



MISSISSIPPI STATE DEPARTMENT OF HEALTH

2015 REGIONAL CANCER SNAPSHOT: AGE-ADJUSTED CANCER RATES IN MISSISSIPPI BY CANCER COALITION REGION

All Cancer Incidence, Invasive Cancer Incidence, and Mortality: 2008-2012

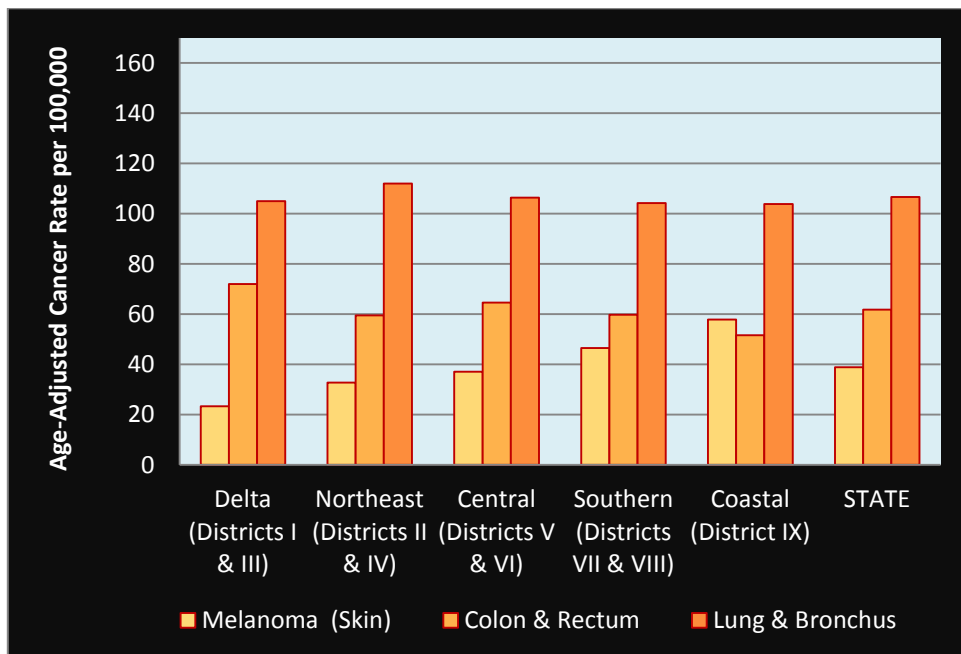
Compiled by Christianne Pinell-Jansen, MPH
Office of Health Data and Research
Office of Preventive Health

8/6/2015

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 2015 Mississippi Cancer Registry (MCR), on March 20, 2015. 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 (U58DP003923-03).

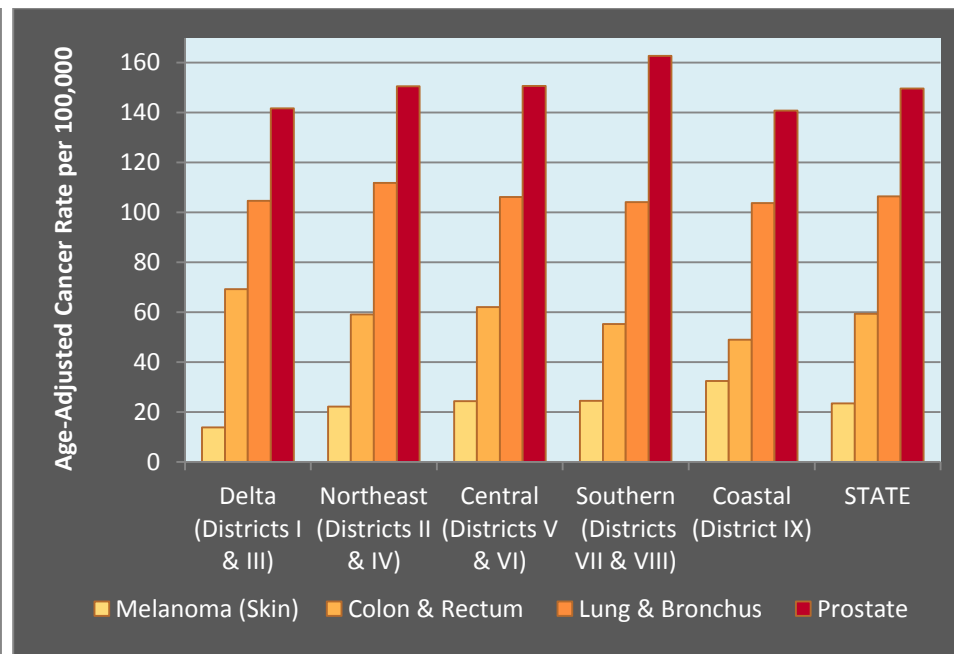
AGE-ADJUSTED CANCER INCIDENCE RATES¹ IN MISSISSIPPI BY CANCER COALITION REGION, MALES, 2008-2012

All Cancers²



Cancer Coalition Region	Melanoma (Skin)		Colon & Rectum		Lung & Bronchus	
	Total	Rate	Total	Rate	Total	Rate
Delta (Districts I & III)	270	23.4	861	72.0	1,266	104.9
Northeast (Districts II & IV)	478	32.7	88	59.5	1,656	112.0
Central (Districts V & VI)	710	37.0	1,289	64.6	2,082	106.4
Southern (Districts VII & VIII)	543	46.5	708	60.0	1,233	104.2
Coastal (District IX)	643	57.8	601	51.8	1,207	103.4
STATE TOTAL³	2,653	38.9	4,341	61.8	7,444	106.6

Invasive Cancers



Cancer Coalition Region	Melanoma (Skin)		Colon & Rectum		Lung & Bronchus		Prostate	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Delta (Districts I & III)	165	13.8	828	69.3	1,263	104.7	1,792	141.7
Northeast (Districts II & IV)	320	22.2	872	59.1	1,654	111.9	2,353	150.6
Central (Districts V & VI)	473	24.3	1,234	62.1	2,078	106.2	3,240	150.7
Southern (Districts VII & VIII)	287	24.4	658	55.3	1,232	104.2	2,028	162.7
Coastal (District IX)	360	32.5	572	49.0	1,205	103.7	1,756	140.8
STATE TOTAL³	1,612	23.5	4,166	59.4	7,432	106.5	11,176	149.7

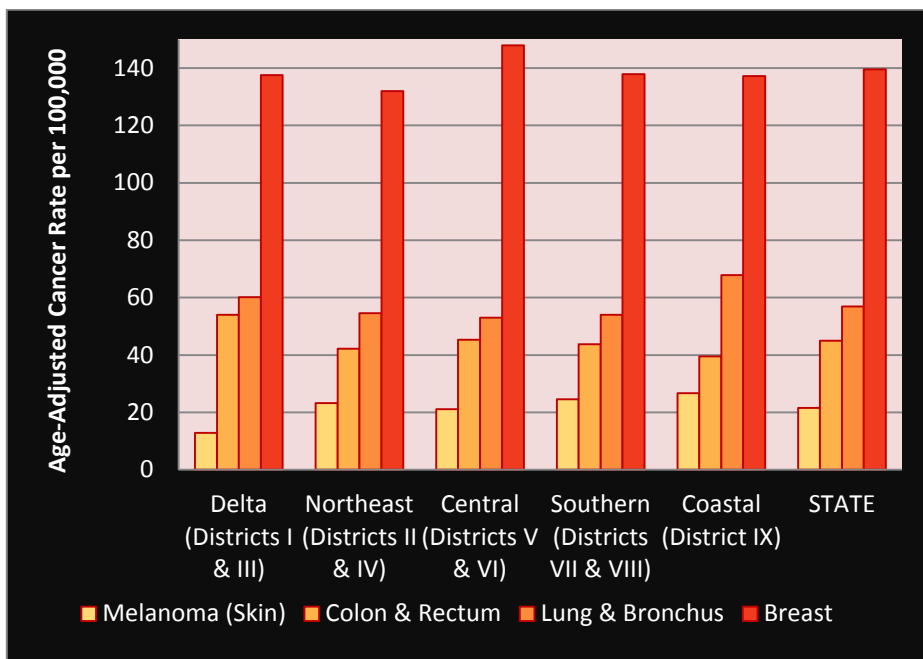
¹Rate: Age-adjusted Cancer Incidence Rate to the 2000 US Standard Population

²All cancers: Include in situ cancers

³Region numbers may not sum to the state totals due to unknown counties

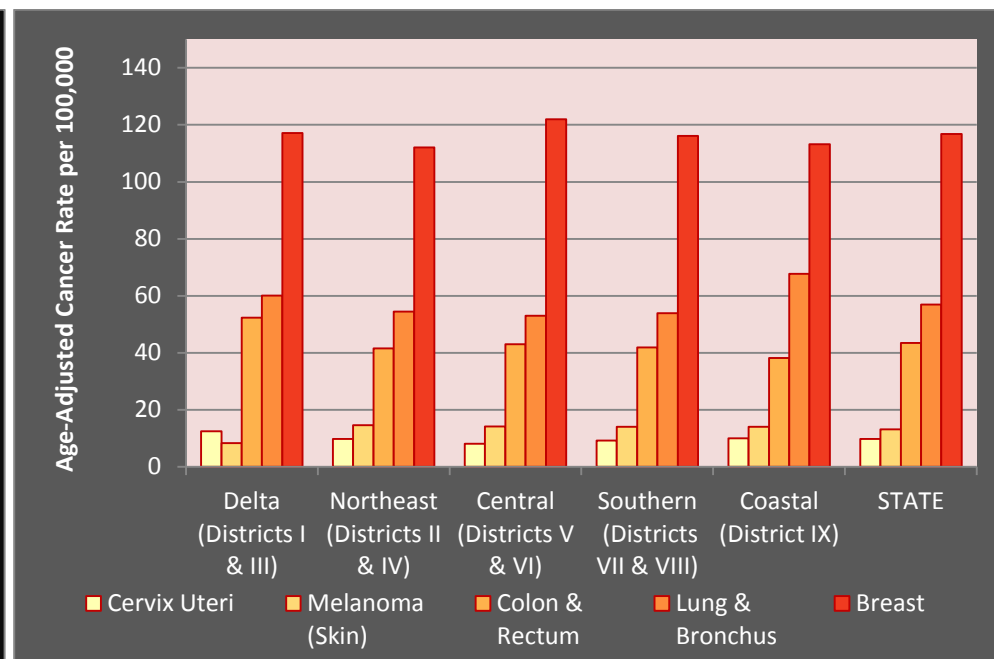
AGE-ADJUSTED CANCER INCIDENCE RATES¹ IN MISSISSIPPI BY CANCER COALITION REGION, *FEMALES*, 2008-2012

All Cancers²



Cancer Coalition Region	Melanoma (Skin)		Colon & Rectum		Lung & Bronchus		Breast	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Delta (Districts I & III)	178	12.8	836	54.1	924	60.1	2,077	137.6
Northeast (Districts II & IV)	363	23.2	793	42.2	1,034	54.6	2,350	132.0
Central (Districts V & VI)	481	21.1	1,153	45.3	1,364	53.0	3,678	147.9
Southern (Districts VII & VIII)	302	24.6	650	43.7	803	54.0	1,960	137.9
Coastal (District IX)	315	26.7	527	39.6	924	67.8	1,831	137.3
STATE TOTAL³	1,641	21.5	3,959	45.0	5,051	57.0	11,902	139.6

Invasive Cancers



Cancer Coalition Region	Cervix Uteri		Melanoma (Skin)		Colon & Rectum		Lung & Bronchus		Breast	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Delta (Districts I & III)	176	12.7	120	8.3	809	52.4	924	60.1	1,764	117.1
Northeast (Districts II & IV)	155	9.9	248	14.5	782	41.6	1,033	54.5	1,994	112.0
Central (Districts V & VI)	188	8.3	339	14.2	1,094	43.0	1,363	53.0	3,029	121.9
Southern (Districts VII & VIII)	112	9.1	192	14.1	623	41.9	802	53.9	1,650	116.1
Coastal (District IX)	118	10.0	180	14.1	508	38.2	923	67.7	1,504	113.2
STATE TOTAL³	749	9.8	1,079	13.2	3,816	43.4	5,047	56.9	9,946	116.8

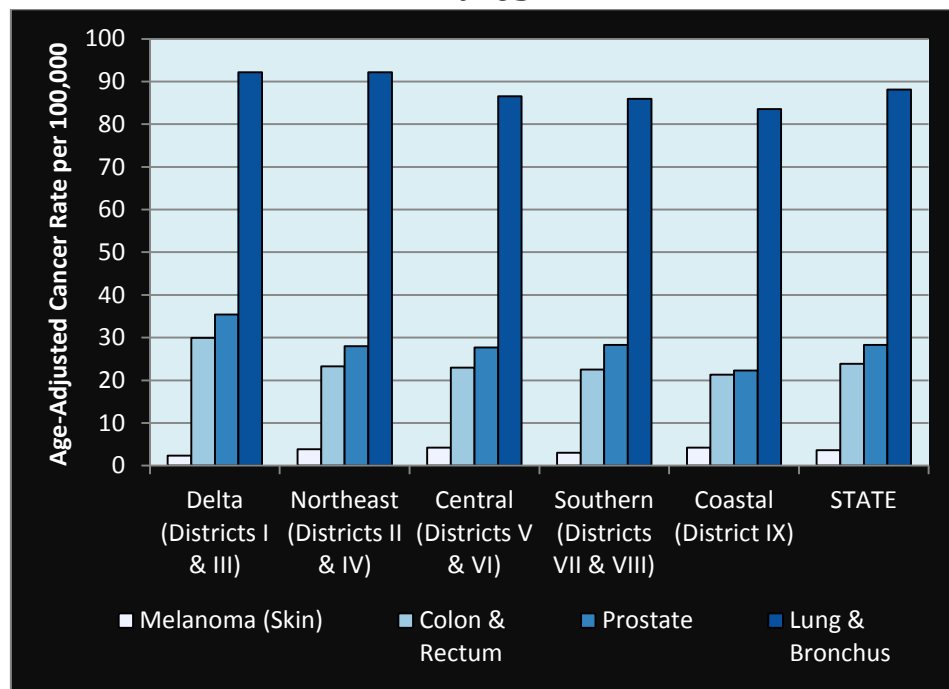
¹Rate: Age-adjusted Cancer Incidence Rate to the 2000 US Standard Population

²All cancers: Include in situ cancers

³Region numbers may not sum to the state totals due to unknown counties

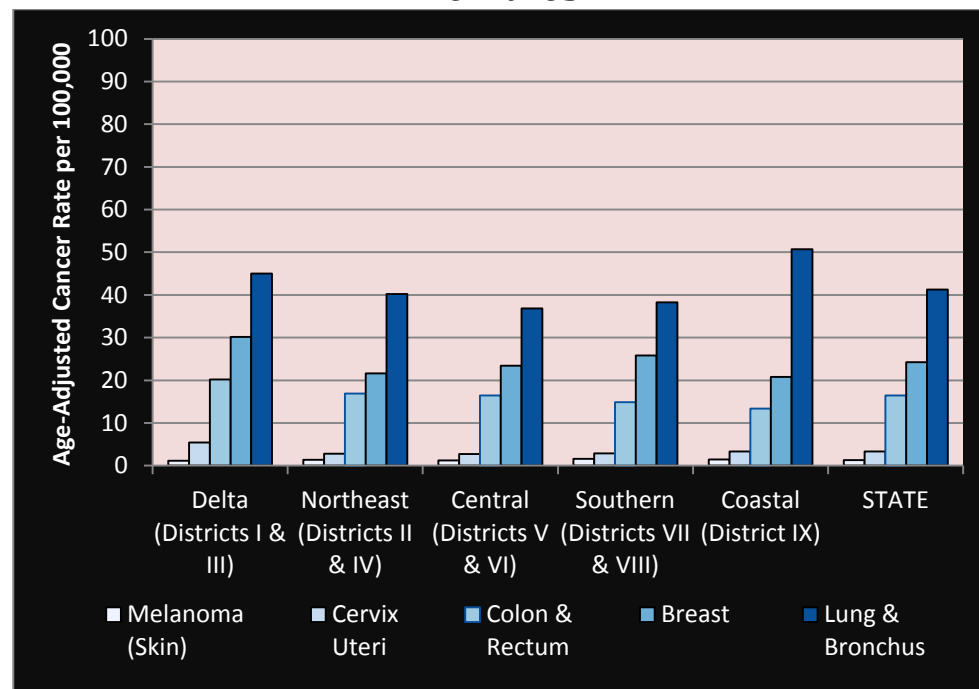
AGE-ADJUSTED CANCER MORTALITY RATES¹ IN MISSISSIPPI BY CANCER COALITION REGION, 2008-2012

Males



Cancer Coalition Region	Melanoma (Skin)		Colon & Rectum		Prostate		Lung & Bronchus	
	Death	Rate	Death	Rate	Death	Rate	Death	Rate
Delta (Districts I & III)	27	2.4	334	30.0	342	35.4	1,078	92.2
Northeast (Districts II & IV)	56	3.9	335	23.3	340	28.0	1,337	92.2
Central (Districts V & VI)	76	4.2	437	23.0	457	27.7	1,644	86.5
Southern (Districts VII & VIII)	32	3.1	258	22.5	279	28.3	996	85.9
Coastal (District IX)	45	4.2	236	21.3	201	22.3	945	83.6
STATE TOTAL³	236	3.6	1,600	23.9	1,619	28.3	6,000	88.2

Females



Cancer Coalition Region	Melanoma (Skin)		Cervix Uteri		Colon & Rectum		Breast		Lung & Bronchus	
	Death	Rate	Death	Rate	Death	Rate	Death	Rate	Death	Rate
Delta (Districts I & III)	17	1.2	82	5.5	315	20.2	459	30.2	698	45.0
Northeast (Districts II & IV)	27	1.4	47	2.8	327	16.9	404	21.6	776	40.2
Central (Districts V & VI)	31	1.2	67	2.8	431	16.5	597	23.4	955	36.8
Southern (Districts VII & VIII)	23	1.6	39	2.9	228	14.8	379	25.8	575	38.2
Coastal (District IX)	19	1.4	40	3.3	177	13.4	279	20.8	684	50.7
STATE TOTAL³	117	1.3	275	3.4	1,478	16.5	2,118	24.3	3,688	41.3

¹Rate = Age-adjusted Cancer Mortality Rate to the 2000 US Standard Population

³Region numbers may not sum to the state totals due to unknown counties

Glossary:

Incidence rate is the number of new cancer cases that have occurred during a specified time period (years 2008 to 2012) 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 2008 to 2012) 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.ⁱ 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

- (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.