

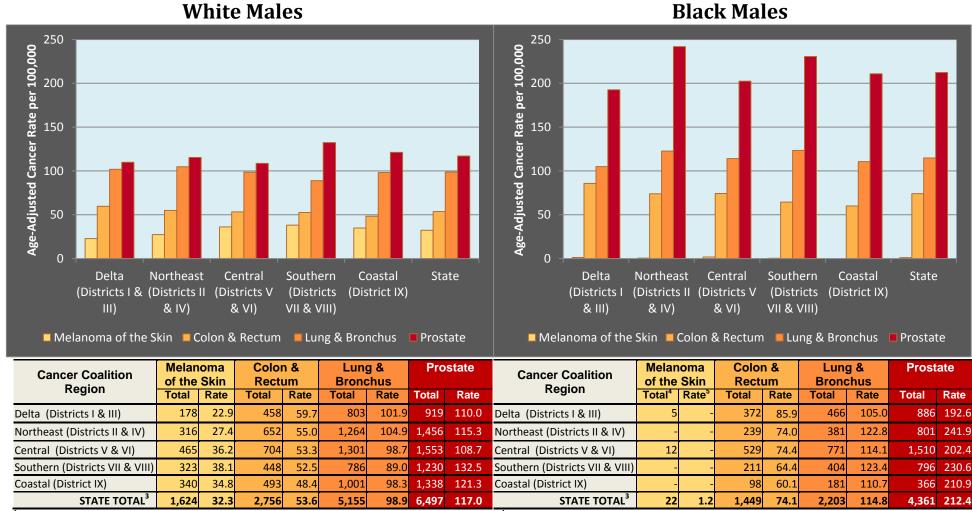
# 2016 REGIONAL CANCER SNAPSHOT: FIVE-YEAR AGE-ADJUSTED CANCER RATES IN MISSISSIPPI BY GENDER, RACE, AND CANCER COALITION REGION

Compiled by Christianne Pinell-Jansen, MPH
Office of Health Data and Research
Office of Preventive Health

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This surveillance brief provides data to be utilized by the Mississippi Comprehensive Cancer Control Program (MCCCP) and the Mississippi Partnership for Comprehensive Cancer Control (MP3C) to plan activities targeting cancers with high incidence and mortality in each Cancer Regional Coalition in the state. MSDH developed this report with the cooperation and collaboration of the Mississippi Cancer Registry (MCR), Deirdre B. Rogers, Director. Data was obtained from the 2016 Mississippi Cancer Registry (MCR), on June 15, 2016. This document was supported in part by a cooperative agreement (CDC-RFA-DP12-1205) from the Centers for Disease Control and Prevention - Division of Cancer Prevention and Control's Comprehensive Cancer Control Program (U58DP003923-04).

## FIVE-YEAR AGE-ADJUSTED INVASIVE CANCER INCIDENCE RATES<sup>1,2</sup> IN MISSISSIPPI BY CANCER COALITION REGION, *MALES*, 2009-2013



<sup>&</sup>lt;sup>1</sup>Rate: Age-adjusted Cancer Incidence Rate to the 2000 U.S. Standard Population

Data Source: 2016 Mississippi Cancer Registry; Accessed on 6/15/2016

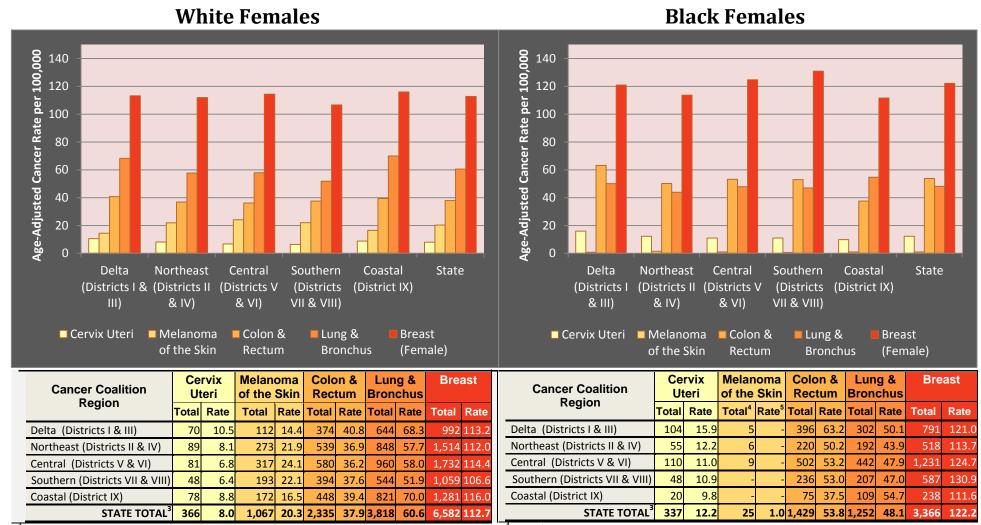
<sup>&</sup>lt;sup>2</sup> Invasive Cancer: Excludes in situ cancers

<sup>&</sup>lt;sup>3</sup>Region numbers may not sum to the state totals due to unknown counties

<sup>&</sup>lt;sup>4</sup> Rates/Counts are suppressed if less than 5 cases were reported in the specific category

<sup>&</sup>lt;sup>5</sup> A minimum of 15 cases are required to calculate a stable age-adjusted rate

### FIVE-YEAR AGE-ADJUSTED INVASIVE CANCER INCIDENCE RATES<sup>1,2</sup> IN MISSISSIPPI BY CANCER COALITION REGION, *FEMALES*, 2009-2013



<sup>&</sup>lt;sup>1</sup>Rate: Age-adjusted cancer incidence rate to the 2000 U.S. Standard Population

Rates/Counts are suppressed if less than 5 cases were reported in the specific category

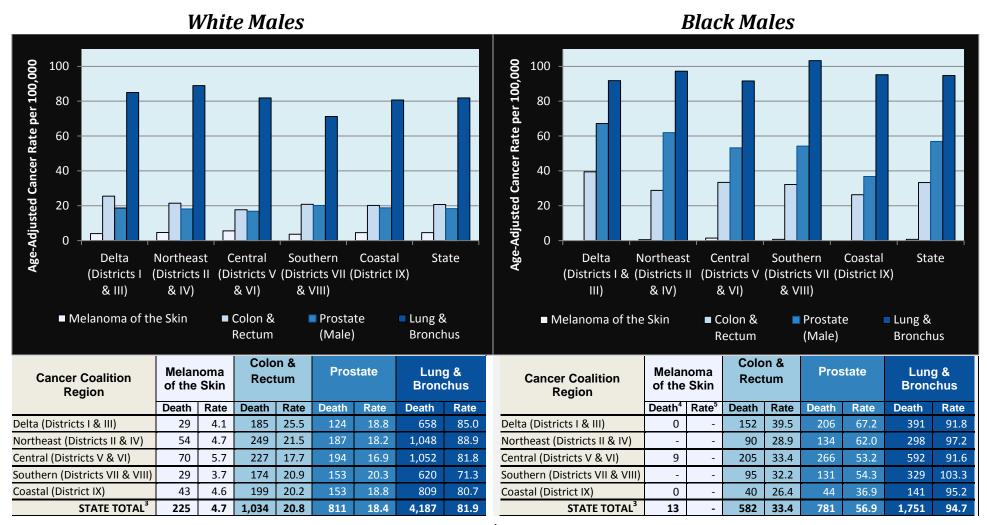
Data Source: 2016 Mississippi Cancer Registry; Accessed on 6/15/2016

<sup>&</sup>lt;sup>2</sup> Invasive Cancer: Excludes in situ cancers

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### FIVE-YEAR AGE-ADJUSTED CANCER MORTALITY RATES<sup>1</sup> IN MISSISSIPPI BY CANCER COALITION REGION, *MALES*, 2009-2013



<sup>&</sup>lt;sup>1</sup>Rate = Age-adjusted cancer mortality rate to the 2000 U.S. Standard Population

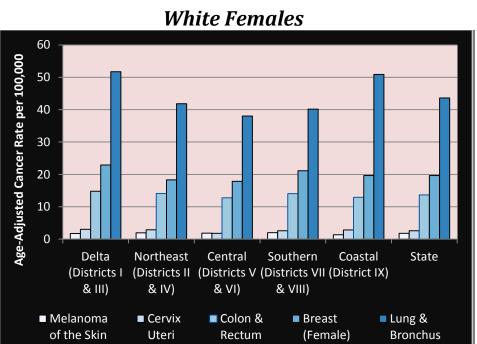
Data Source: 2016 Mississippi Cancer Registry; Accessed on 6/15/2016

<sup>&</sup>lt;sup>3</sup>Region numbers may not sum to the state totals due to unknown counties

<sup>&</sup>lt;sup>4</sup> Rates/Counts are suppressed if less than 5 cases were reported in the specific category

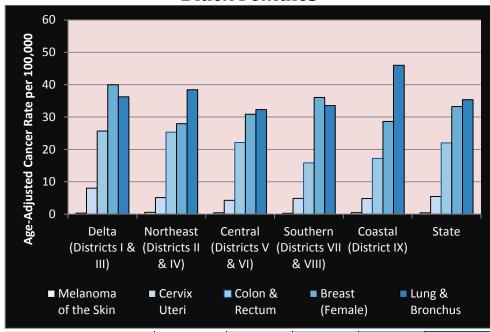
<sup>&</sup>lt;sup>5</sup> A minimum of 15 cases are required to calculate a stable age-adjusted rate

### FIVE-YEAR AGE-ADJUSTED CANCER MORTALITY RATES<sup>1</sup> IN MISSISSIPPI BY CANCER COALITION REGION, *FEMALES*, 2009-2013



Cancer Coalition Region	Melanoma of the Skin		Cervix Uteri		Colon & Rectum		Breast		Lung & Bronchus	
	Death	Rate	Death	Rate	Death	Rate	Death	Rate	Death	Rate
Delta (Districts I & III)	14	1.7	24	3.1	145	14.8	211	22.9	490	51.7
Northeast (Districts II & IV)	29	1.9	34	2.9	217	14.1	263	18.3	623	41.8
Central (Districts V & VI)	28	1.8	27	1.8	219	12.8	293	17.9	647	38.0
Southern (Districts VII & VIII)	20	2.0	23	2.6	155	14.1	224	21.1	431	40.2
Coastal (District IX)	16	1.4	26	2.8	148	12.9	220	19.7	592	50.9
STATE TOTAL <sup>3</sup>	107	1.8	134	2.6	884	13.7	1,211	19.6	2,783	43.6

#### **Black Females**



Cancer Coalition Region		Melanoma of the Skin		Cervix Uteri		Colon & Rectum		Breast		Lung & Bronchus	
		Death⁴	Rate⁵	Death	Rate	Death	Rate	Death	Rate	Death	Rate
Delta (Districts I & III)		-	-	52	8.0	157	25.7	253	40.0	215	36.3
Northeast (Districts II & I'	V)	-	-	22	5.1	106	25.4	128	28.0	166	38.4
Central (Districts V & VI)		5	-	39	4.3	202	22.1	302	30.9	299	32.3
Southern (Districts VII & '	VIII)	-	-	22	4.9	72	15.8	156	36.0	144	33.5
Coastal (District IX)		-	-	10	4.8	30	17.2	62	28.6	83	46.0
STATE TO	ΓAL <sup>3</sup>	11	-	145	5.4	567	22.0	901	33.3	907	35.4

Data Source: 2016 Mississippi Cancer Registry; Accessed on 6/15/2016

<sup>&</sup>lt;sup>1</sup>Rate = Age-adjusted cancer mortality rate to the 2000 U.S. Standard Population

<sup>&</sup>lt;sup>3</sup>Region numbers may not sum to the state totals due to unknown counties

<sup>&</sup>lt;sup>4</sup> Rates/Counts are suppressed if less than 5 cases were reported in the specific category

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#### **Glossary:**

**Incidence rate** is the number of new cancer cases that have occurred during a specified time period (years 2009 to 2013) divided by the population at risk during that period. This result is then multiplied by a multiplier (100,000).

**Mortality rate** is the number of people who died due to cancer during a given period of time (years 2009 to 2013) divided by the population during the period. This result is then multiplied by a multiplier (100,000).

**Age-adjusted rates** ensure that differences in **incidence** (new cases) or **mortality** (deaths) from one year to another or between one geographic area and another are not due to differences in the age distribution of the populations being compared. Readers should not compare this data with published cancer rates that were not adjusted to the 2000 U.S. standard population.

Non-invasive cancer describes disease that has not spread outside the tissue in which it began. ii

**Invasive cancer**: Cancer that has spread beyond the layer of tissue in which it developed and is growing into surrounding, healthy tissues. iii

**Skin cancer:** Skin cancer is the *most common form of cancer in the United States*. There are three main types of skin cancer: a) Basal cell carcinoma, b) Squamous cell carcinoma, and c) Melanoma.

Basal cell and squamous cell carcinomas are highly curable, but can be disfiguring and costly. Melanoma, is more dangerous and causes the most deaths. iv The counts and rates in this snapshot correspond to melanoma.

- (i) U.S. Cancer Statistics Working Group. *United States Cancer Statistics: 2004 Incidence and Mortality.* Atlanta: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention *and* National Cancer Institute; 2007.
- (ii) National Cancer Institute (NCI); Dictionary of Cancer Terms.
- (iii) National Cancer Institute (NCI); Dictionary of Cancer Terms.
- (iv) Centers for Disease Control and Prevention (CDC); What is Skin Cancer? 2014

Data Source: 2016 Mississippi Cancer Registry; Accessed on 6/15/2016