



# Colorectal Cancer (2003-2007)

Presentation to: 2011 GATRA/GCCR Fall Educational Meeting  
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 Georgia Comprehensive Cancer Registry  
 Date: November 8, 2011

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## Introduction

- Colorectal cancer- 3<sup>rd</sup> most common cancer in Georgia
- 19,084 cases diagnosed between 2003-2007
  - Females: 9,263 cases
  - Males: 9,821 cases




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## Introduction

- Colorectal cancer- 3<sup>rd</sup> most common cause of cancer death
- 6,613 deaths between 2003-2007
  - Females: 3,276
  - Males: 3,337

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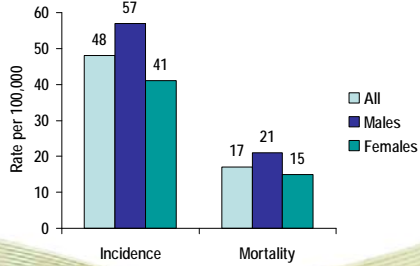
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### Age-Adjusted Incidence and Mortality Rates, by Sex, Georgia, 2003-2007



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### Methods

- Incidence
  - Georgia Comprehensive Cancer Registry
- Mortality
  - GA Vital Records, Georgia Department of Public Health
- Counties by poverty level and metropolitan level

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### Methods

- 2005 Poverty Level (percent of county below US poverty level)
  - Low (<10%)
  - Medium (10-19%)
  - High (>=20%)
- 2003 Rural-Urban Continuum Codes
  - Metro >1 million
  - Metro 250,000-1 million
  - Metro <250,000
  - Metro Adjacent
  - Rural

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### Counties by Poverty and Metro Level, Count

	Low	Medium	High
Metro 1M+	8	19	1
Metro 250,000	1	7	6
Metro <250,000	2	14	12
Metro Adjacent	-	3	4
Rural	-	26	56
	<b>11</b>	<b>69</b>	<b>79</b>

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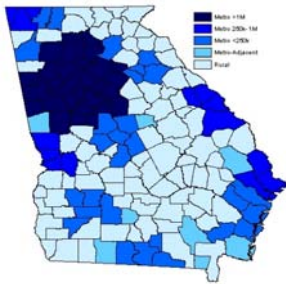
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### Metro, Metro Adjacent, and Rural Counties, Georgia 2003




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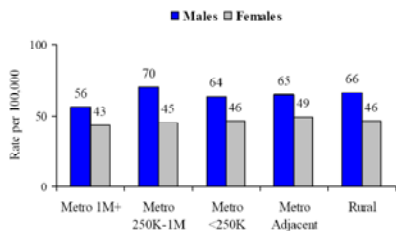
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### Age-Adjusted Colorectal Cancer Incidence Rate by Geography and Sex, Georgia, 2003-2007




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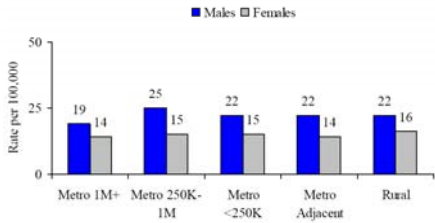
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Age-Adjusted Colorectal Cancer Mortality Rate by Geography and Sex, Georgia, 2003-2007




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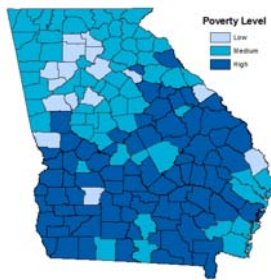
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Low, Medium, and High Poverty Level Counties, Georgia, 2005




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Age-Adjusted Incidence Rate, Males, by Race, Geography and Poverty, Georgia 2003-2007

Metro Level	Level of Poverty					
	Black			White		
	Low	Medium	High	Low	Medium	High
Metro IM+	60	66	140*	57	54	**
Metro 250K-1M	112	85*	92*	54	63	69*
Metro <250K	**	76*	85*	59	63*	59
Metro Adjacent	-	61*	80	-	65	60
Rural	-	78*	73*	-	65*	65*

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Age-Adjusted Incidence Rate, Females, by Race, Geography and Poverty, Georgia 2003-2007

Metro Level	Level of Poverty					
	Black			White		
	Low	Medium	High	Low	Medium	High
Metro 1M+	49	54	**	41	38	**
Metro 250K-1M	**	62*	57	35	39	41
Metro <250k	**	53	57	38	45	40
Metro Adjacent	-	66*	60	-	46	44
Rural	-	63*	54	-	47*	41

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Age-Adjusted Mortality Rate, Males, by Race, Geography and Poverty, Georgia 2003-2007

Metro Level	Level of Poverty					
	Black			White		
	Low	Medium	High	Low	Medium	High
Metro 1M+	26	27	**	19	17	**
Metro 250K-1M	**	29	35	23	24	22
Metro <250k	**	29	33	**	21	19
Metro Adjacent	-	35	23	-	20	19
Rural	-	25	32	-	18	22

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Age-Adjusted Mortality Rate, Females, by Race, Geography and Poverty, Georgia 2003-2007

Metro Level	Level of Poverty					
	Black			White		
	Low	Medium	High	Low	Medium	High
Metro 1M+	21	21	**	13	12	**
Metro 250K-1M	**	21	19	**	13	13
Metro <250	**	23	22	**	13	14
Metro Adjacent	-	23	18	-	11	12
Rural	-	21	20	-	15	13

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## Conclusions

- Males have consistently higher incidence and mortality rates than females
- Males and females living in larger metro counties have the lowest incidence rates
- Highest incidence rates occur in medium and high poverty counties

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## Conclusions

- Regardless of race, counties in medium and high poverty areas have higher incidence and mortality rates

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## Recommendations

- Prevention efforts targeted to counties in medium or high poverty counties
- Prevention efforts targeted at smaller and non metropolitan counties
- Additional analysis (education)
- Determine screening gaps
- Determine current capacity

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## Capacity Evaluation

- Estimated number of facilities that perform endoscopies
  - Flexible sigmoidoscopy or colonoscopy
- Results
  - GA has capacity

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## Colorectal Screening Program

- Funded July 2010
- Target Population
  - 50 years and older; Never screened
  - No gastrointestinal symptoms
  - Low income; & Uninsured
- Screening Activities
  - Education-- Super Colon (June 2011)
  - Screening in collaboration with the Georgia Cancer Coalition Regional Program

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## Resources



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## Acknowledgments

- A. Rana Bayakly
- Chrissy McNamara
- Reporting Facilities
- You!!!!

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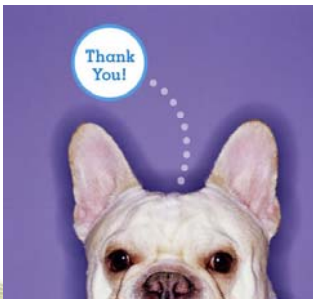
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