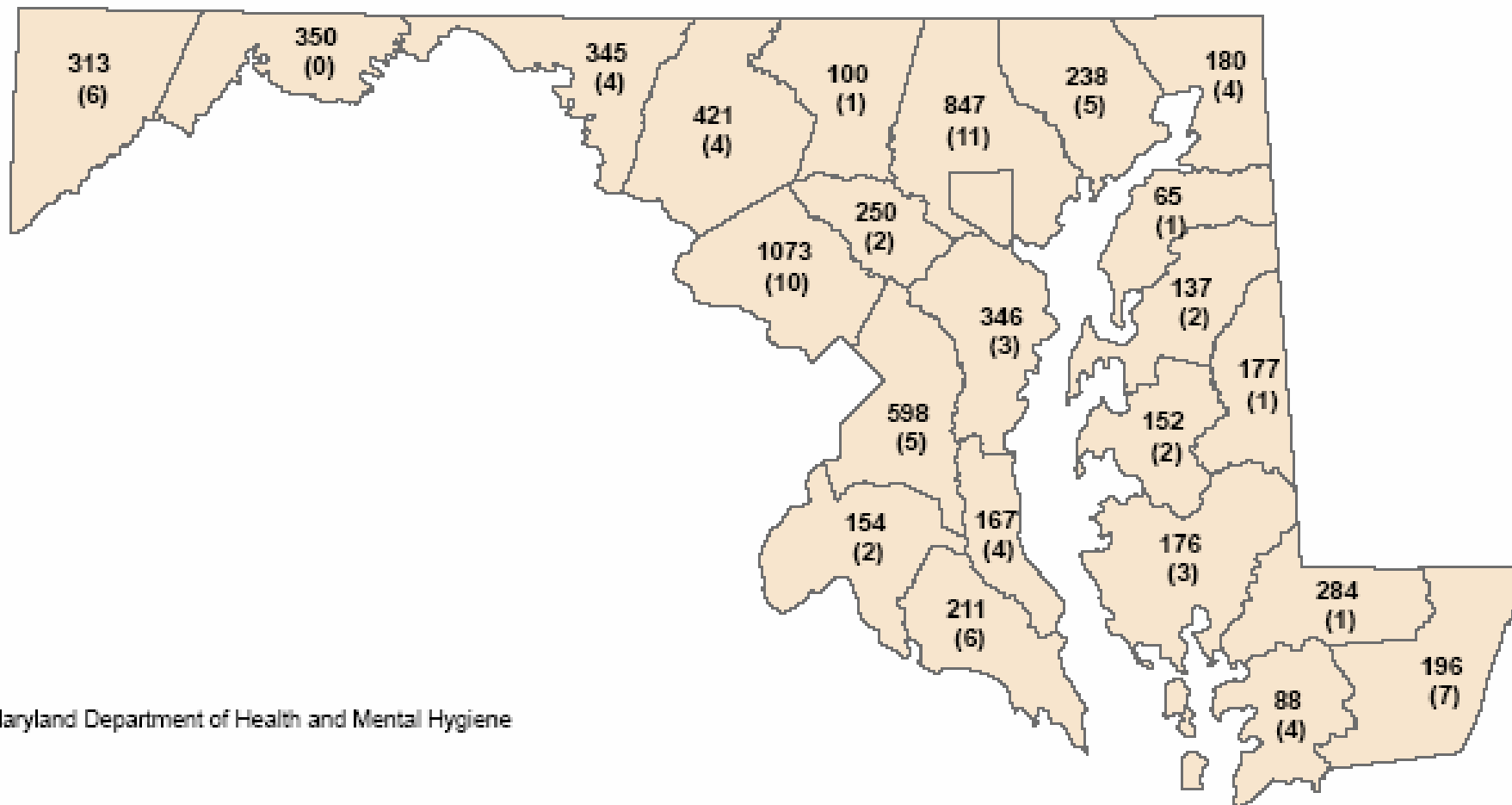


Maryland Department of Health and Mental Hygiene

Center for Cancer Surveillance and Control

Source: Client Database (Report 1B1a/C-CoPD as of 5/2/05)

Number of Colonoscopies in CRF Program and Number of Cancers Detected (in parenthesis) between 2000 and April 28, 2005, by Maryland Jurisdiction

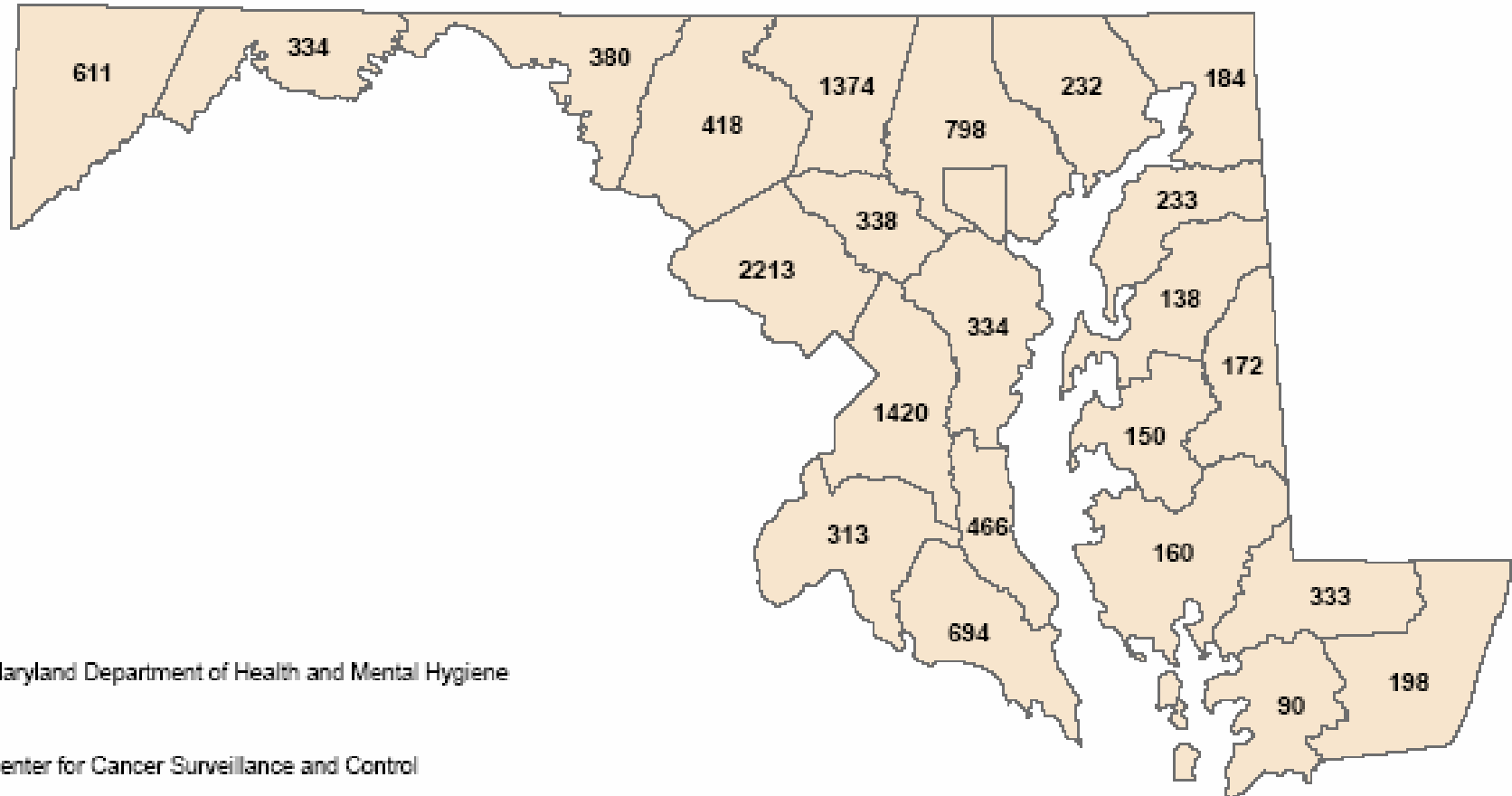


Maryland Department of Health and Mental Hygiene

Center for Cancer Surveillance and Control

Source: Client Database (Report 1B1a/C-CoPD as of 5/2/05)

Number of People New to Colorectal Cancer Screening Program* between 2000 and April 28, 2005



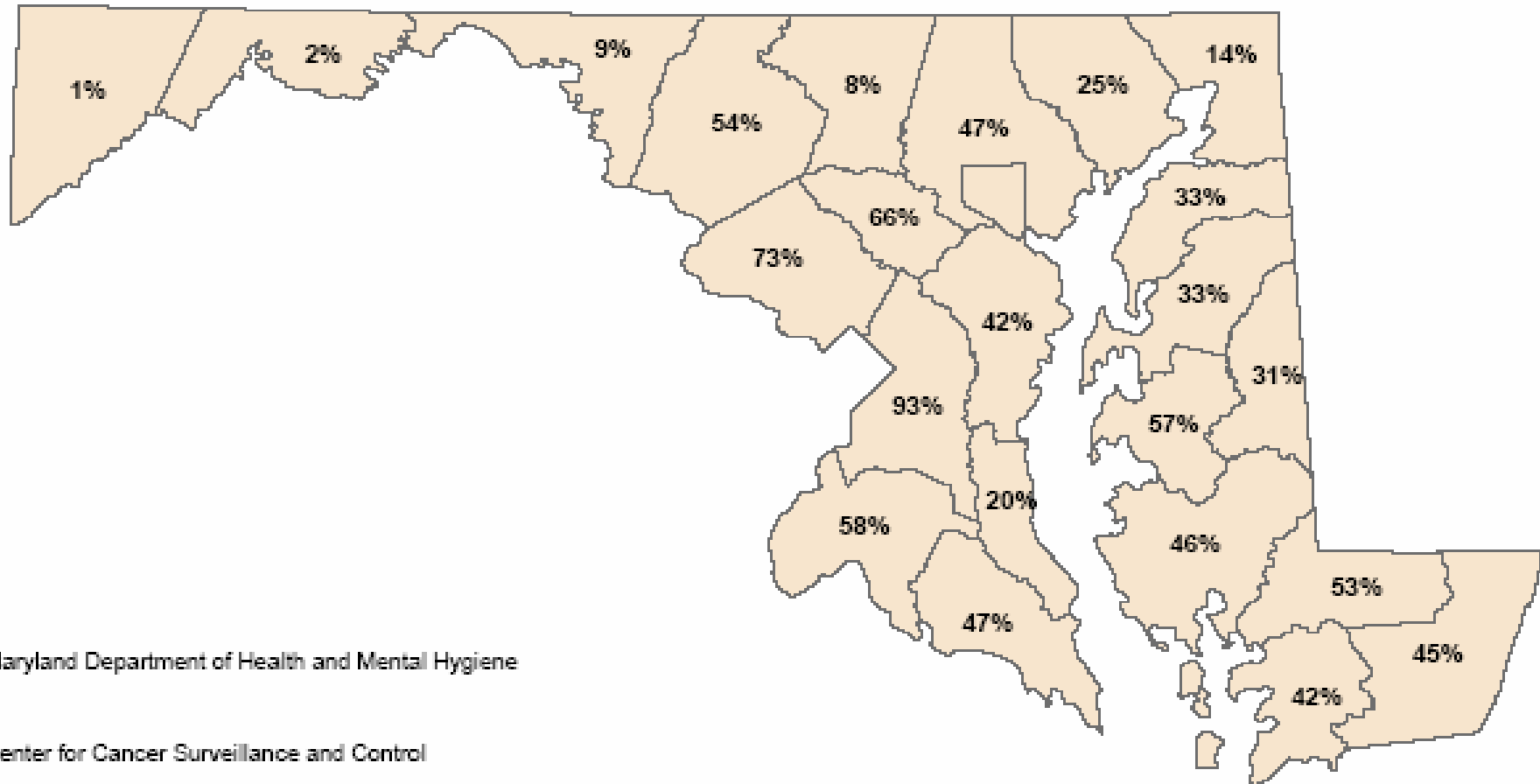
Maryland Department of Health and Mental Hygiene

Center for Cancer Surveillance and Control

Source: Client Database (Report 1B1a/C-CoPD as of 5/2/05)

* Each person had one or more CRC procedures (FOBT, Sigmoidoscopy, Colonoscopy, DCBE and a small number of clients who had a prescreening/ physical exam but did not follow through with CRC screening tests)

Percent of Minority Race or Ethnicity Among People New to Colorectal Cancer Screening* between 2000 and 2005, by Maryland Jurisdiction



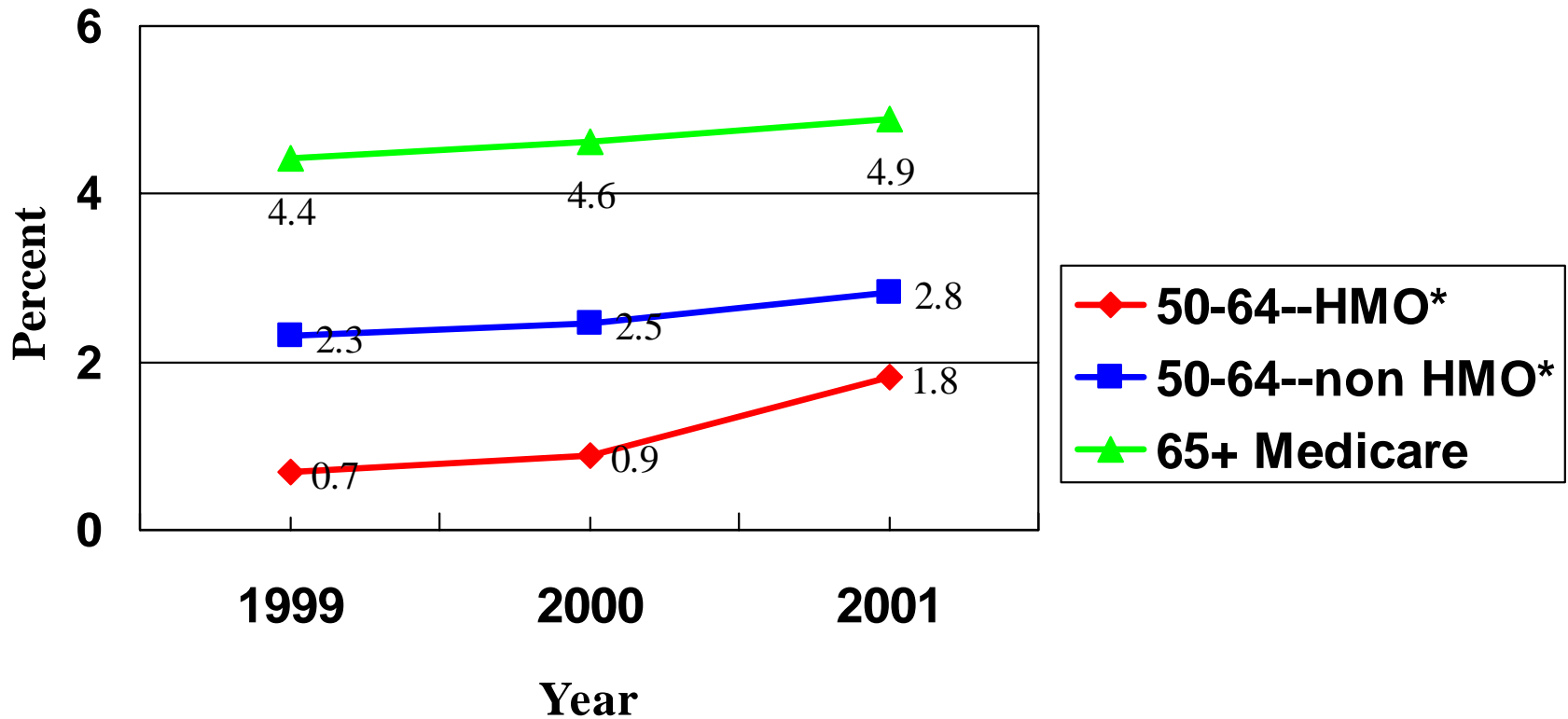
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Center for Cancer Surveillance and Control

Source: Client Database (Report 1B1a/C-CoPD as of 5/2/05)

* Each person had one or more CRC procedures (FOBT, Sigmoidoscopy, Colonoscopy, DCBE and a small number of clients who had a prescreening/ physical exam but did not follow through with CRC screening tests)

Percent of Insured Patients Who Received at Least One Service in the Year Who Had an Gastroscopy—Maryland, 1999-2001



*Numerator and denominator include insured patients 50-64 years of age

Source: Maryland Health Care Commission