

Ten Years Experience of Colorectal Cancer Screening in the CRF Program

Eileen Steinberger, MD MS

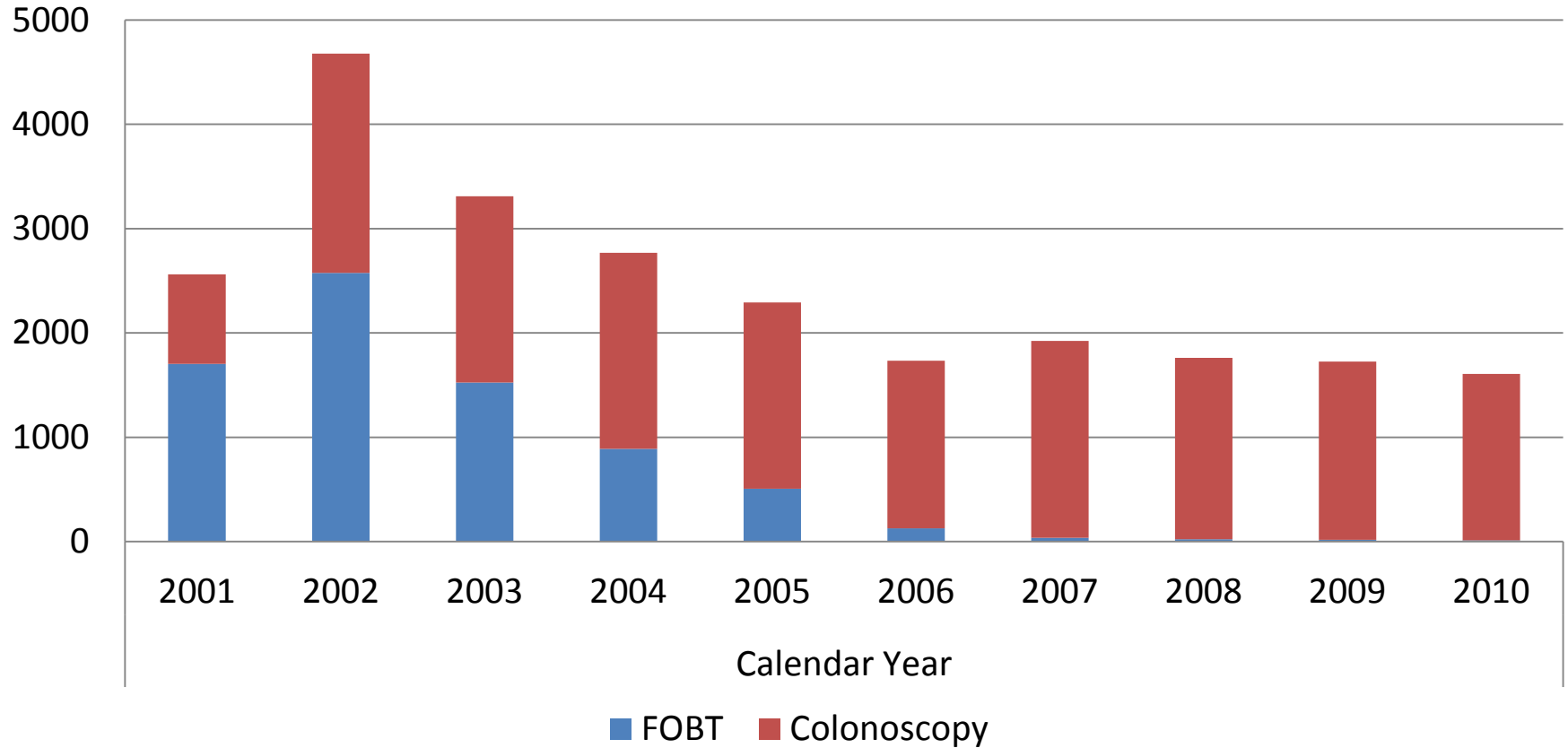
October 2011 Regional Meetings

Numbers in the CRF program

- Through December 31, 2010, the local CRF programs:
 - Screened 19,795 clients
 - In 24,512 cycles
 - Performed procedures
 - 8,339 FOBTS
 - 17,185 colonoscopies
 - 178 sigmoidscopies
 - 308 imaging procedures*

* C-LLPD

FOBT and Colonoscopy Screening Cycles by Year



	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Colonoscopy	858	2102	1787	1879	1788	1607	1887	1740	1709	1596
FOBT	1703	2576	1524	888	505	127	36	22	15	12

Characteristics of the CRF Screening Population (n=19,795)

Characteristics	Total	Percent
Age group (years)		
18-39	847	4.3
40-49	2477	12.5
50-54	5430	27.4
55-59	4101	20.7
60-64	3834	19.4
65-74	1886	9.5
>= 75	864	4.4
Unknown	356	1.8
Sex		
Male	6322	31.9
Female	13443	67.9
Unknown	30	0.2
Race/Ethnicity		
White	9345	47.2
African American/Black	4987	25.2
Other	1749	8.8
Hispanic	3273	16.5
Unknown	441	2.2

Characteristics of the CRF Screening Population by Test (n=19,693)

Characteristic	Colonoscopy (n=14,284)		FOBT alone (n=5,409)	
	Total	Percent	Total	Percent
Age group (years)				
18-49	2282	16.0	1026	19.0
50-54	4666	32.7	738	13.6
55-59	3322	23.3	746	13.8
60-64	3000	21.0	811	15.0
>= 65	1014	7.1	1732	32.0
Unknown	0	0.0	356	6.6
Sex				
Male	4452	31.2	1848	34.2
Female	9832	68.8	3531	65.3
Unknown	0	0.0	30	0.6
Race/Ethnicity				
White	6447	45.1	2849	52.7
African American/Black	4071	28.5	883	16.3
Other	1269	8.9	471	8.7
Hispanic	2428	17.0	838	15.5
Unknown	69	0.5	368	6.8

Characteristics of the CRF Screening Population by Test (n=19,693)

Characteristic	Colonoscopy (n=14,284)		FOBT alone (n=5,409)	
	Total	Per cent	Total	Per cent
First degree relative with CRC or adenoma				
Yes	3220	22.5	654	12.1
No	11064	77.5	4755	87.9
Previous history of colonoscopy				
No previous colonoscopy	12268	85.9	4874	90.1
History of adenoma	538	3.8	212	3.9
History of polyps	499	3.5	116	2.1
History of CRC	124	0.9	21	0.4
Previous colonoscopy without findings	855	6.0	186	3.4
Increased risk of developing CRC				
Yes	3976	27.8	900	16.6
No	10308	72.2	4509	83.4
Symptoms				
None	8678	60.8	4744	87.7
Bleeding	2551	17.9	88	1.6
Non-bleeding symptoms	3055	21.4	577	10.7

Results of the First Screening Cycle* Excluding FOBT only cycles, 2000-2010 (n= 14,386)

Final Diagnosis	n	%
Confirmed/Suspected Cancer	152	1.1
Adenocarcinoma	135	
Carcinoid	10	
Lymphoma	1	
Squamous cell	6	
Adenoma-high grade dysplasia	77	0.5
Adenoma-high risk	975	6.8
Adenoma-other	2184	15.2
Hyperplastic polyp	2166	15.1
Inflammatory bowel disease	114	0.8
Other polyp	776	5.4
Other finding	5201	36.2
Normal	2741	19.1

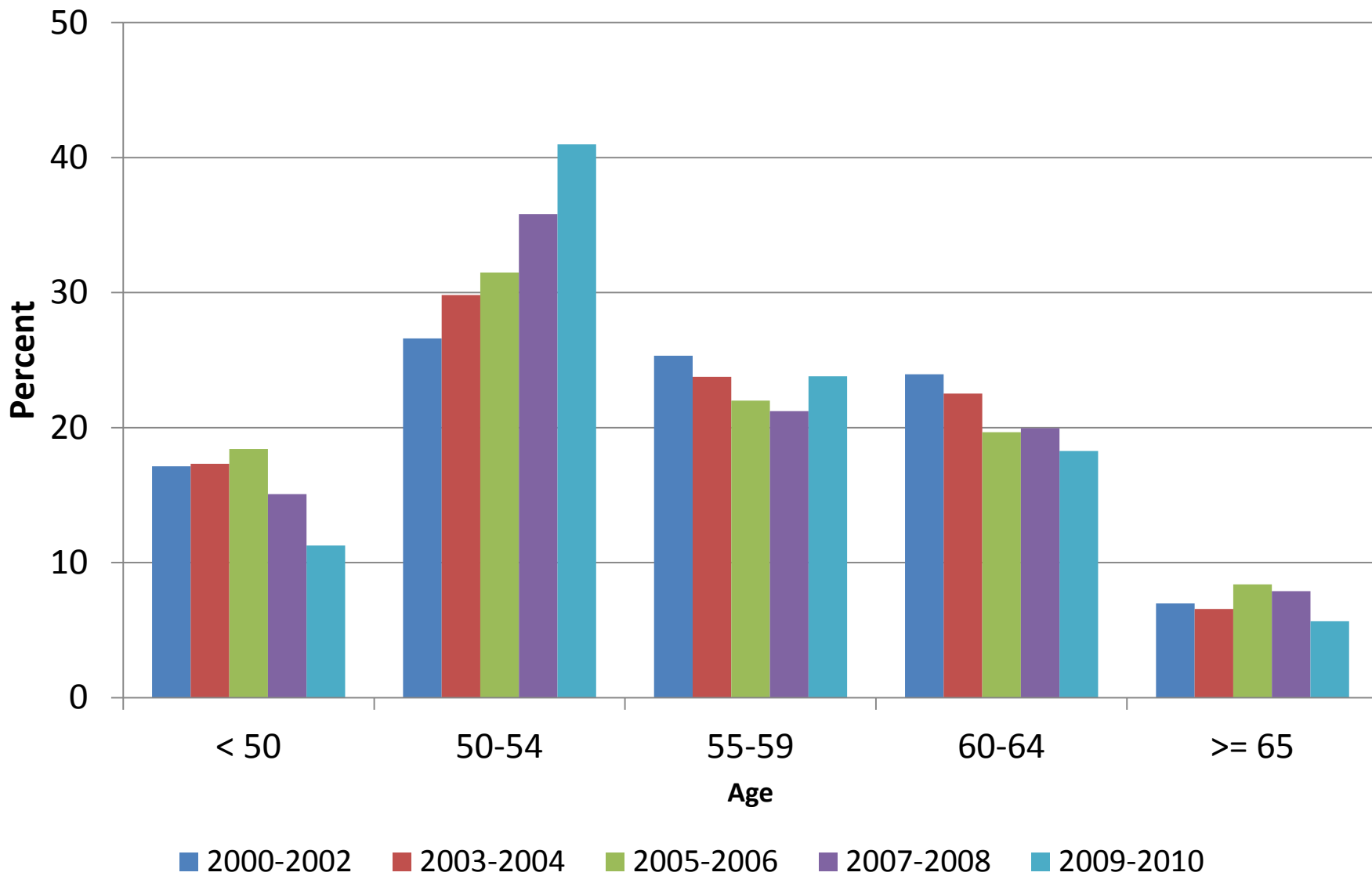
Includes colonoscopy, imaging, and sigmoidoscopy cycles

Results of the First FOBT Only Screening Cycle 2000-2010 (n=5,409)

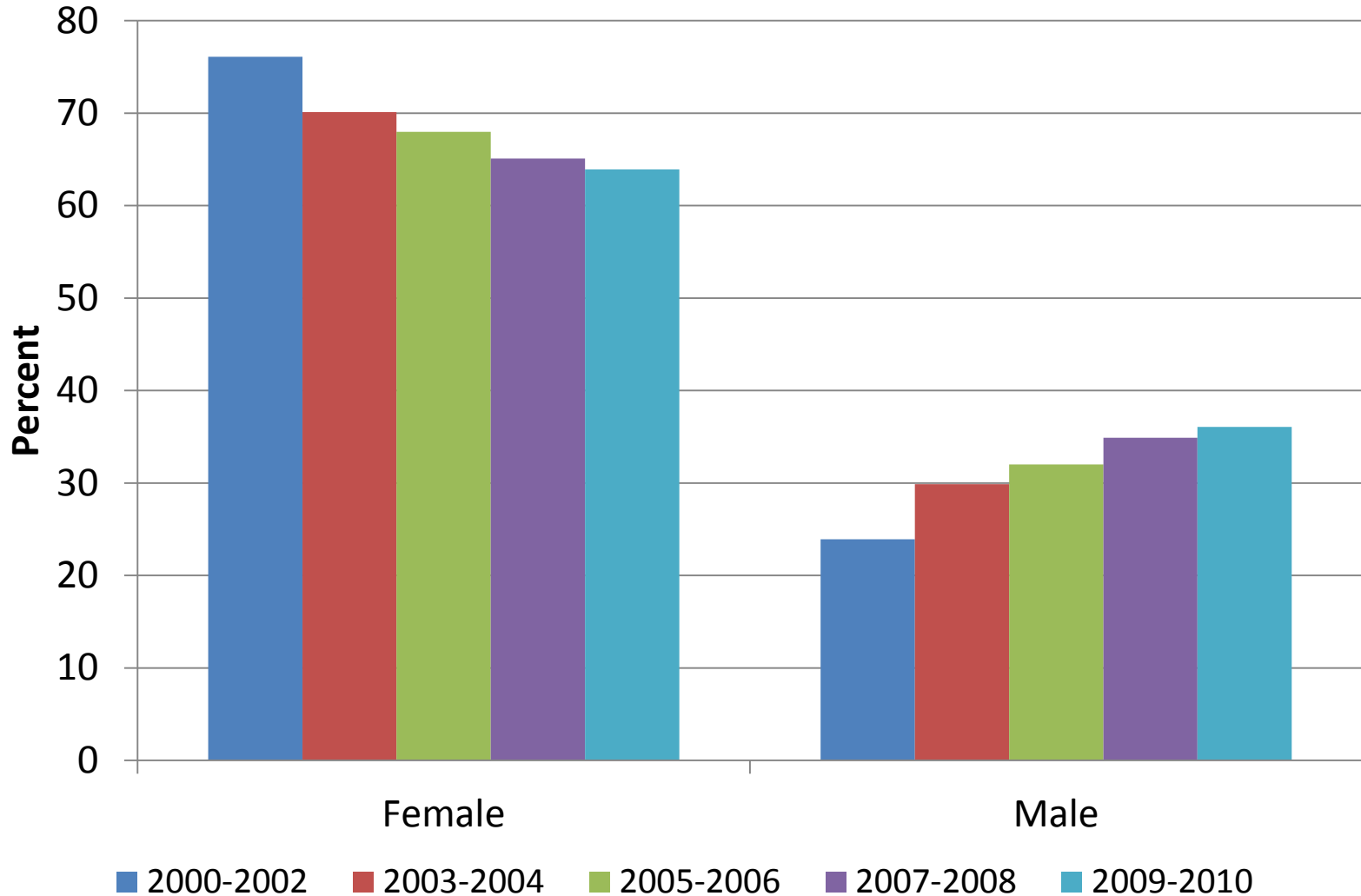
- Negative FOBT-5,073
- Positive FOBT-336
 - 207-no further information is available
 - 129-results from further evaluation outside the program
 - 6 cancers
 - 7 adenomas
- 7 had colonoscopy at a later date in program

Demographics of Clients whose First Screening Cycle was a Colonoscopy

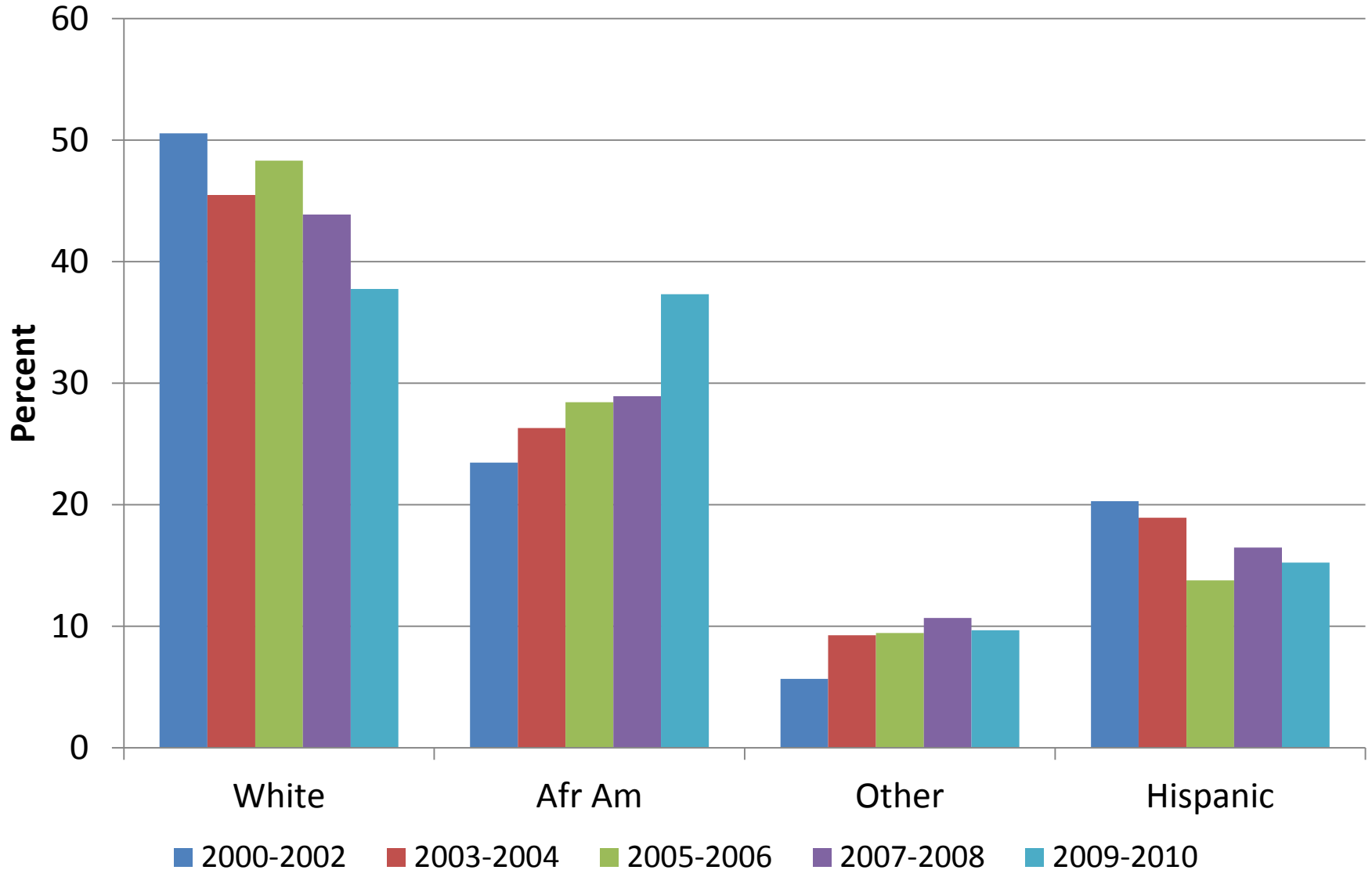
Age of Clients in First Colonoscopy Screening Cycle by Time Period



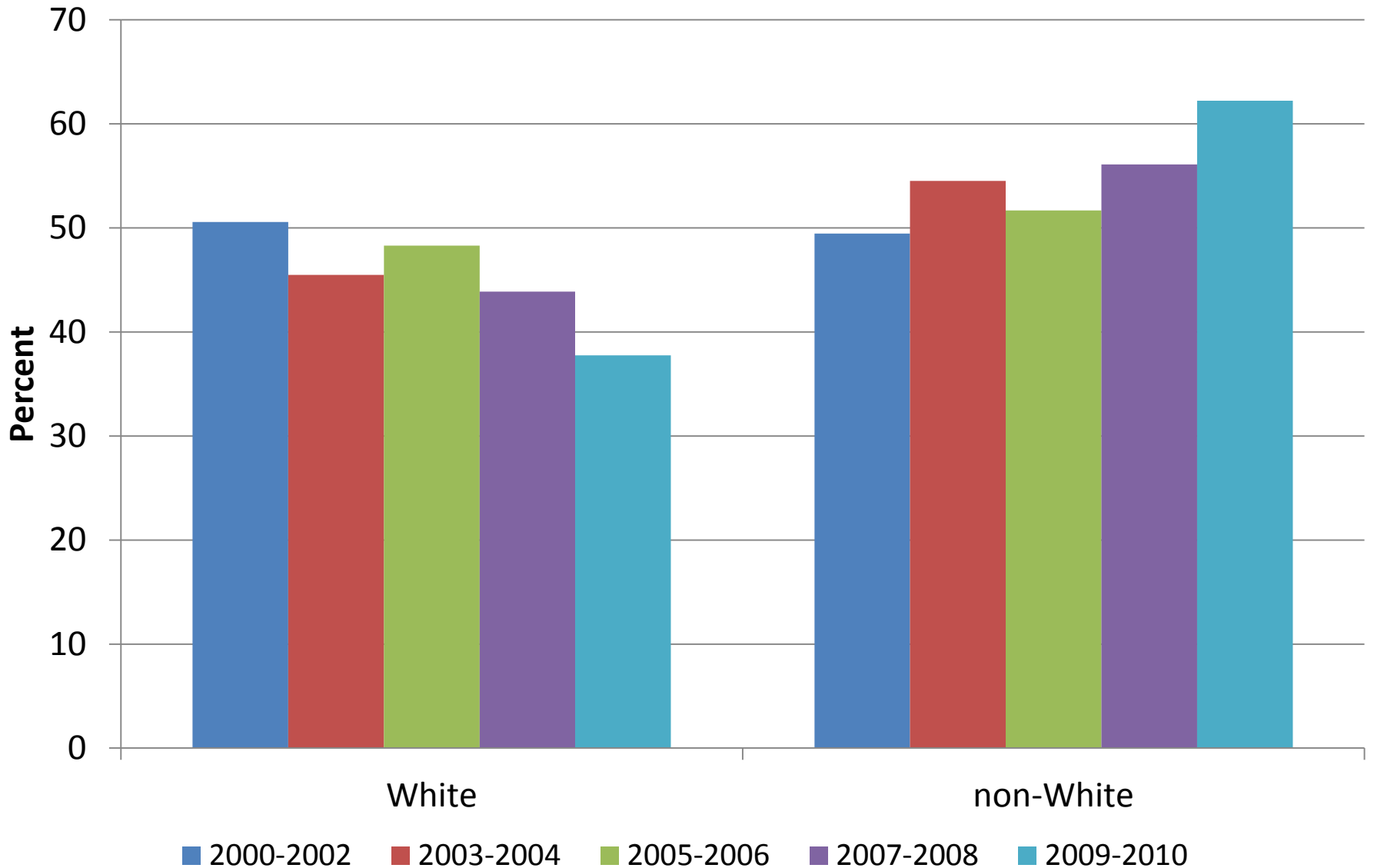
Sex of Clients in First Colonoscopy Screening Cycle by Time Period



Race/Ethnicity of Clients in First Colonoscopy Screening Cycle by Time Period



Comparison of White and Non-White Clients in First Colonoscopy Screening Cycle by Time Period



Achievements

- Almost 20,000 Marylanders were screened in 10 years
 - Many of whom might not otherwise have been screened
- Over time, screening increased among minority clients and men
- If 40% of high grade and high risk adenomas become CRC, it is estimated the CRF program **prevented over 400 cases of CRC**

Acknowledgements

- Colleagues at local health departments
- MOTA vendors
- Colleagues in Minority Health and Health Disparities at DHMH